

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
 Data File : BG059754.D  
 Acq On : 18 Nov 2023 7:51  
 Operator : MA/JU  
 Sample : 05295-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 18 09:28:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

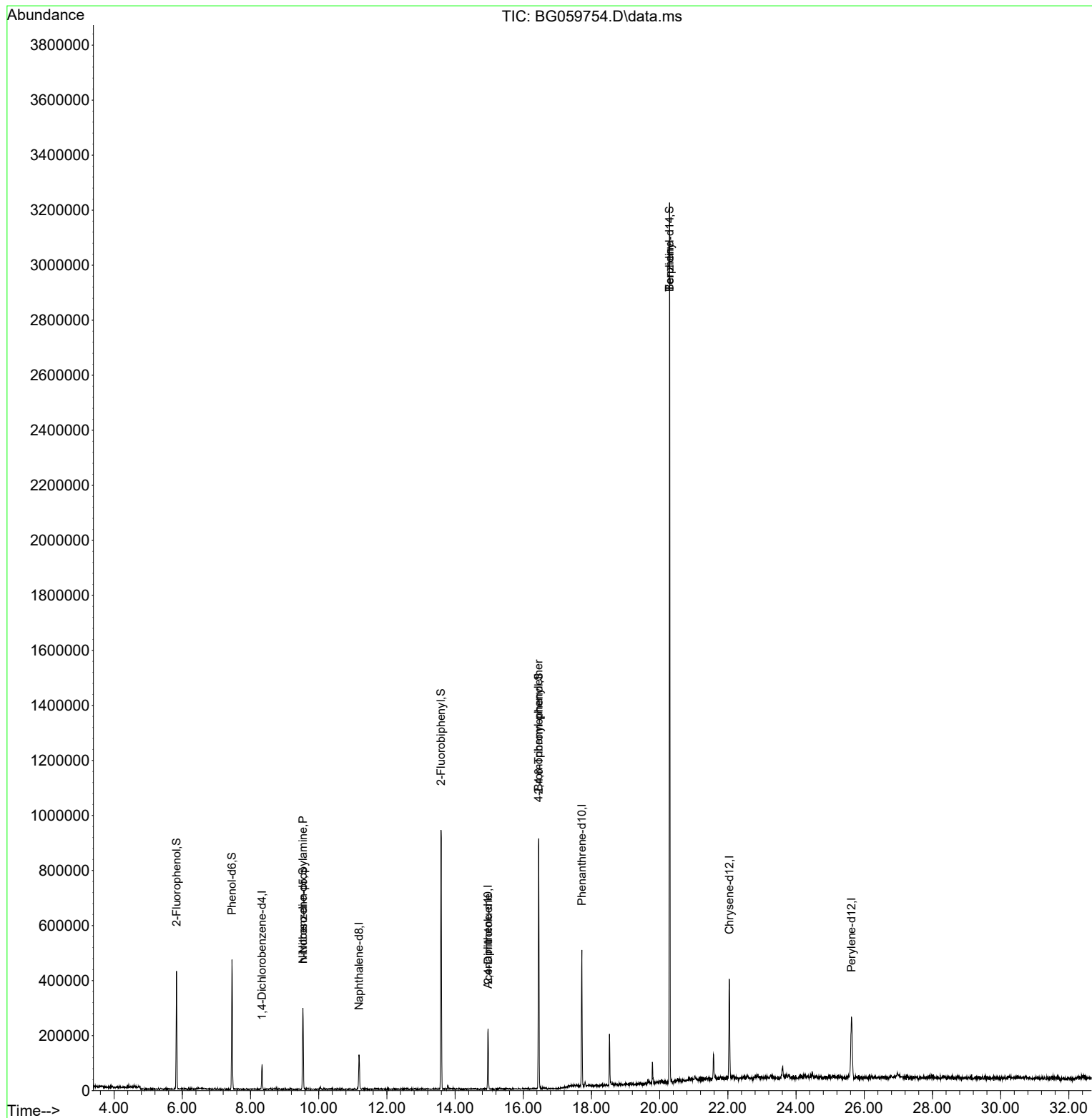
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.341  | 152  | 18530    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.184 | 136  | 87307    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.962 | 164  | 66396    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.718 | 188  | 255133   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.042 | 240  | 215827   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.626 | 264  | 255233   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.832  | 112  | 138852   | 126.124 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.459  | 99   | 198984   | 121.967 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.539  | 82   | 179970   | 78.727  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.455 | 330  | 122110   | 162.090 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.587 | 172  | 394781   | 80.034  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.291 | 244  | 1272111  | 87.012  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.539  | 70   | 30759    | 23.942  | ng    | # 83     |
| 57) 2,4-Dinitrotoluene        | 14.968 | 165  | 8142     | 5.424   | ng    | # 7      |
| 67) 4-Bromophenyl-phenylether | 16.449 | 248  | 8657     | 3.158   | ng    | # 1      |
| 77) Benzidine                 | 20.291 | 184  | 38683    | 7.904   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

