

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
 Data File : BG061162.D  
 Acq On : 10 May 2024 14:12  
 Operator : MA/JU  
 Sample : P2444-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-DD

Quant Time: May 10 14:50:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 05:11:25 2024  
 Response via : Initial Calibration

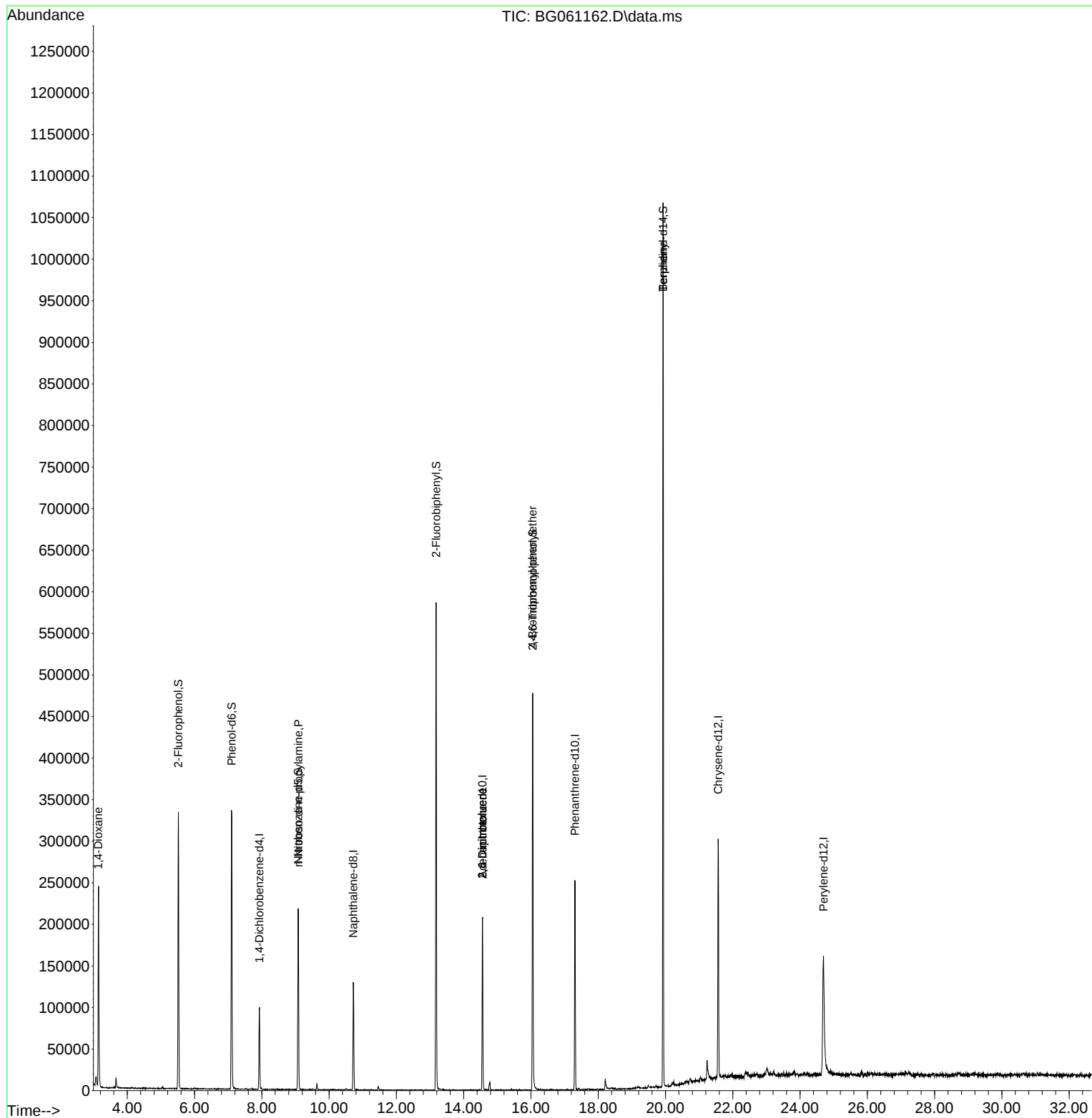
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.928  | 152  | 24456    | 20.000    | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.719 | 136  | 101016   | 20.000    | ng    | #-0.04   |
| 39) Acenaphthene-d10          | 14.556 | 164  | 77904    | 20.000    | ng    | -0.03    |
| 64) Phenanthrene-d10          | 17.306 | 188  | 173939   | 20.000    | ng    | -0.03    |
| 76) Chrysene-d12              | 21.565 | 240  | 179766   | 20.000    | ng    | -0.03    |
| 86) Perylene-d12              | 24.697 | 264  | 211770   | 20.000    | ng    | -0.03    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.520  | 112  | 115539   | 96.081    | ng    | -0.03    |
| 7) Phenol-d6                  | 7.100  | 99   | 154507   | 86.855    | ng    | -0.03    |
| 23) Nitrobenzene-d5           | 9.080  | 82   | 114424   | 56.152    | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol      | 16.054 | 330  | 112929   | 72.522    | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.181 | 172  | 302369   | 57.393    | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.926 | 244  | 568838   | 52.627    | ng    | -0.03    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.140  | 88   | 1727     | 3.552     | ng    | # 1      |
| 9) Benzaldehyde               | 7.112  | 77   | 211      | Below Cal |       | # 3      |
| 19) n-Nitroso-di-n-propyla... | 9.086  | 70   | 17081    | 12.831    | ng    | # 60     |
| 51) 2,6-Dinitrotoluene        | 14.556 | 165  | 9431     | 7.328     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.556 | 165  | 9431     | 4.953     | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.048 | 248  | 7262     | 3.544     | ng    | # 1      |
| 77) Benzydine                 | 19.926 | 184  | 8930     | 5.254     | ng    | # 88     |
| -----                         |        |      |          |           |       |          |

