

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042324\  
 Data File : BG061004.D  
 Acq On : 23 Apr 2024 12:12  
 Operator : MA/JU  
 Sample : PB160353BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB160353BL

Quant Time: Apr 23 13:14:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 22 04:22:00 2024  
 Response via : Initial Calibration

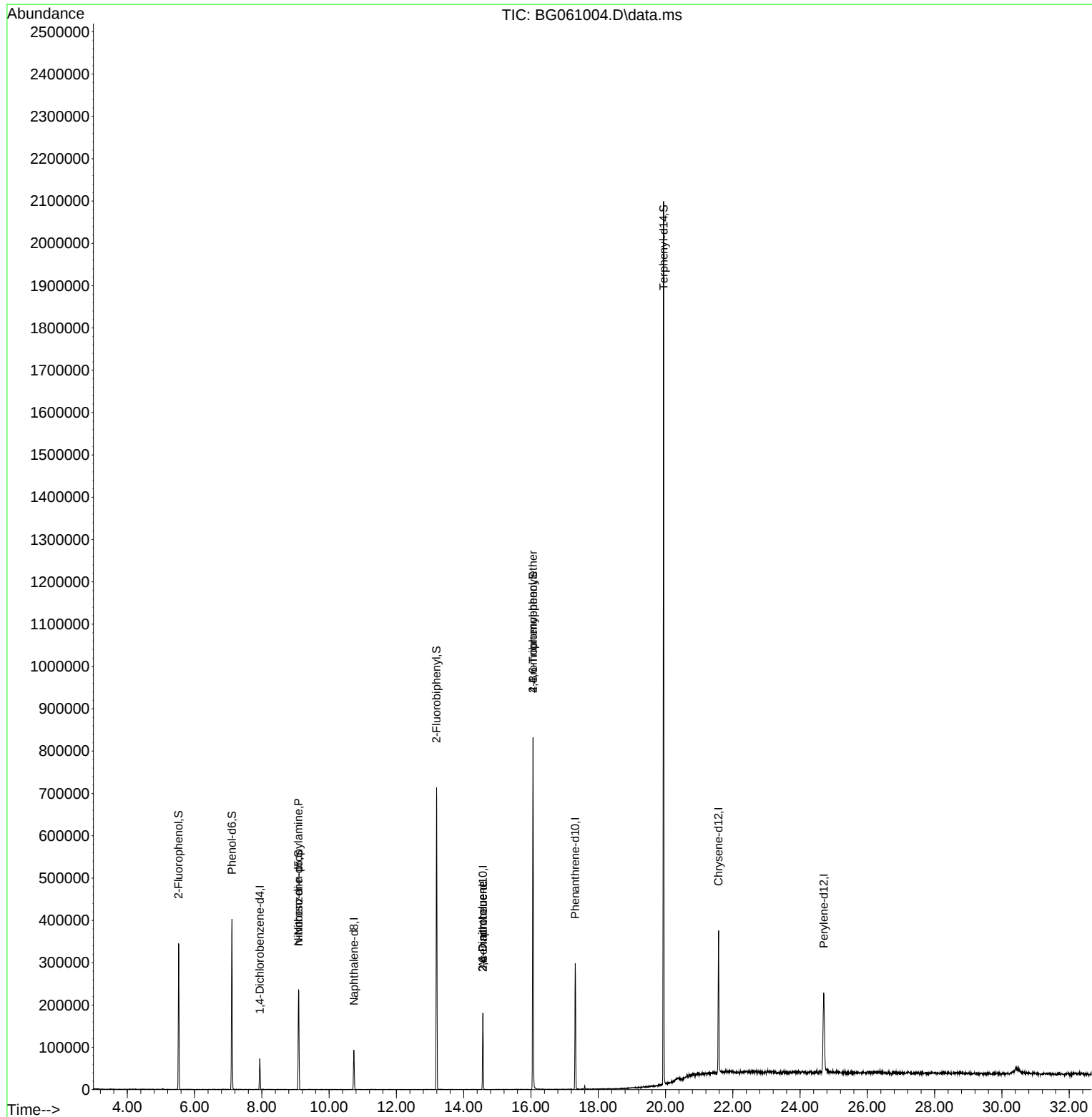
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 19339    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.737 | 136  | 72888    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.573 | 164  | 65463    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.317 | 188  | 196400   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.577 | 240  | 204593   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.703 | 264  | 234195   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.525  | 112  | 117243   | 122.629 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 175126   | 123.454 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 123237   | 75.965  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.060 | 330  | 189820   | 132.047 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.193 | 172  | 369333   | 78.084  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.944 | 244  | 1078068  | 81.792  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.092  | 70   | 18881    | 17.860  | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 14.568 | 165  | 8110     | 7.200   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.568 | 165  | 8110     | 4.999   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.060 | 248  | 11255    | 4.342   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

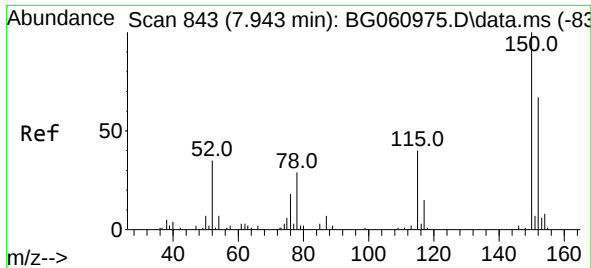
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 22 04:22:00 2024  
Response via : Initial Calibration