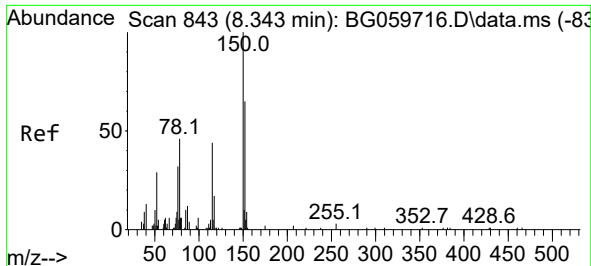
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
Data File : BG059754.D  
Acq On : 18 Nov 2023 7:51  
Operator : MA/JU  
Sample : 05295-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 18 09:28:39 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 01:51:38 2023  
Response via : Initial Calibration

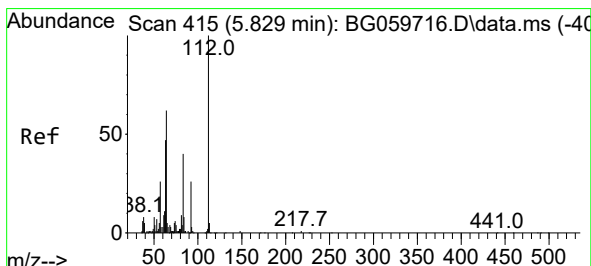
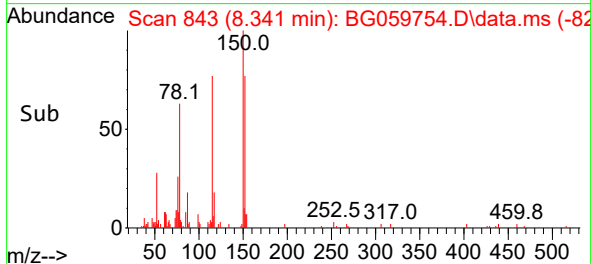
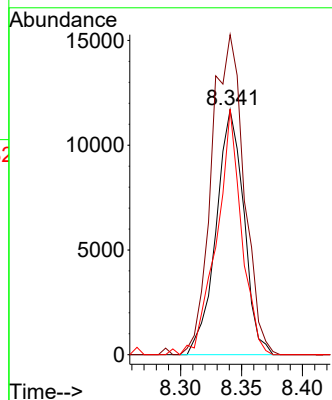
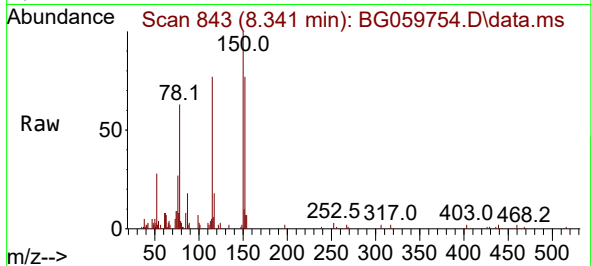




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.341 min Scan# 84  
Delta R.T. -0.002 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

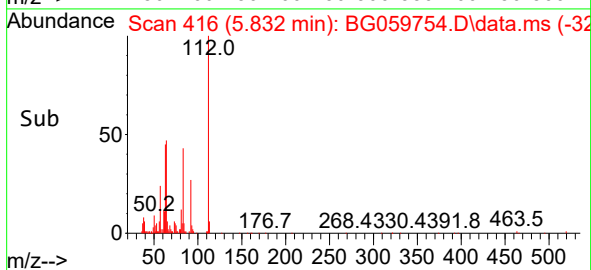
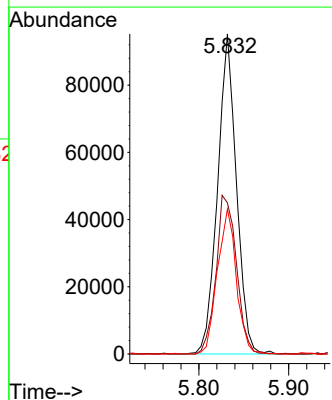
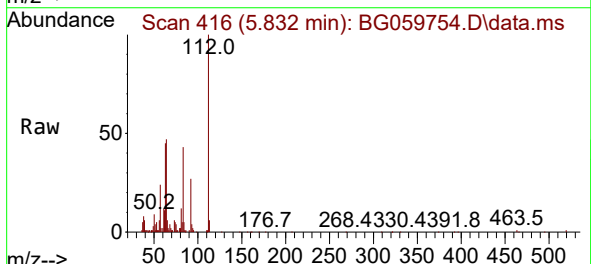
Instrument :  
BNA\_G  
ClientSampleId :

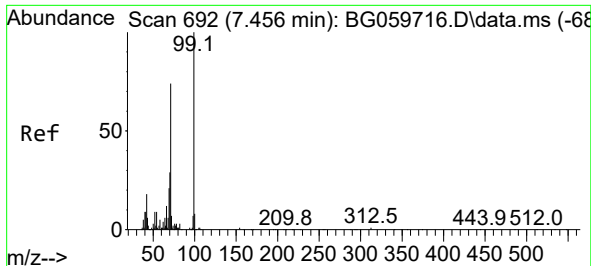
Tgt Ion:152 Resp: 18530  
Ion Ratio Lower Upper  
152 100  
150 130.6 122.2 183.4  
115 100.2 54.2 81.4#



#5  
2-Fluorophenol  
Concen: 126.124 ng  
RT: 5.832 min Scan# 416  
Delta R.T. 0.003 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion:112 Resp: 138852  
Ion Ratio Lower Upper  
112 100  
64 47.2 49.5 74.3#  
63 45.2 37.4 56.2