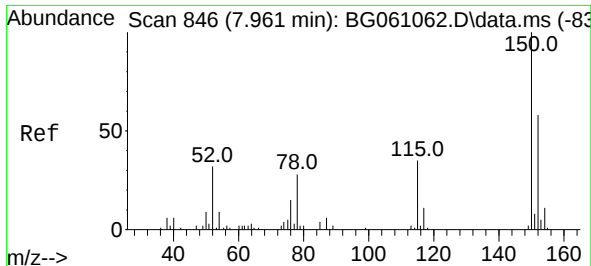
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
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Instrument :  
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WC-DD

Quant Time: May 10 14:50:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 05:11:25 2024  
Response via : Initial Calibration

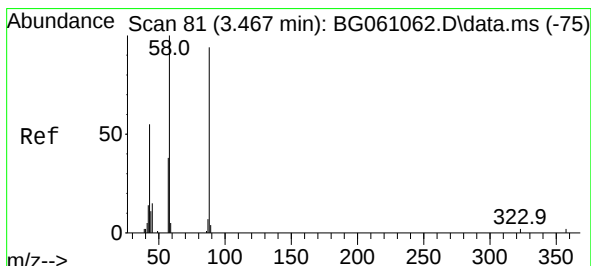
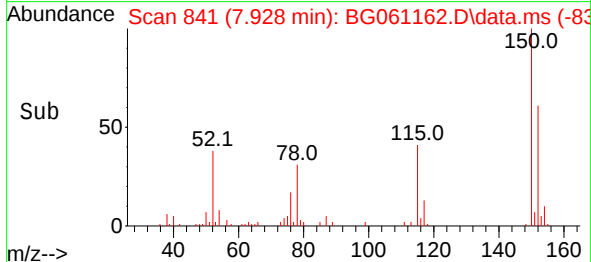
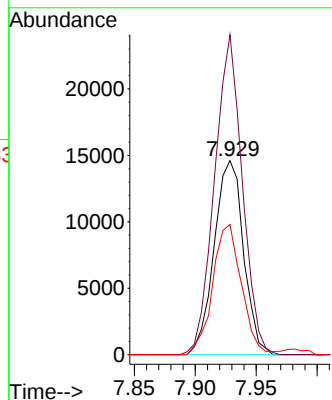
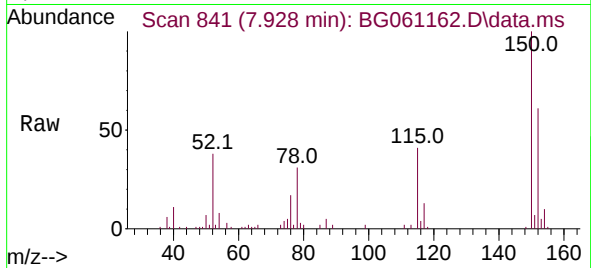




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.928 min Scan# 84  
Delta R.T. -0.033 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

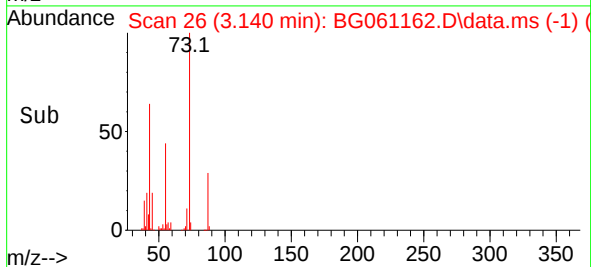
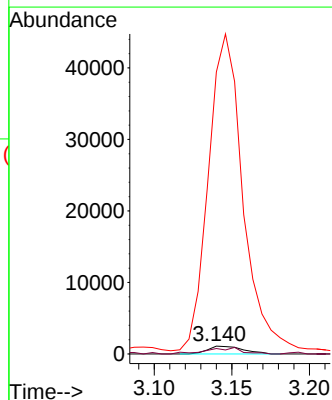
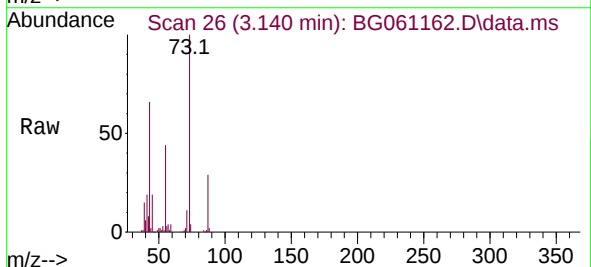
Instrument :  
BNA\_G  
ClientSampleId :  
WC-DD

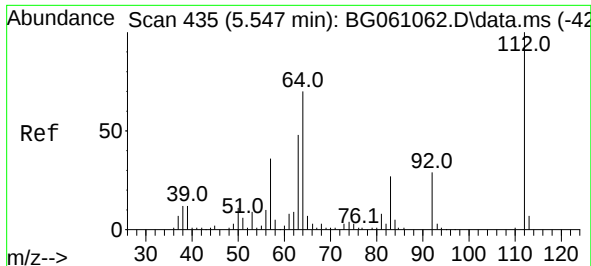
Tgt Ion:152 Resp: 24456  
Ion Ratio Lower Upper  
152 100  
150 164.8 138.3 207.5  
115 67.1 48.0 72.0



#2  
1,4-Dioxane  
Concen: 3.552 ng  
RT: 3.140 min Scan# 26  
Delta R.T. -0.327 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

Tgt Ion: 88 Resp: 1727  
Ion Ratio Lower Upper  
88 100  
58 79.3 81.2 121.8#  
43 4069.5 45.0 67.4#