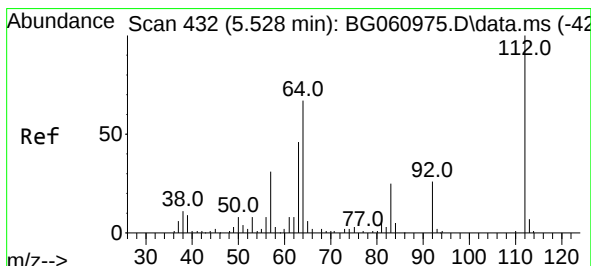
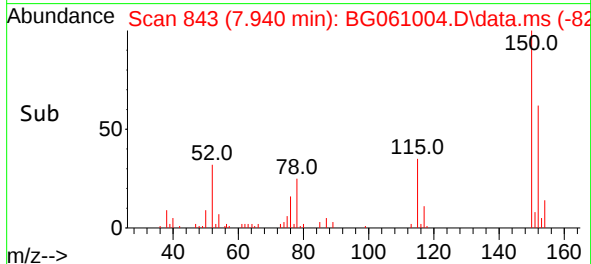
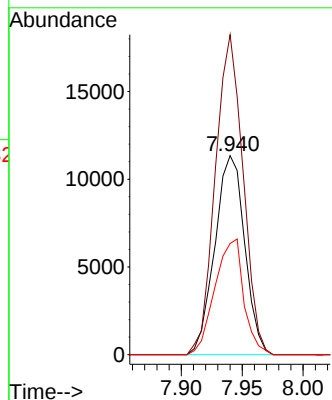
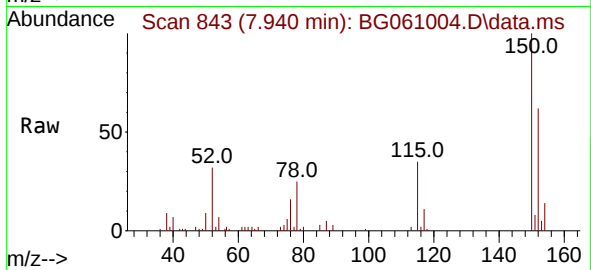




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.940 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

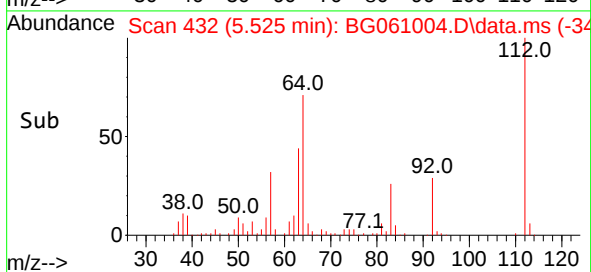
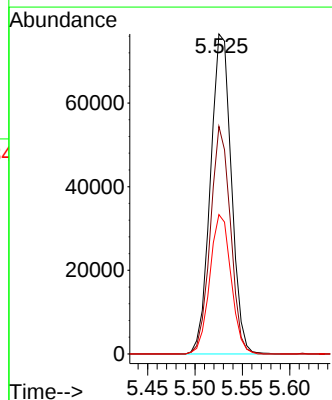
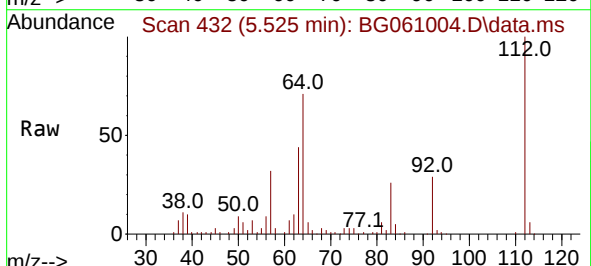
Instrument :  
BNA\_G  
ClientSampleId :  
PB160353BL

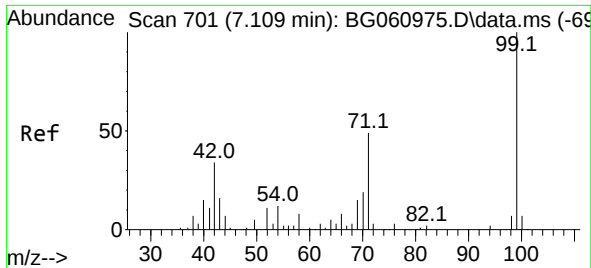
Tgt Ion:152 Resp: 19339  
Ion Ratio Lower Upper  
152 100  
150 160.8 118.6 178.0  
115 55.9 47.4 71.0



#5  
2-Fluorophenol  
Concen: 122.629 ng  
RT: 5.525 min Scan# 432  
Delta R.T. -0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

Tgt Ion:112 Resp: 117243  
Ion Ratio Lower Upper  
112 100  
64 71.1 53.7 80.5  
63 43.6 37.0 55.6