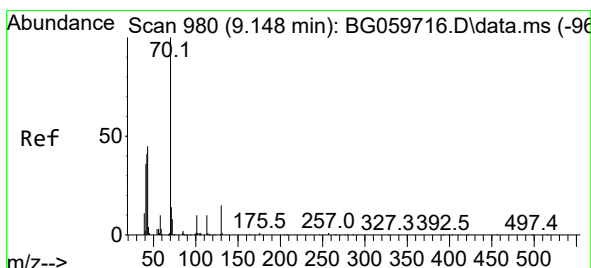
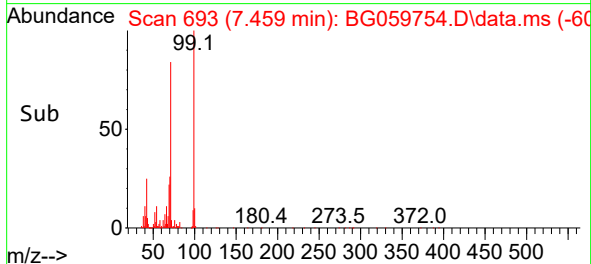
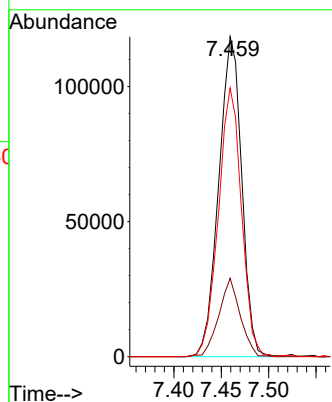
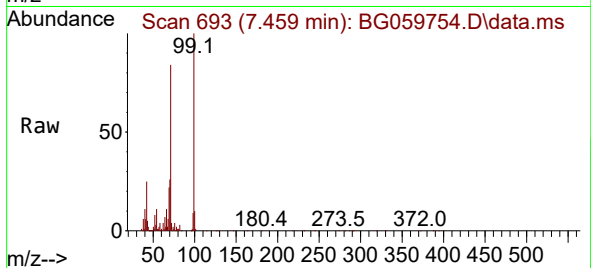




#7  
Phenol-d6  
Concen: 121.967 ng  
RT: 7.459 min Scan# 692  
Delta R.T. 0.003 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

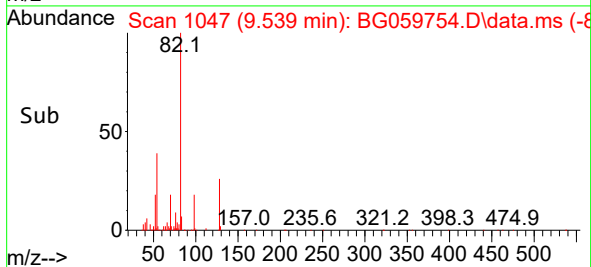
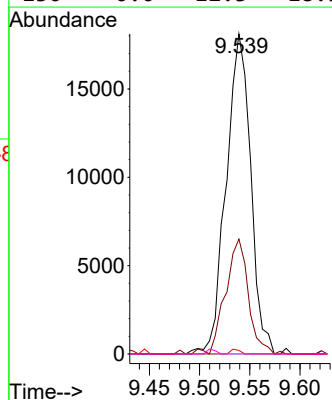
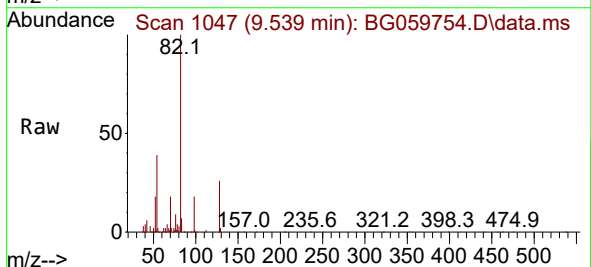
Instrument :  
BNA\_G  
ClientSampleId :

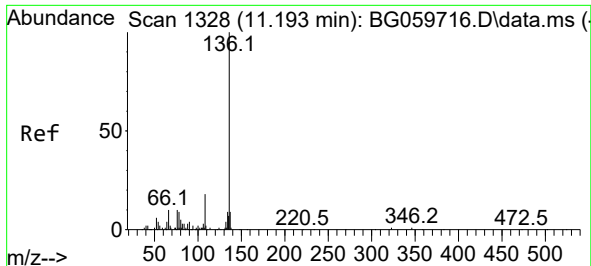
Tgt Ion: 99 Resp: 198984  
Ion Ratio Lower Upper  
99 100  
42 24.5 14.3 21.5#  
71 84.0 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 23.942 ng  
RT: 9.539 min Scan# 1047  
Delta R.T. 0.391 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion: 70 Resp: 30759  
Ion Ratio Lower Upper  
70 100  
42 35.9 32.8 49.2  
101 1.1 7.7 11.5#  
130 0.0 12.3 18.5#