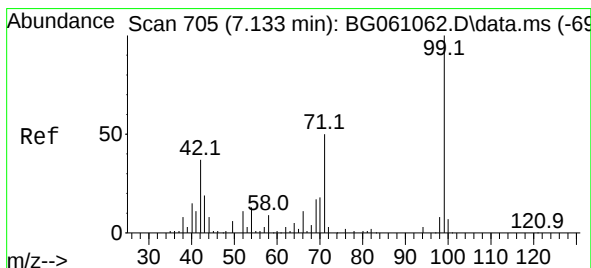
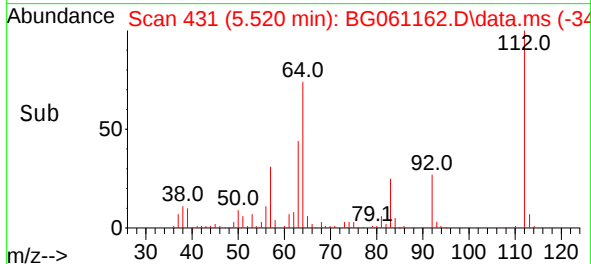
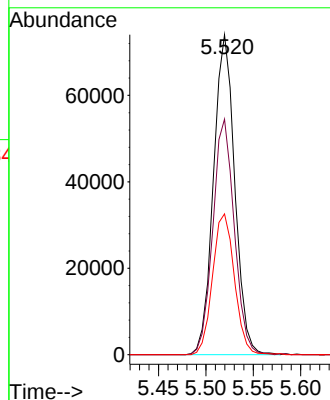
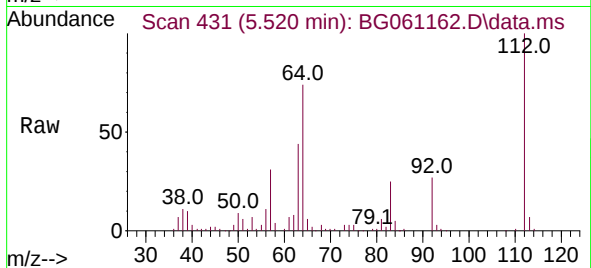




#5  
2-Fluorophenol  
Concen: 96.081 ng  
RT: 5.520 min Scan# 41  
Delta R.T. -0.027 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

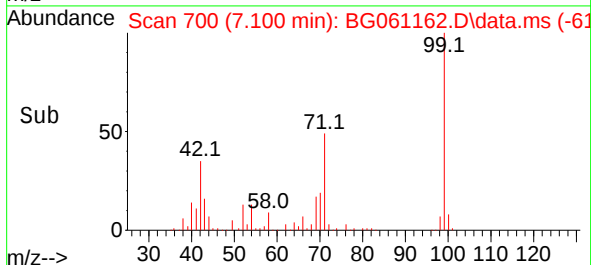
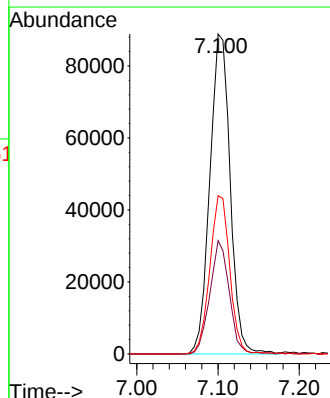
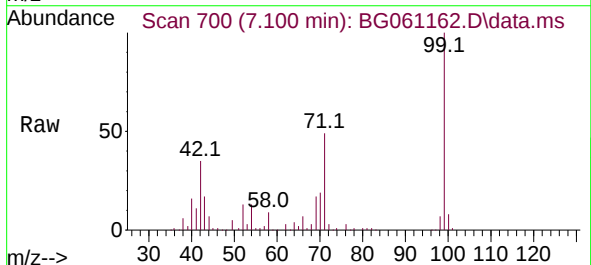
Instrument :  
BNA\_G  
ClientSampleId :  
WC-DD

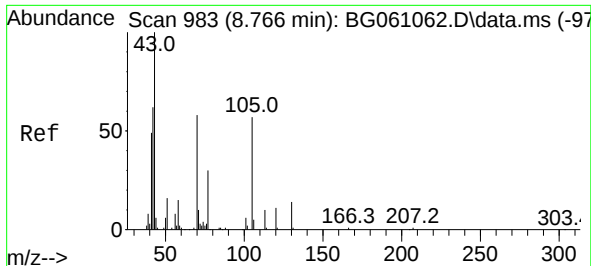
Tgt Ion:112 Resp: 115539  
Ion Ratio Lower Upper  
112 100  
64 73.6 55.7 83.5  
63 44.0 38.1 57.1



#7  
Phenol-d6  
Concen: 86.855 ng  
RT: 7.100 min Scan# 700  
Delta R.T. -0.033 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

Tgt Ion: 99 Resp: 154507  
Ion Ratio Lower Upper  
99 100  
42 35.4 29.2 43.8  
71 49.5 39.7 59.5

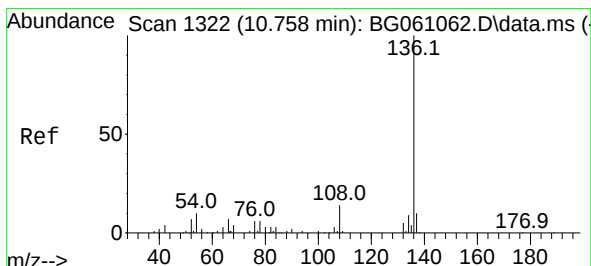
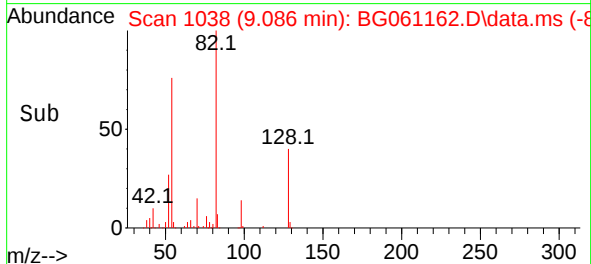
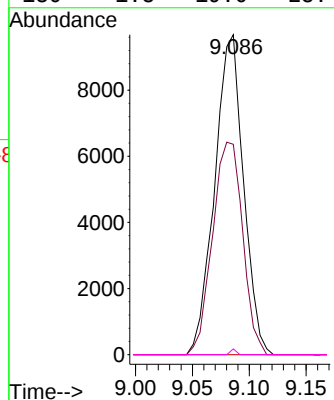
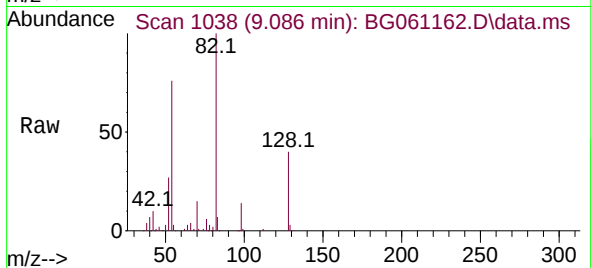