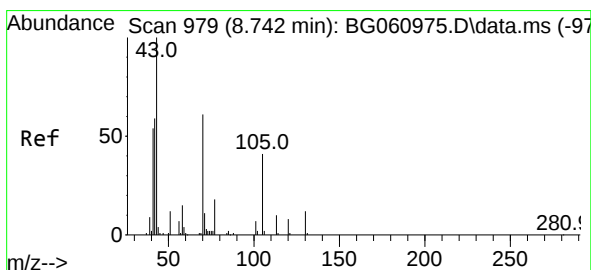
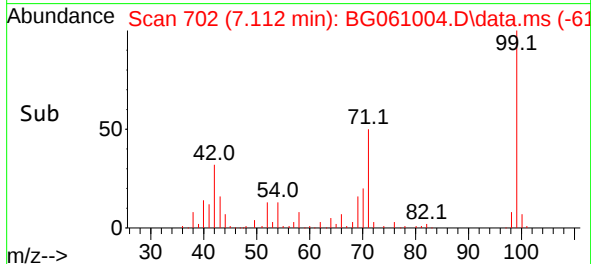
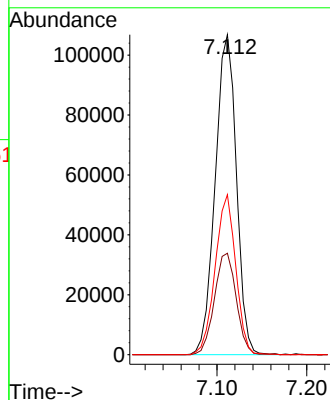
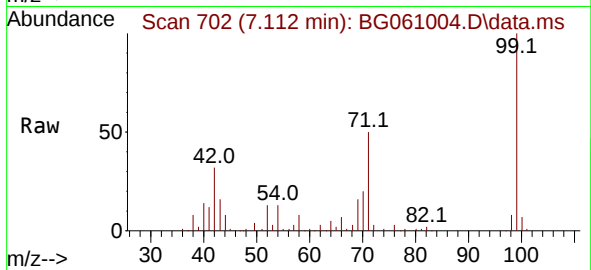




#7  
Phenol-d6  
Concen: 123.454 ng  
RT: 7.112 min Scan# 70  
Delta R.T. 0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

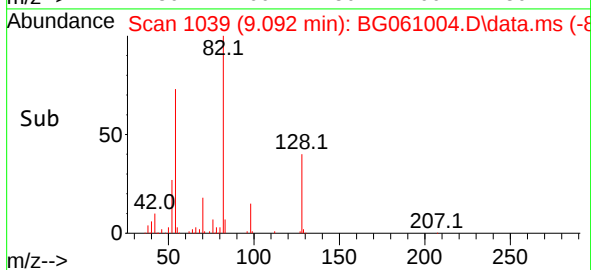
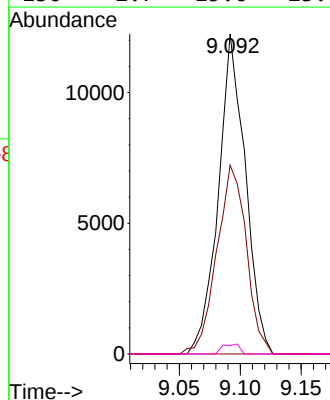
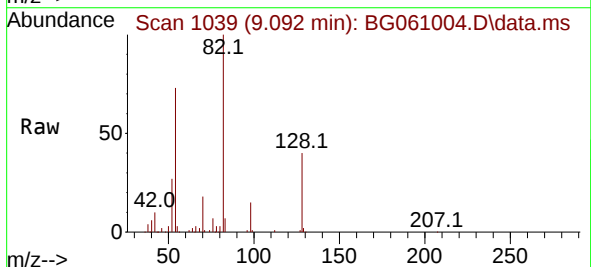
Instrument :  
BNA\_G  
ClientSampleId :  
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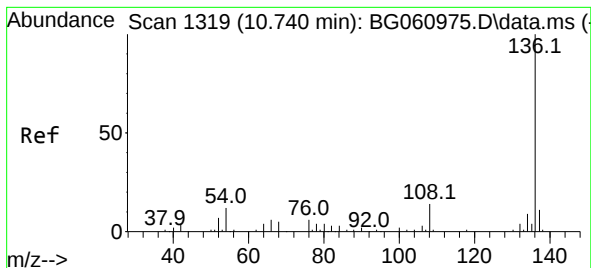
Tgt Ion: 99 Resp: 175126  
Ion Ratio Lower Upper  
99 100  
42 31.7 27.2 40.8  
71 50.0 38.8 58.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.860 ng  
RT: 9.092 min Scan# 1039  
Delta R.T. 0.350 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

Tgt Ion: 70 Resp: 18881  
Ion Ratio Lower Upper  
70 100  
42 59.0 78.0 117.0#  
101 0.0 8.6 13.0#  
130 2.7 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.737 min Scan# 1319

Delta R.T. -0.003 min

Lab File: BG061004.D

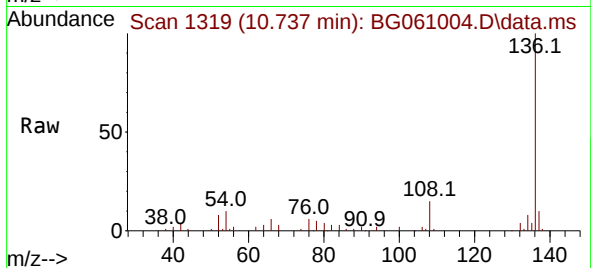
Acq: 23 Apr 2024 12:12

Instrument :