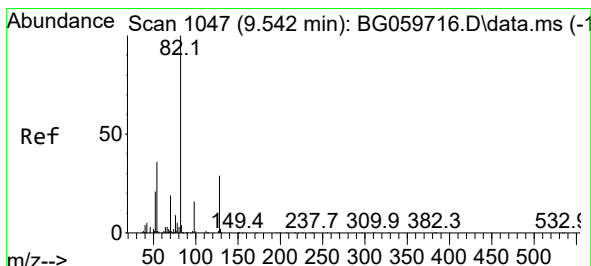
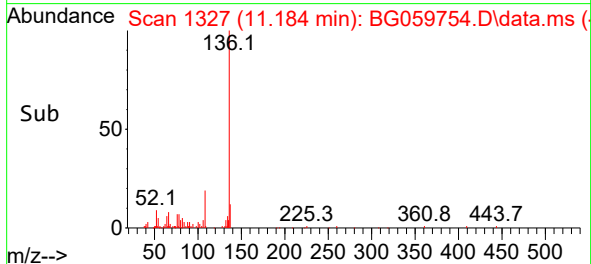
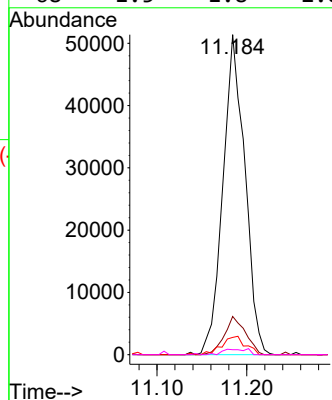
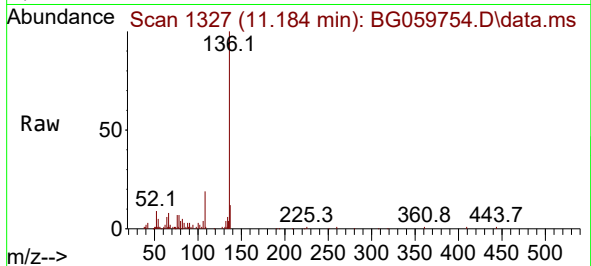




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.184 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

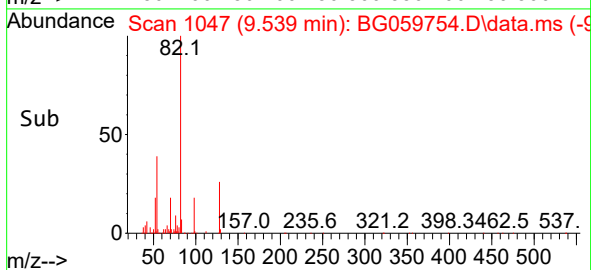
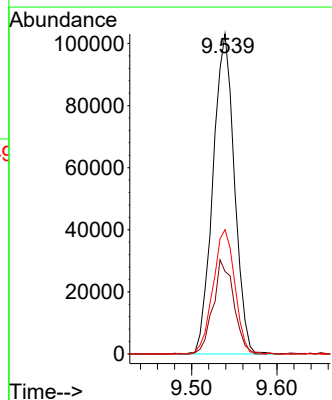
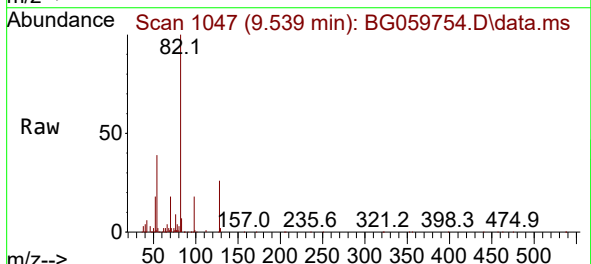
Instrument :  
BNA\_G  
ClientSampleId :

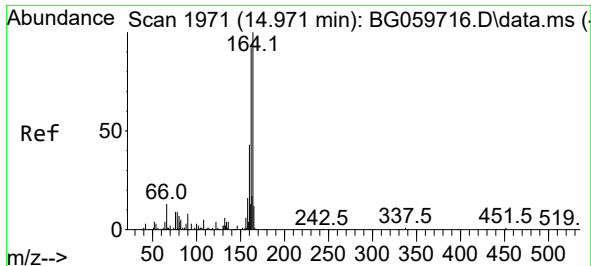
Tgt Ion:136 Resp: 87307  
Ion Ratio Lower Upper  
136 100  
137 12.0 7.4 11.0#  
54 5.4 3.1 4.7#  
68 1.5 1.8 2.8#



#23  
Nitrobenzene-d5  
Concen: 78.727 ng  
RT: 9.539 min Scan# 1047  
Delta R.T. -0.003 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion: 82 Resp: 179970  
Ion Ratio Lower Upper  
82 100  
128 25.8 23.0 34.6  
54 38.9 28.7 43.1