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.831 ng  
RT: 9.086 min Scan# 11  
Delta R.T. 0.320 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

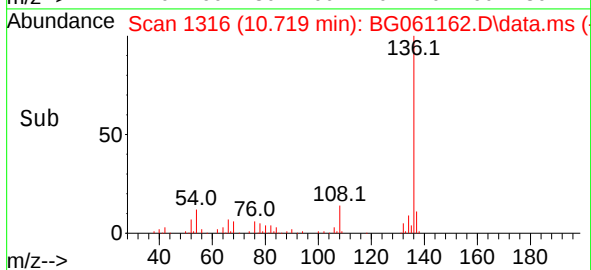
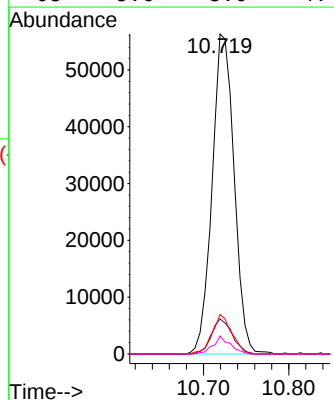
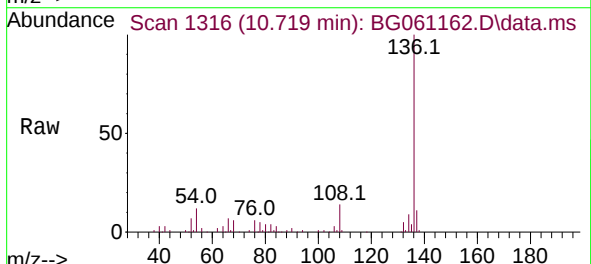
Instrument :  
BNA\_G  
ClientSampleId :  
WC-DD

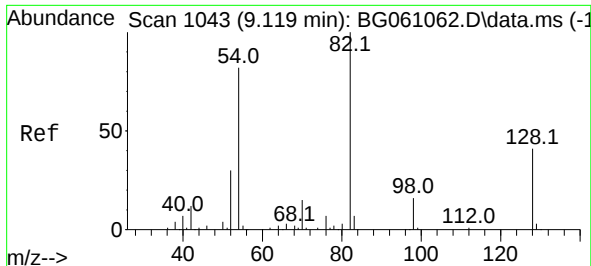
Tgt Ion: 70 Resp: 17081  
Ion Ratio Lower Upper  
70 100  
42 65.7 86.4 129.6#  
101 0.0 7.8 11.8#  
130 1.8 19.0 28.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.719 min Scan# 1316  
Delta R.T. -0.039 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

Tgt Ion:136 Resp: 101016  
Ion Ratio Lower Upper  
136 100  
137 10.9 7.8 11.6  
54 12.3 8.1 12.1#  
68 5.6 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 56.152 ng

RT: 9.080 min Scan# 1

Delta R.T. -0.039 min

Lab File: BG061162.D

Acq: 10 May 2024 14:12

Instrument :

BNA\_G

ClientSampleId :

WC-DD

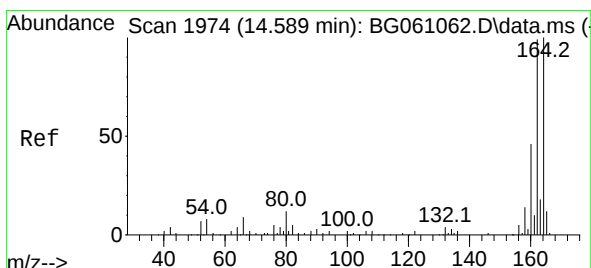
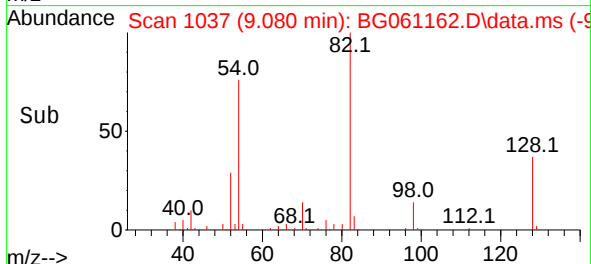
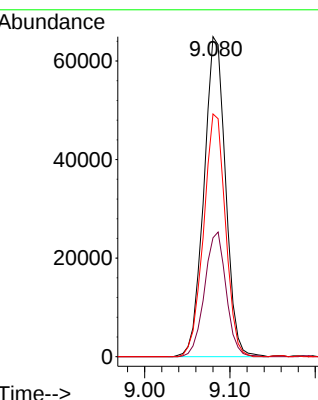
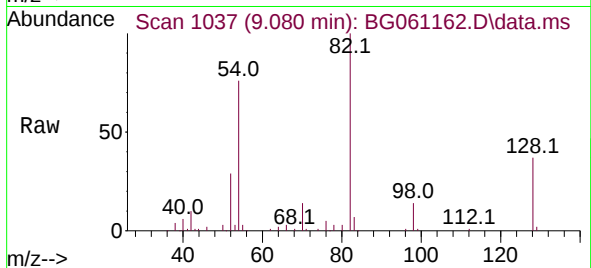
Tgt Ion: 82 Resp: 114424