BNA\_G

ClientSampleId :

PB160353BL



Tgt Ion:136 Resp: 72888

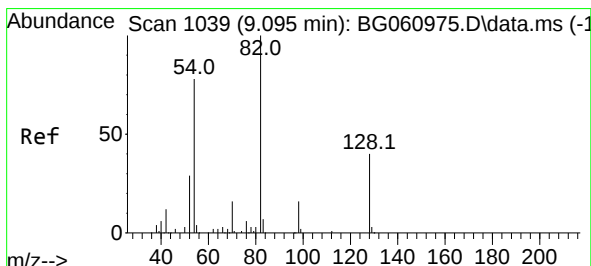
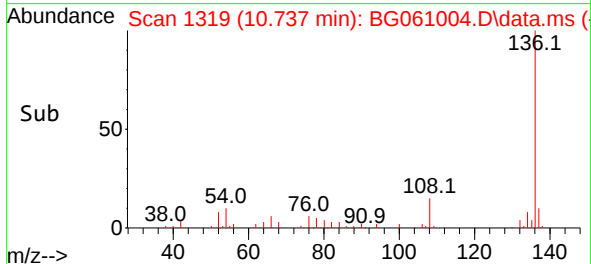
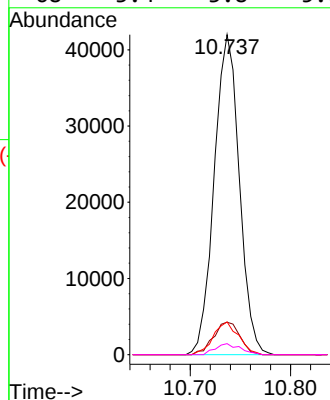
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 10.3 9.4 14.0

68 3.4 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 75.965 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.003 min

Lab File: BG061004.D

Acq: 23 Apr 2024 12:12

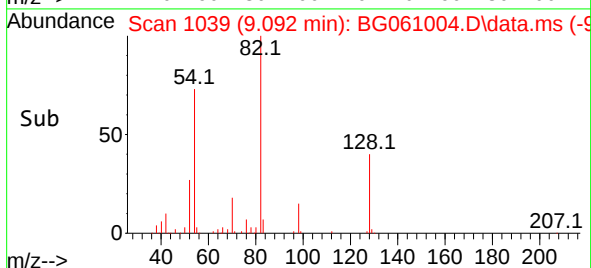
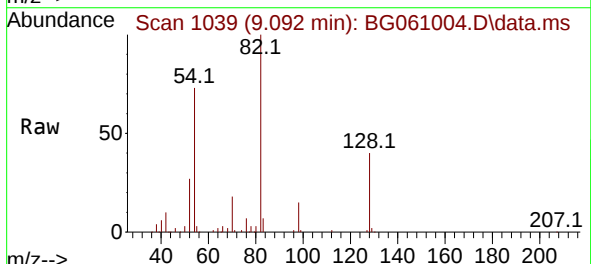
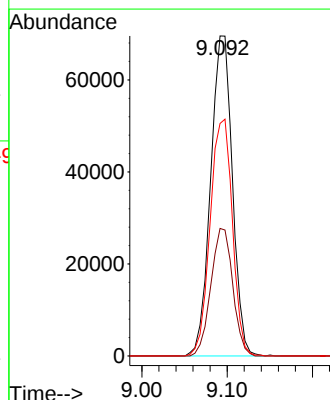
Tgt Ion: 82 Resp: 123237