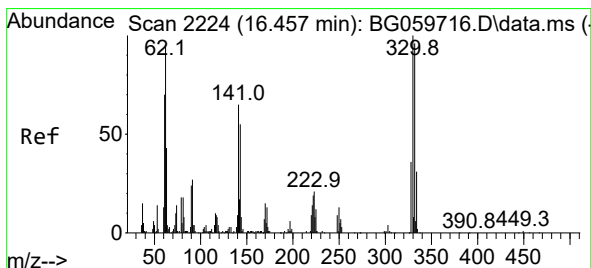
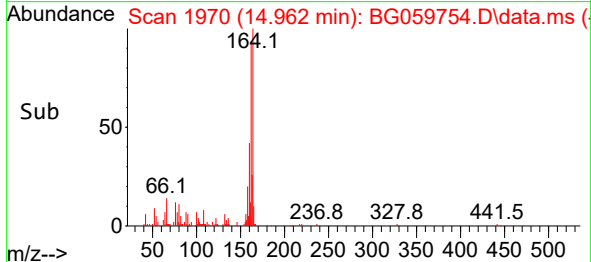
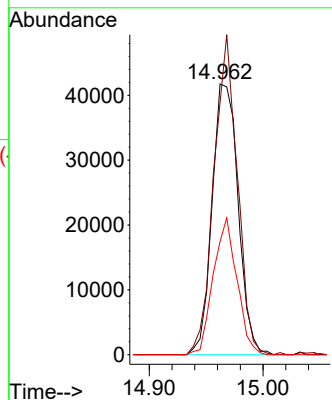
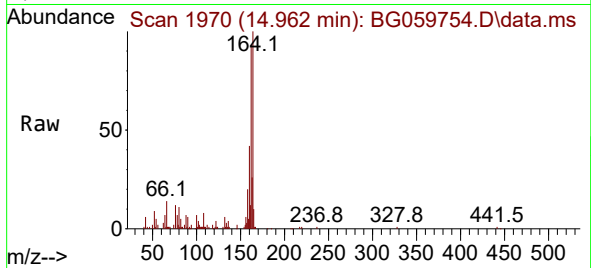




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.962 min Scan# 1970  
Delta R.T. -0.009 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

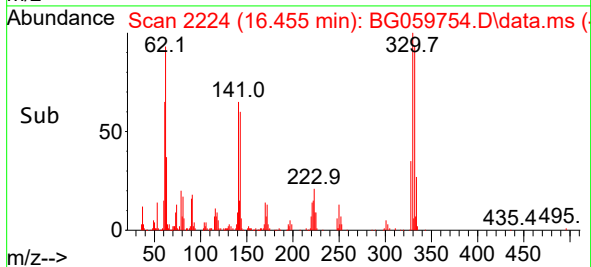
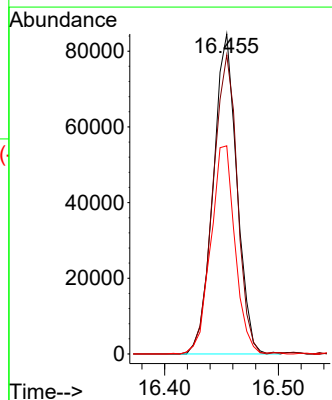
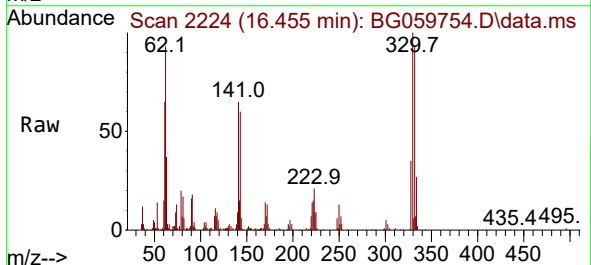
Instrument :  
BNA\_G  
ClientSampleId :

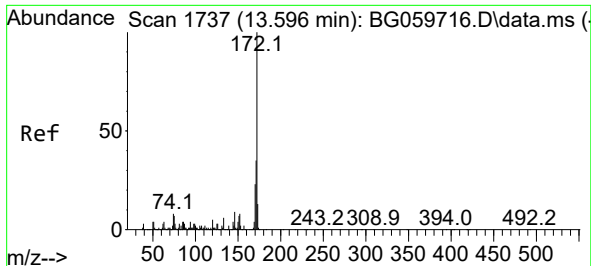
Tgt Ion:164 Resp: 66396  
Ion Ratio Lower Upper  
164 100  
162 93.0 73.3 109.9  
160 41.8 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 162.090 ng  
RT: 16.455 min Scan# 2224  
Delta R.T. -0.003 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion:330 Resp: 122110  
Ion Ratio Lower Upper  
330 100  
332 96.0 73.3 109.9  
141 66.7 52.1 78.1

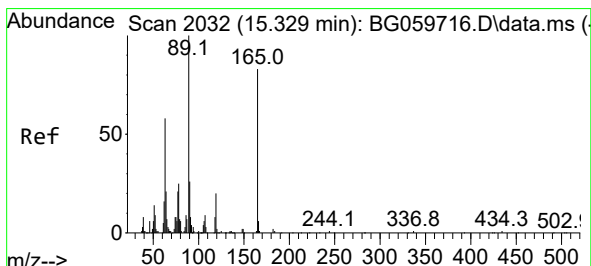
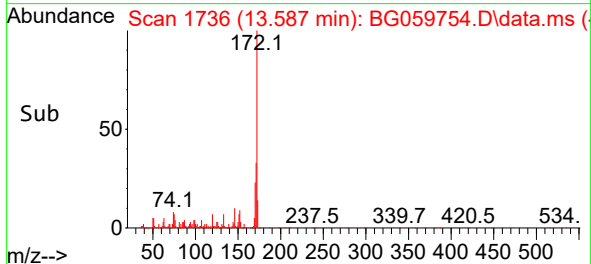
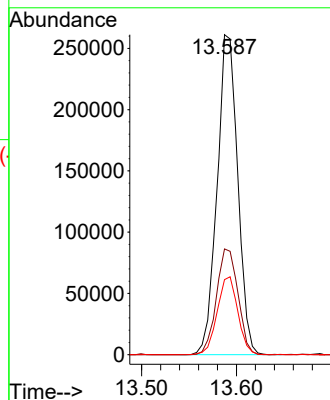
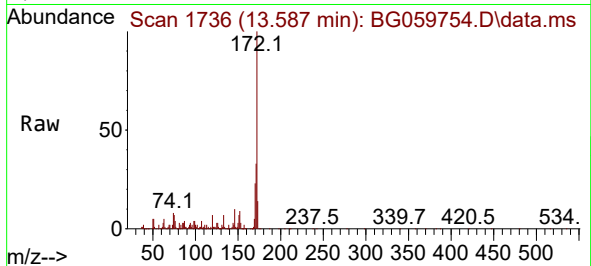