Ion Ratio Lower Upper

82 100

128 37.1 32.7 49.1

54 75.9 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.033 min

Lab File: BG061162.D

Acq: 10 May 2024 14:12

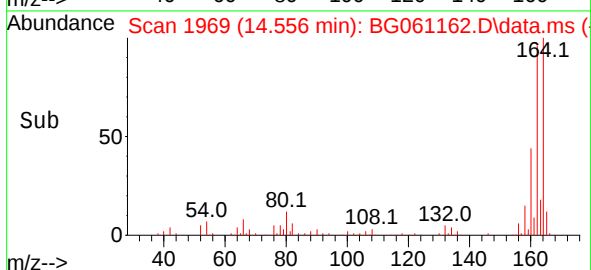
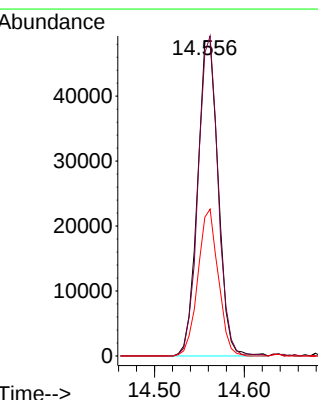
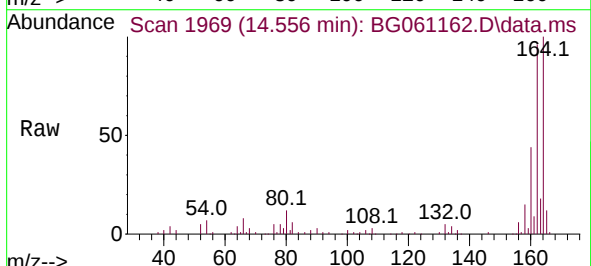
Tgt Ion:164 Resp: 77904

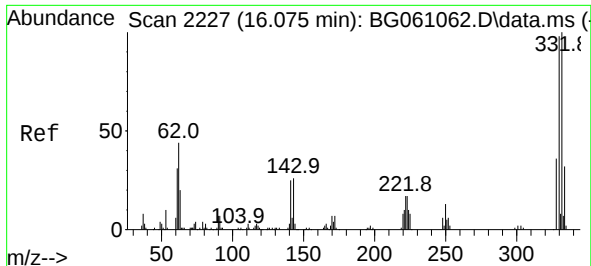
Ion Ratio Lower Upper

164 100

162 96.1 79.4 119.2

160 44.0 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 72.522 ng

RT: 16.054 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG061162.D

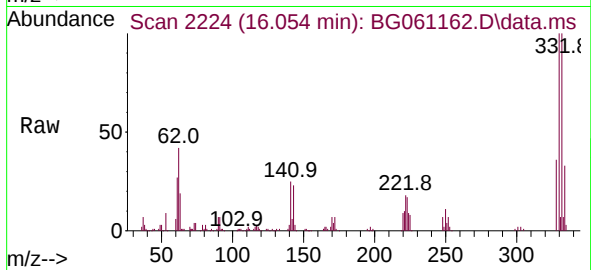
Acq: 10 May 2024 14:12

Instrument :

BNA\_G

ClientSampleId :

WC-DD



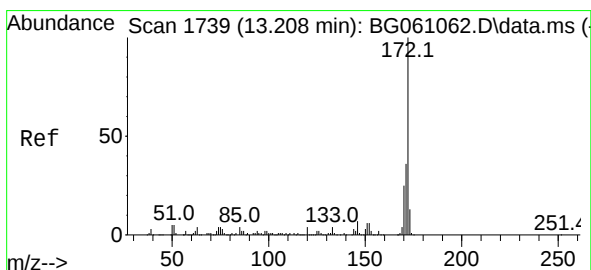
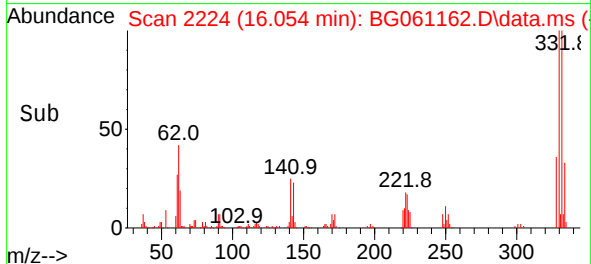
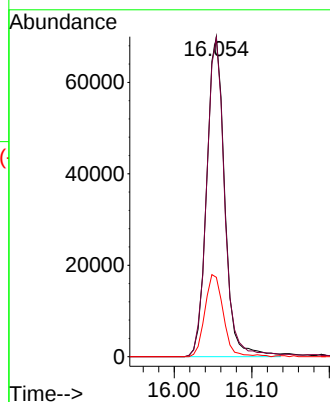
Tgt Ion:330 Resp: 112929

Ion Ratio Lower Upper

330 100

332 99.8 78.6 117.8

141 26.3 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 57.393 ng

RT: 13.181 min Scan# 1735

Delta R.T. -0.027 min

Lab File: BG061162.D

Acq: 10 May 2024 14:12

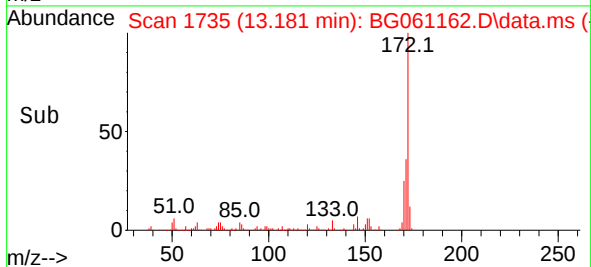
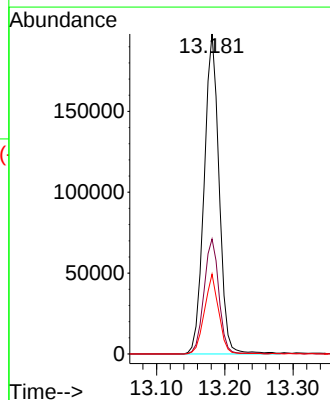
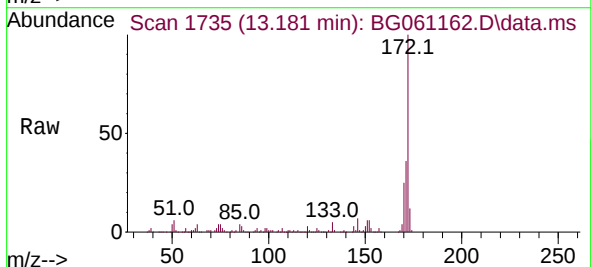
Tgt Ion:172 Resp: 302369