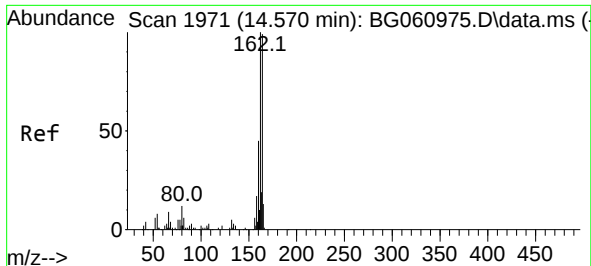
Ion Ratio Lower Upper

82 100

128 39.8 32.1 48.1

54 72.7 62.3 93.5

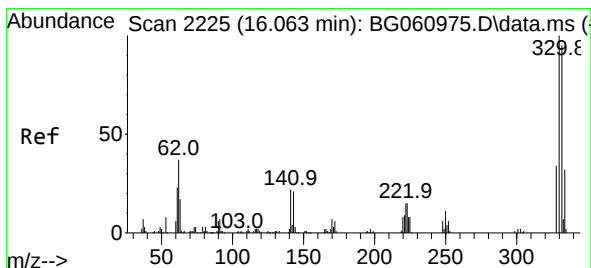
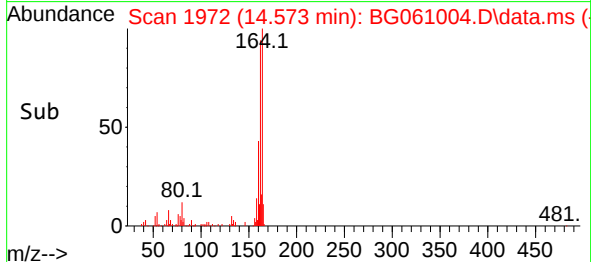
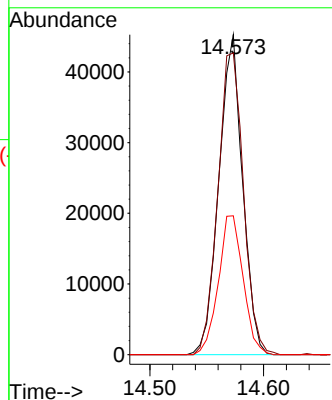
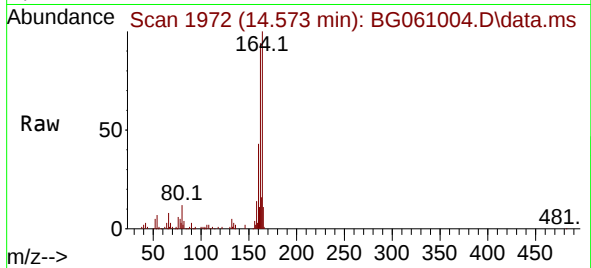




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.573 min Scan# 1971  
Delta R.T. 0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

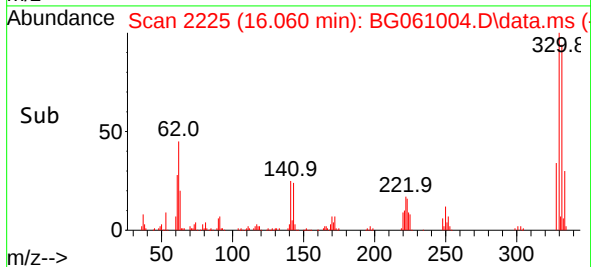
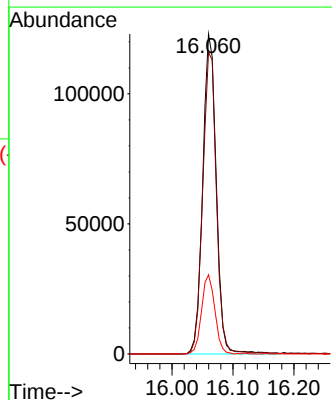
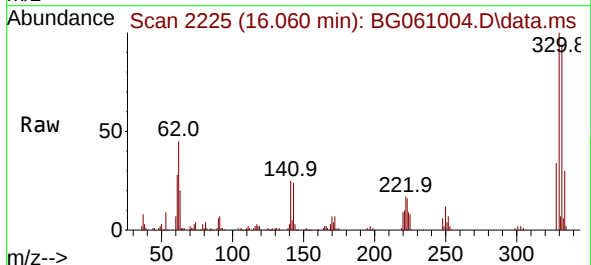
Instrument :  
BNA\_G  
ClientSampleId :  
PB160353BL

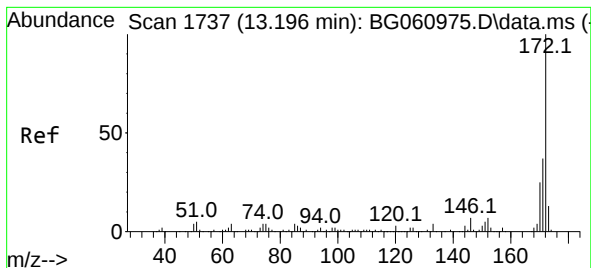
Tgt Ion:164 Resp: 65463  
Ion Ratio Lower Upper  
164 100  
162 94.3 81.2 121.8  
160 43.4 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 132.047 ng  
RT: 16.060 min Scan# 2225  
Delta R.T. -0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

Tgt Ion:330 Resp: 189820  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.1 115.7  
141 24.3 20.6 31.0

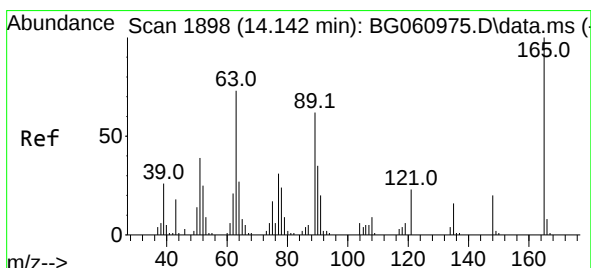
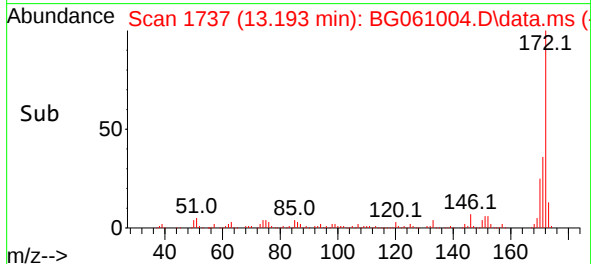
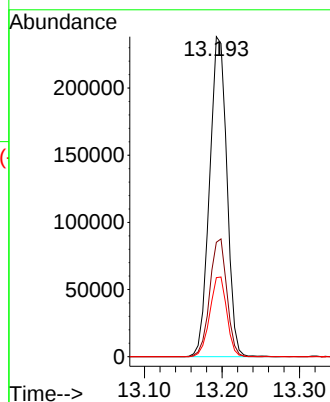
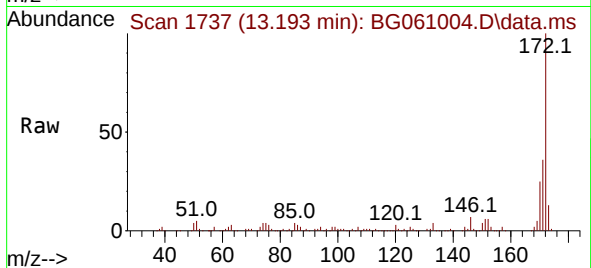