#45  
2-Fluorobiphenyl  
Concen: 80.034 ng  
RT: 13.587 min Scan# 1  
Delta R.T. -0.009 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

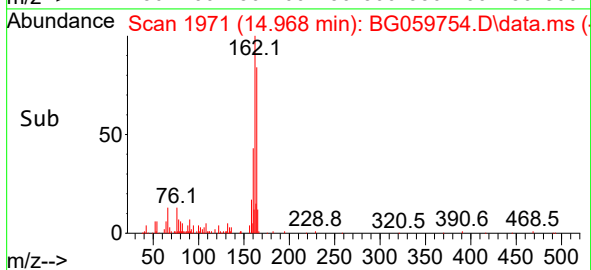
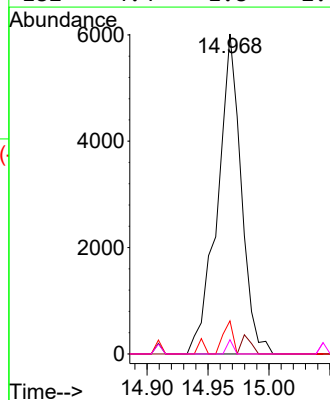
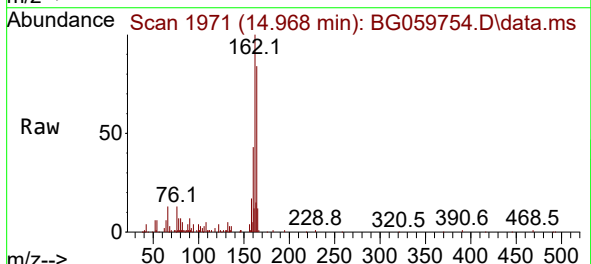
Instrument :  
BNA\_G  
ClientSampleId :

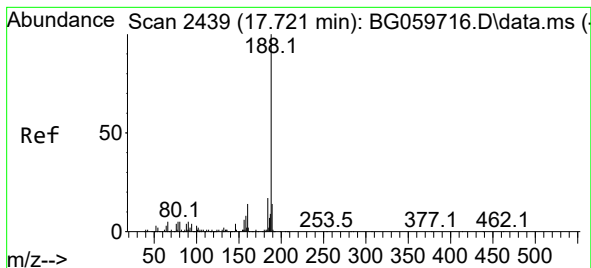
Tgt Ion:172 Resp: 394781  
Ion Ratio Lower Upper  
172 100  
171 33.0 27.7 41.5  
170 23.4 18.4 27.6



#57  
2,4-Dinitrotoluene  
Concen: 5.424 ng  
RT: 14.968 min Scan# 1971  
Delta R.T. -0.361 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion:165 Resp: 8142  
Ion Ratio Lower Upper  
165 100  
63 0.0 55.8 83.8#  
89 10.3 96.9 145.3#  
182 4.4 1.8 2.6#

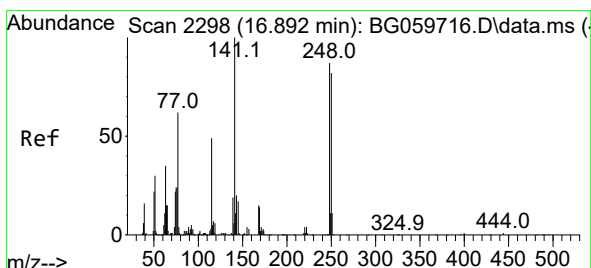
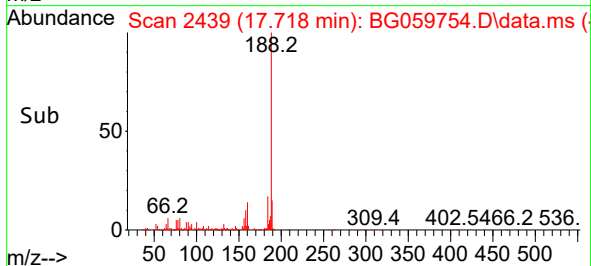
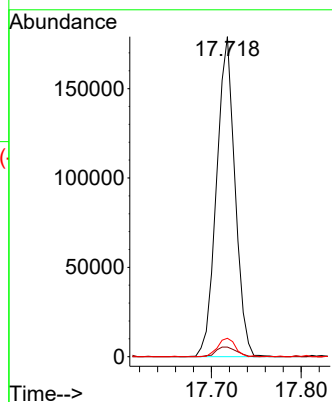
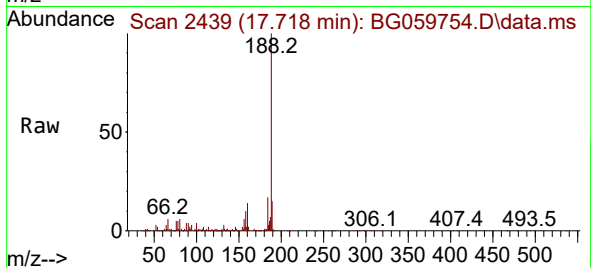