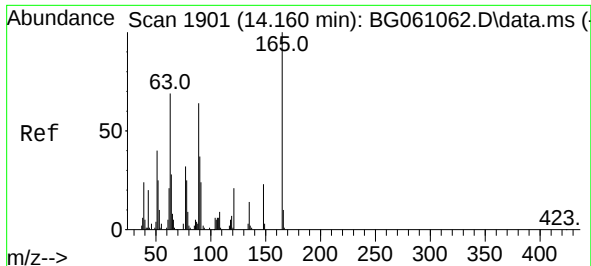
Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

170 25.0 20.2 30.4

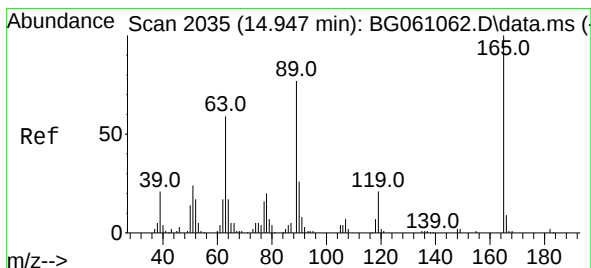
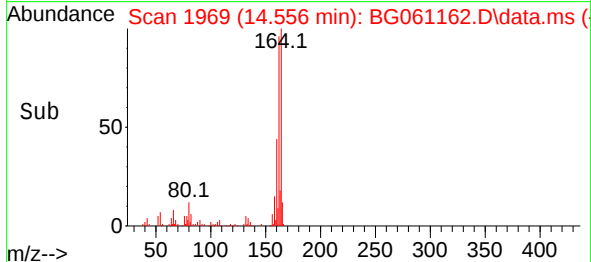
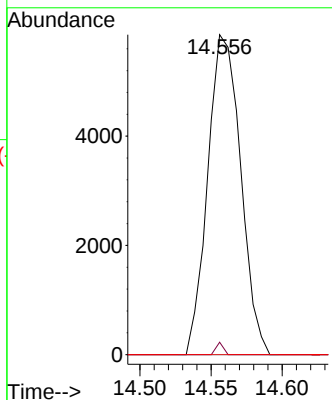
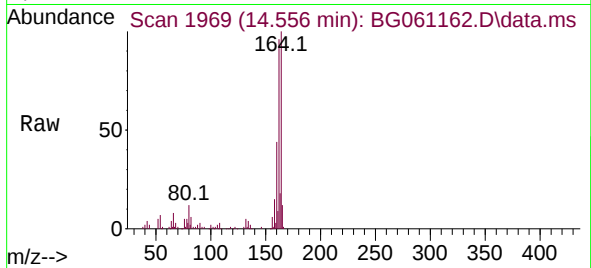




#51  
2,6-Dinitrotoluene  
Concen: 7.328 ng  
RT: 14.556 min Scan# 1969  
Delta R.T. 0.396 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

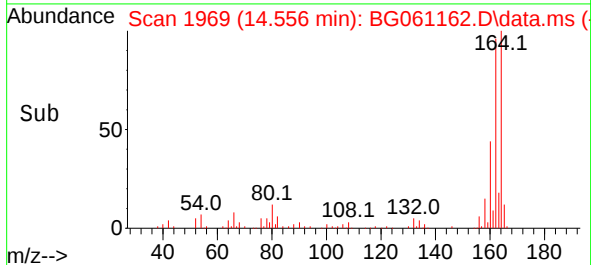
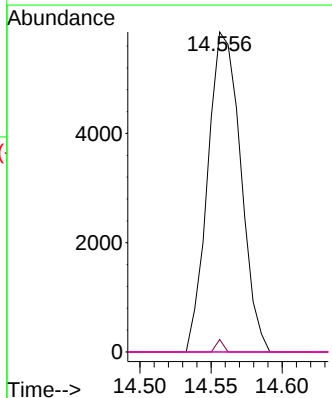
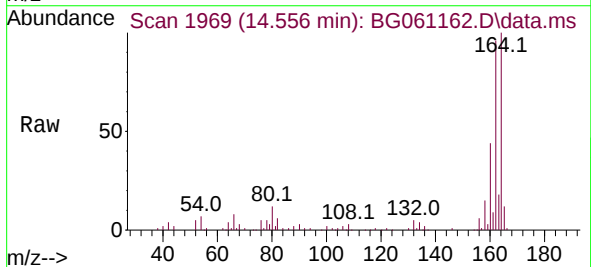
Instrument :  
BNA\_G  
ClientSampleId :  
WC-DD

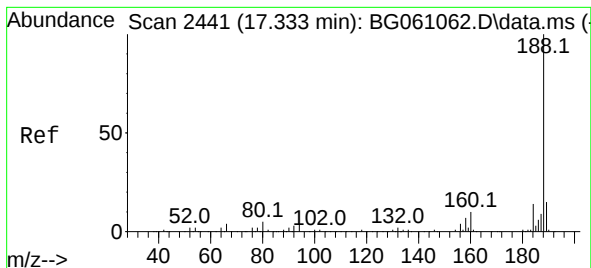
Tgt Ion:165 Resp: 9431  
Ion Ratio Lower Upper  
165 100  
63 3.9 60.0 90.0#  
89 0.0 50.9 76.3#



#57  
2,4-Dinitrotoluene  
Concen: 4.953 ng  
RT: 14.556 min Scan# 1969  
Delta R.T. -0.391 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

Tgt Ion:165 Resp: 9431  
Ion Ratio Lower Upper  
165 100  
63 3.9 47.3 70.9#  
89 0.0 61.8 92.8#  
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2441

Delta R.T. -0.027 min

Lab File: BG061162.D

Acq: 10 May 2024 14:12

Instrument :

BNA\_G

ClientSampleId :