#45  
2-Fluorobiphenyl  
Concen: 78.084 ng  
RT: 13.193 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

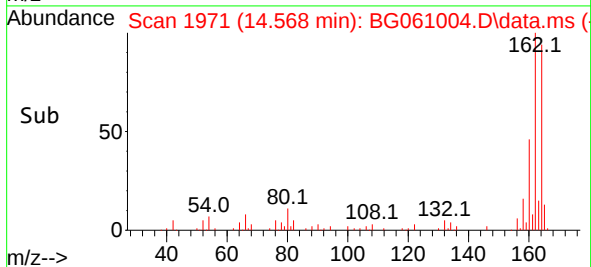
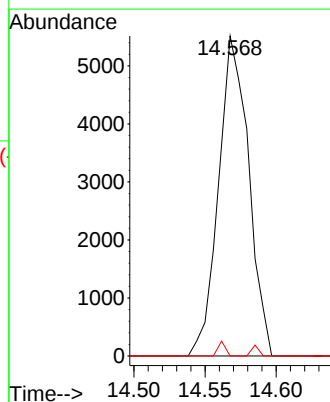
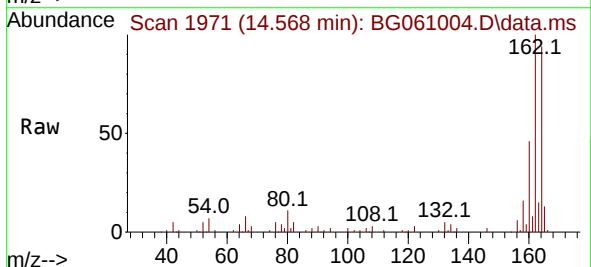
Instrument :  
BNA\_G  
ClientSampleId :  
PB160353BL

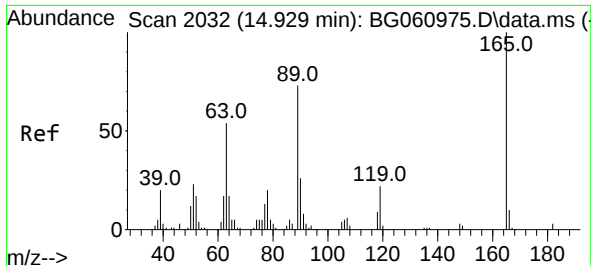
Tgt Ion:172 Resp: 369333  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.3 43.9  
170 24.7 20.1 30.1



#51  
2,6-Dinitrotoluene  
Concen: 7.200 ng  
RT: 14.568 min Scan# 1971  
Delta R.T. 0.426 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

Tgt Ion:165 Resp: 8110  
Ion Ratio Lower Upper  
165 100  
63 0.0 59.6 89.4#  
89 0.0 49.4 74.0#





#57

2,4-Dinitrotoluene

Concen: 4.999 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG061004.D

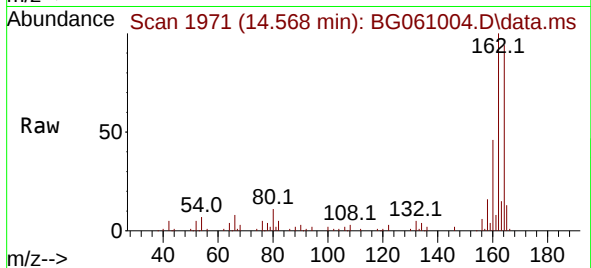
Acq: 23 Apr 2024 12:12

Instrument :

BNA\_G

ClientSampleId :

PB160353BL



Tgt Ion:165 Resp: 8110

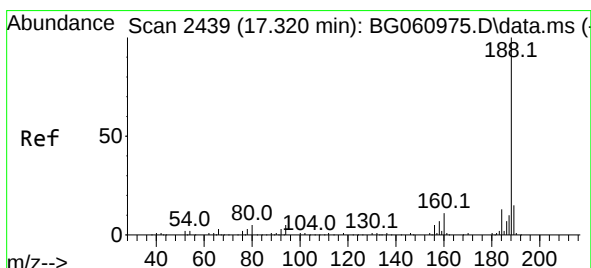
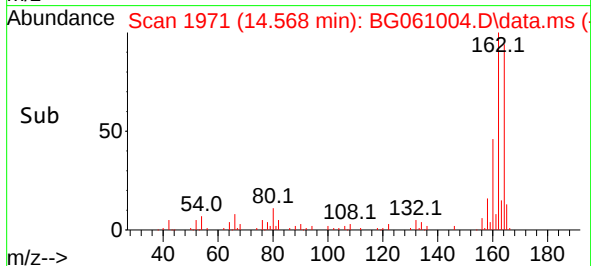
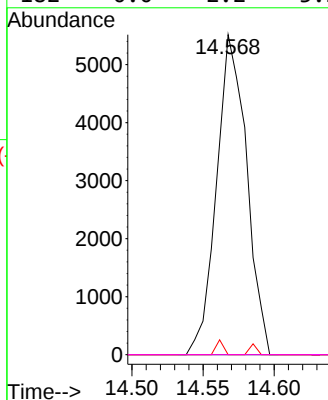
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