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.718 min Scan# 2439  
Delta R.T. -0.003 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

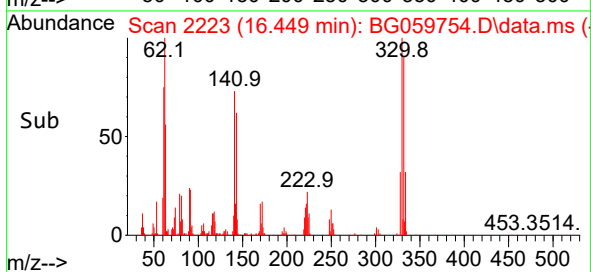
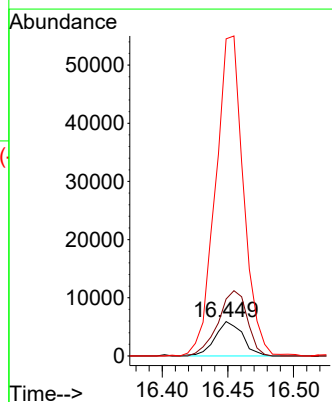
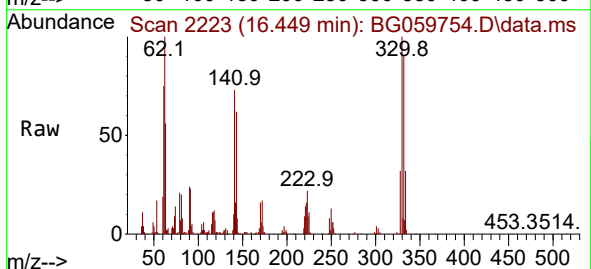
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:188 Resp: 255133  
Ion Ratio Lower Upper  
188 100  
94 3.0 3.0 4.4  
80 5.7 4.2 6.4

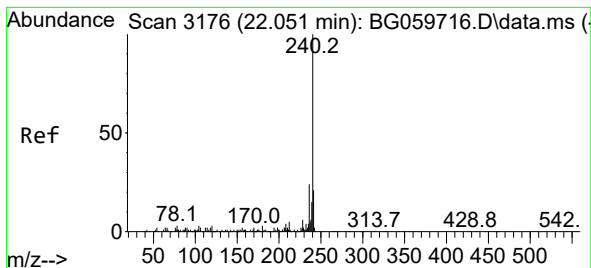


#67  
4-Bromophenyl-phenylether  
Concen: 3.158 ng  
RT: 16.449 min Scan# 2223  
Delta R.T. -0.444 min  
Lab File: BG059754.D  
Acq: 18 Nov 2023 7:51

Tgt Ion:248 Resp: 8657  
Ion Ratio Lower Upper  
248 100  
250 165.3 75.2 112.8#  
141 921.4 91.5 137.3#







#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.042 min Scan# 31

Delta R.T. -0.009 min

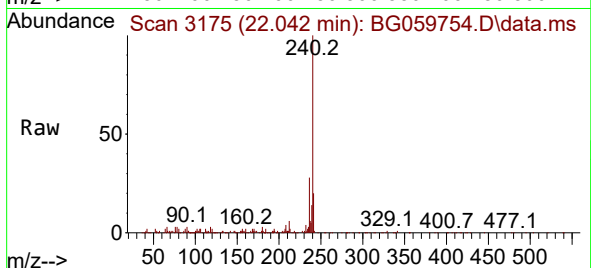
Lab File: BG059754.D

Acq: 18 Nov 2023 7:51

Instrument :

BNA\_G

ClientSampleId :



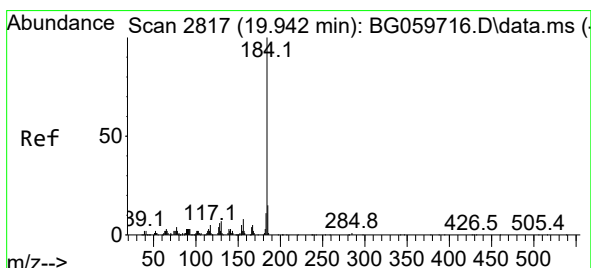
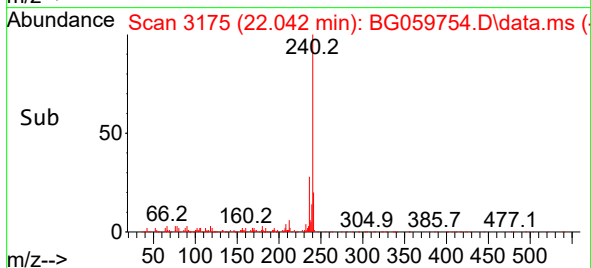
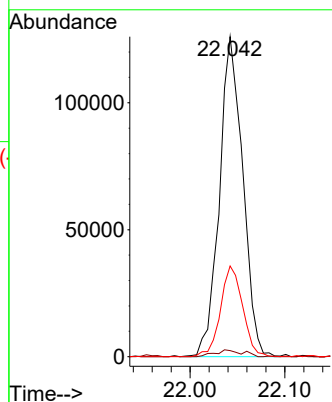
Tgt Ion:240 Resp: 215827