WC-DD

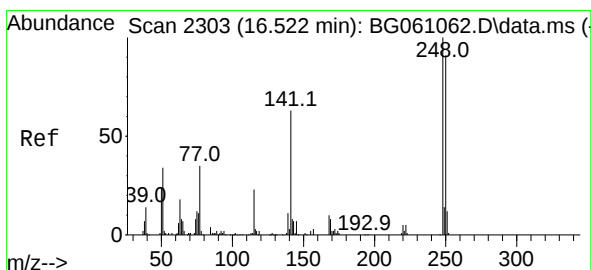
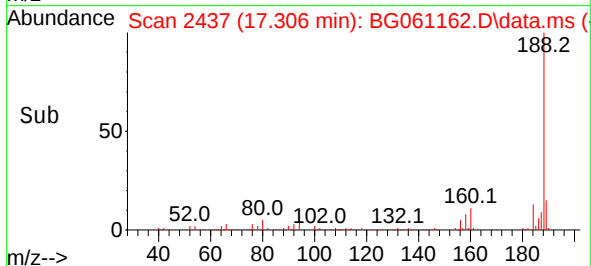
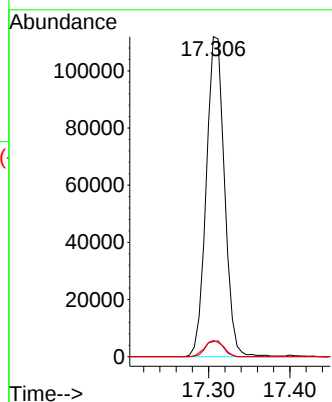
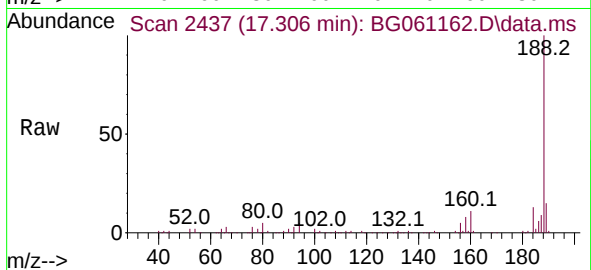
Tgt Ion:188 Resp: 173939

Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

80 5.1 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.544 ng

RT: 16.048 min Scan# 2223

Delta R.T. -0.474 min

Lab File: BG061162.D

Acq: 10 May 2024 14:12

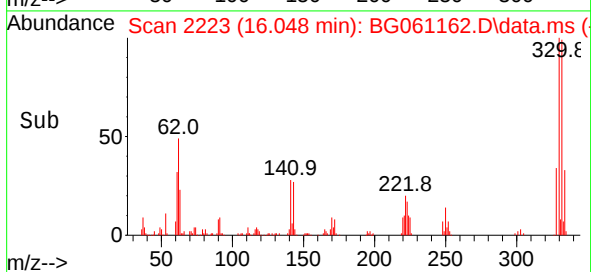
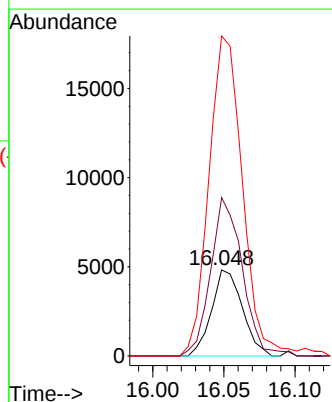
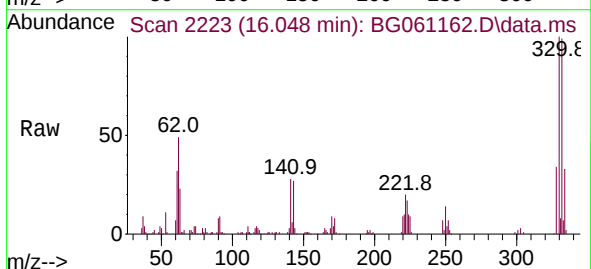
Tgt Ion:248 Resp: 7262

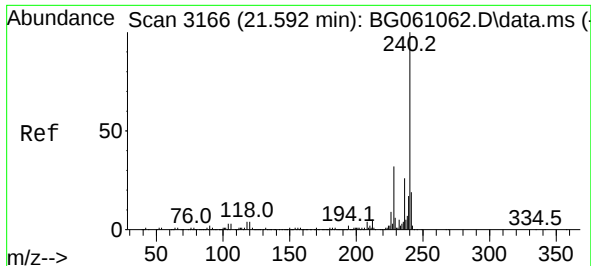
Ion Ratio Lower Upper

248 100

250 183.9 73.0 109.4#

141 371.4 50.8 76.2#

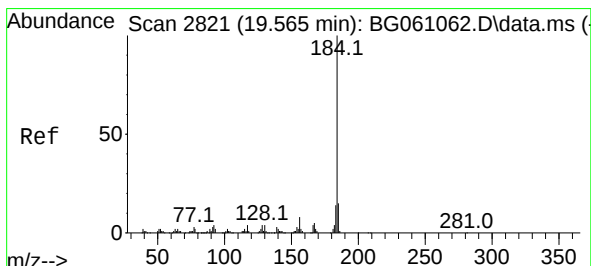
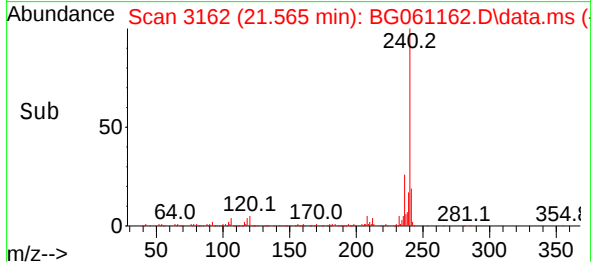
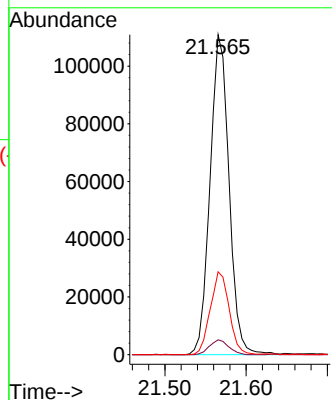
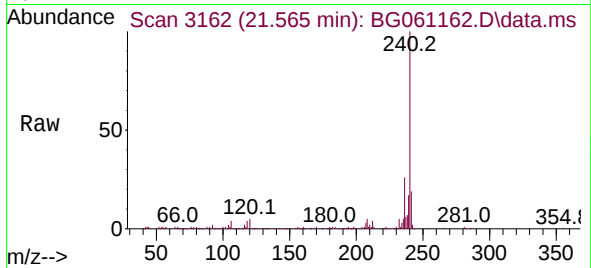