89 0.0 58.4 87.6#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.317 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG061004.D

Acq: 23 Apr 2024 12:12

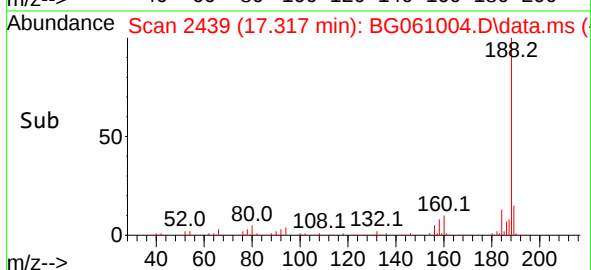
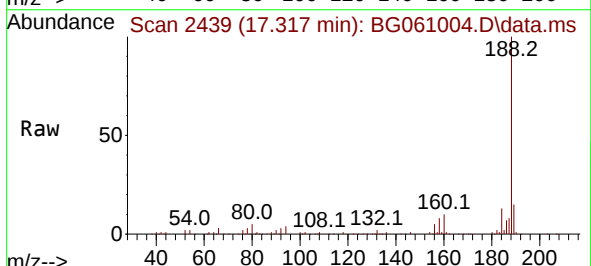
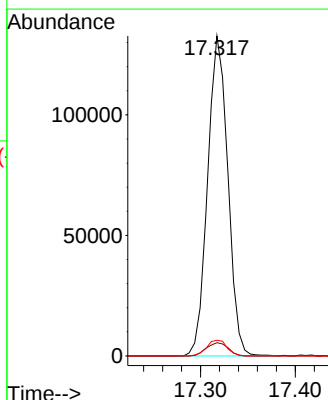
Tgt Ion:188 Resp: 196400

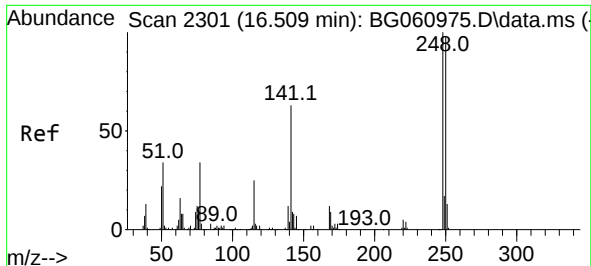
Ion Ratio Lower Upper

188 100

94 4.2 4.1 6.1

80 4.9 4.0 6.0

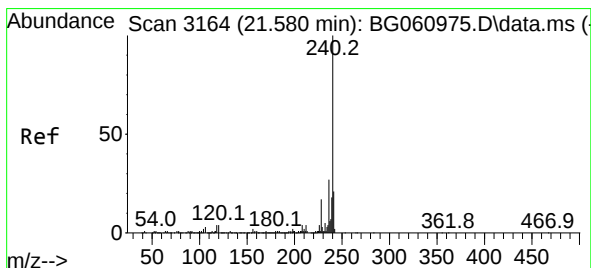
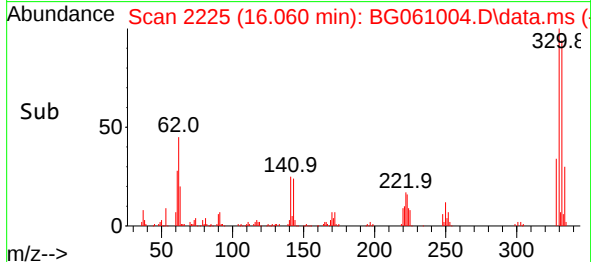
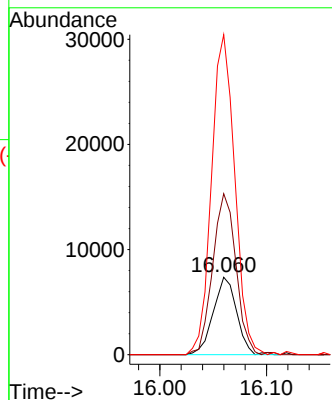
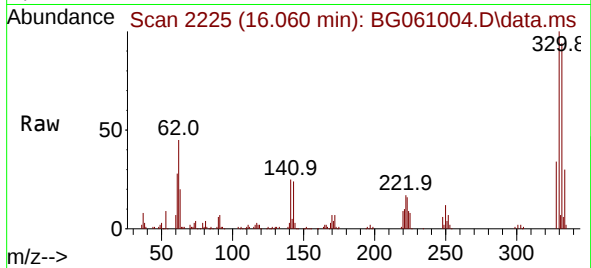




#67  
4-Bromophenyl-phenylether  
Concen: 4.342 ng  
RT: 16.060 min Scan# 211  
Delta R.T. -0.449 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