Ion Ratio Lower Upper

240 100

120 1.9 2.2 3.2#

236 28.4 19.4 29.2



#77

Benzidine

Concen: 7.904 ng

RT: 20.291 min Scan# 2877

Delta R.T. 0.350 min

Lab File: BG059754.D

Acq: 18 Nov 2023 7:51

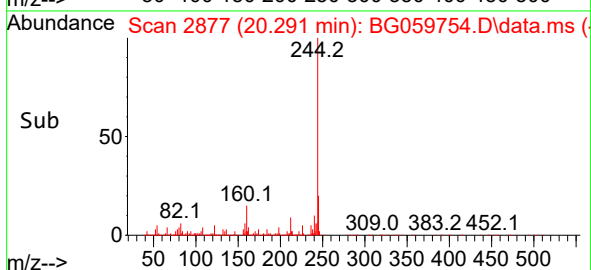
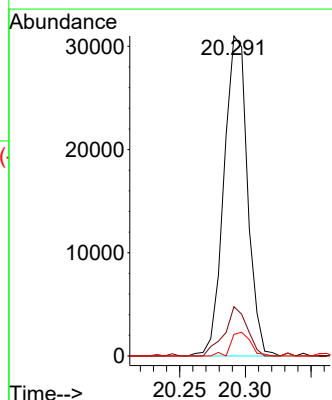
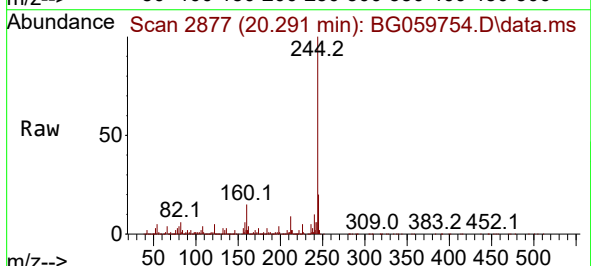
Tgt Ion:184 Resp: 38683

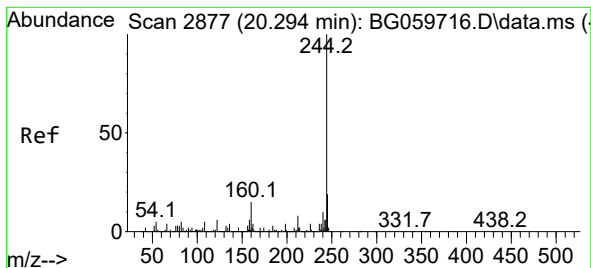
Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

183 6.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 87.012 ng

RT: 20.291 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG059754.D

Acq: 18 Nov 2023 7:51

Instrument :

BNA\_G

ClientSampleId :

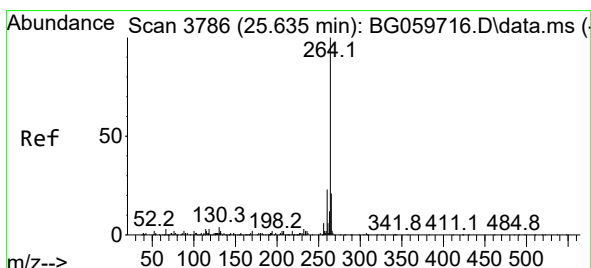
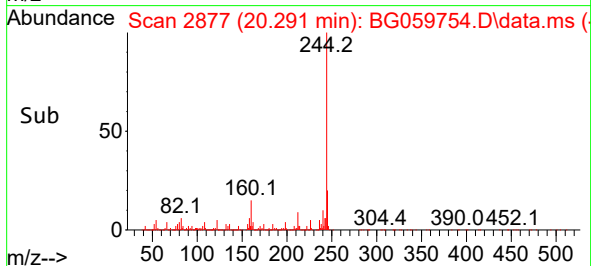
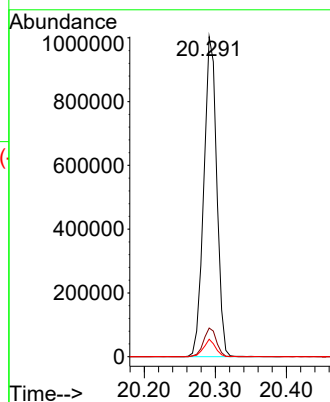
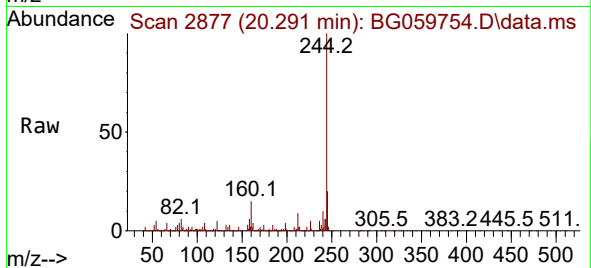
Tgt Ion:244 Resp: 1272111

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

122 5.5 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.626 min Scan# 3785

Delta R.T. -0.009 min

Lab File: BG059754.D

Acq: 18 Nov 2023 7:51

Tgt Ion:264 Resp: 255233

Ion Ratio Lower Upper

264 100

260 21.5 18.5 27.7

265 22.5 17.0 25.6