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.565 min Scan# 3166  
Delta R.T. -0.027 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

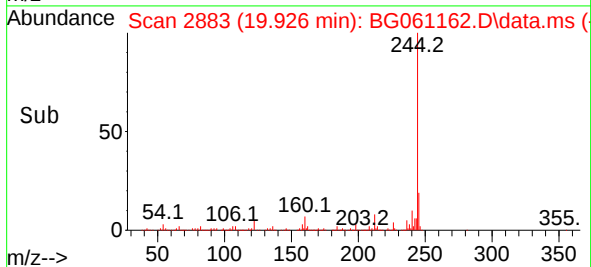
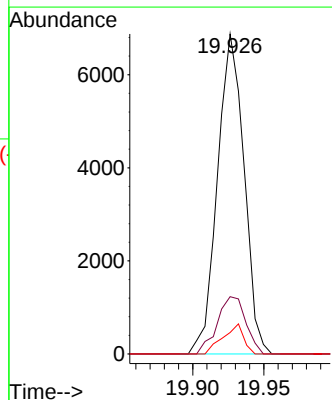
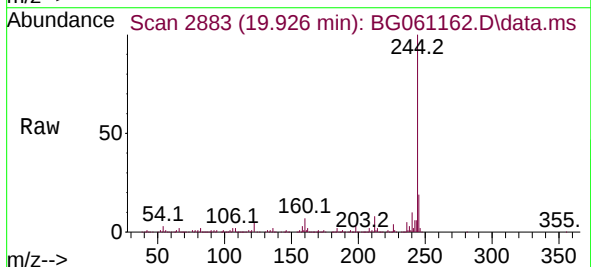
Instrument :  
BNA\_G  
ClientSampleId :  
WC-DD

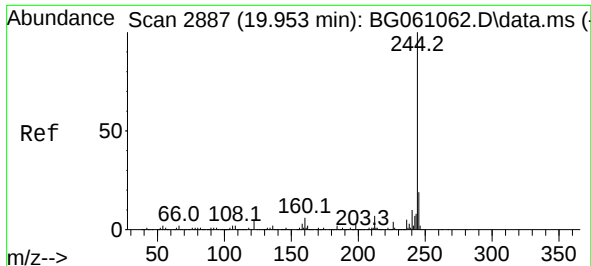
Tgt Ion:240 Resp: 179766  
Ion Ratio Lower Upper  
240 100  
120 4.7 3.2 4.8  
236 25.9 21.0 31.6



#77  
Benzidine  
Concen: 5.254 ng  
RT: 19.926 min Scan# 2883  
Delta R.T. 0.361 min  
Lab File: BG061162.D  
Acq: 10 May 2024 14:12

Tgt Ion:184 Resp: 8930  
Ion Ratio Lower Upper  
184 100  
185 17.9 12.0 18.0  
183 6.7 10.9 16.3#

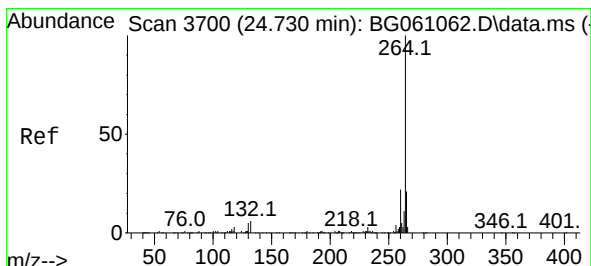
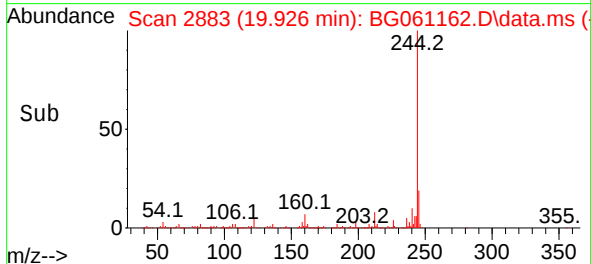
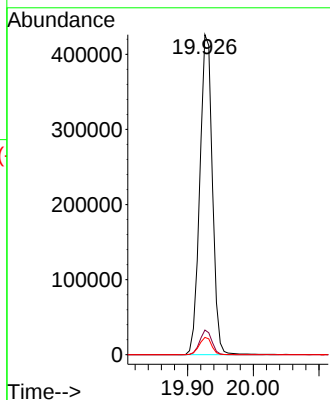
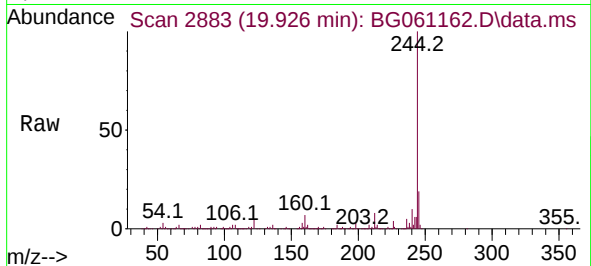




#79  
 Terphenyl-d14  
 Concen: 52.627 ng  
 RT: 19.926 min Scan# 21  
 Delta R.T. -0.027 min  
 Lab File: BG061162.D  
 Acq: 10 May 2024 14:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-DD

Tgt Ion:244 Resp: 568838  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 5.7 8.5  
 122 5.4 4.2 6.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.697 min Scan# 3695  
 Delta R.T. -0.033 min  
 Lab File: BG061162.D  
 Acq: 10 May 2024 14:12

Tgt Ion:264 Resp: 211770  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 17.7 26.5  
 265 21.3 16.4 24.6