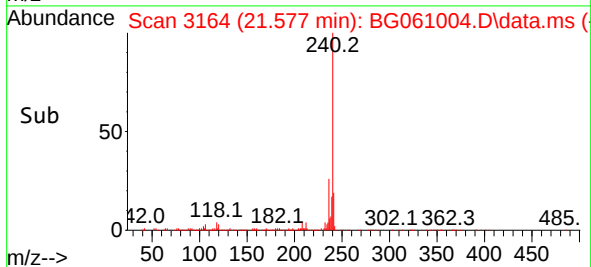
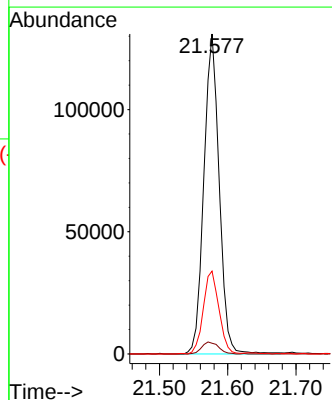
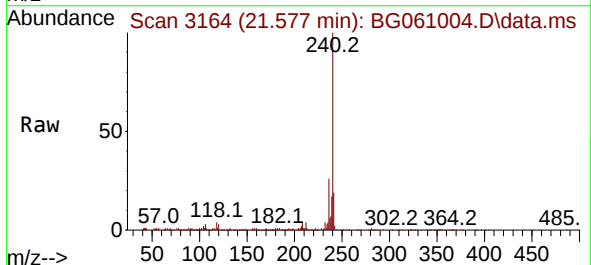
Instrument :  
BNA\_G  
ClientSampleId :  
PB160353BL

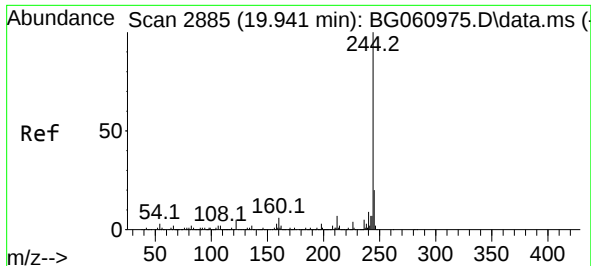
Tgt Ion:248 Resp: 11255  
Ion Ratio Lower Upper  
248 100  
250 207.9 78.7 118.1#  
141 413.5 50.4 75.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.577 min Scan# 3164  
Delta R.T. -0.003 min  
Lab File: BG061004.D  
Acq: 23 Apr 2024 12:12

Tgt Ion:240 Resp: 204593  
Ion Ratio Lower Upper  
240 100  
120 3.3 3.0 4.6  
236 25.9 21.8 32.6

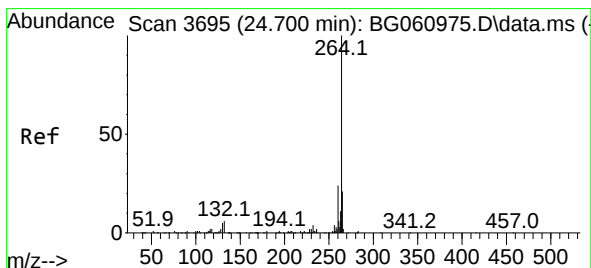
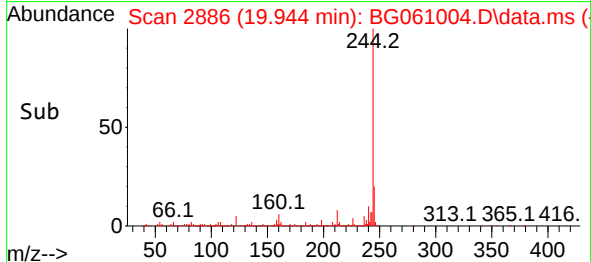
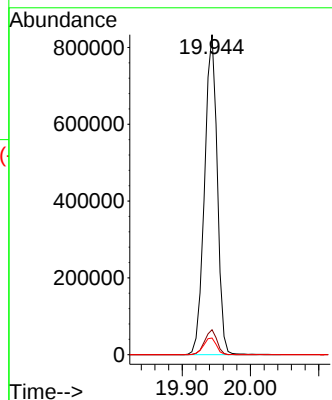
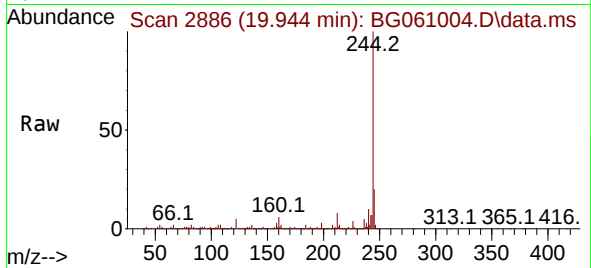




#79  
 Terphenyl-d14  
 Concen: 81.792 ng  
 RT: 19.944 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: BG061004.D  
 Acq: 23 Apr 2024 12:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB160353BL

Tgt Ion:244 Resp: 1078068  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.9 8.9  
 122 5.2 4.2 6.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.703 min Scan# 3696  
 Delta R.T. 0.003 min  
 Lab File: BG061004.D  
 Acq: 23 Apr 2024 12:12

Tgt Ion:264 Resp: 234195  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.3 17.0 25.4

