Figure 1

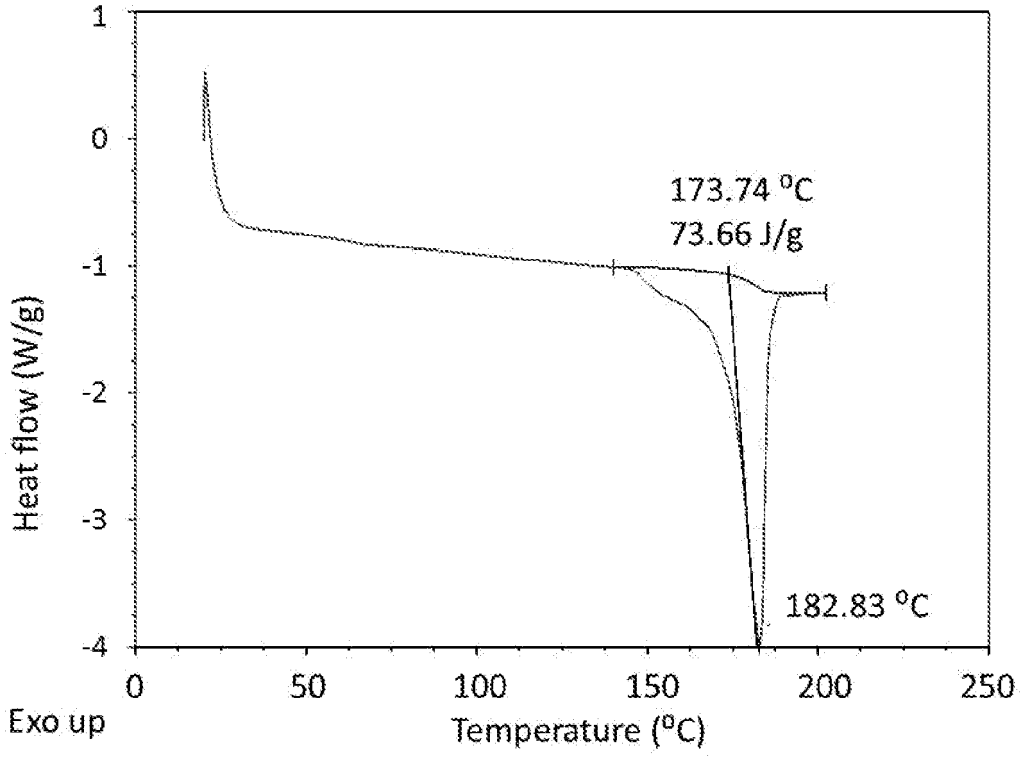


Figure 2

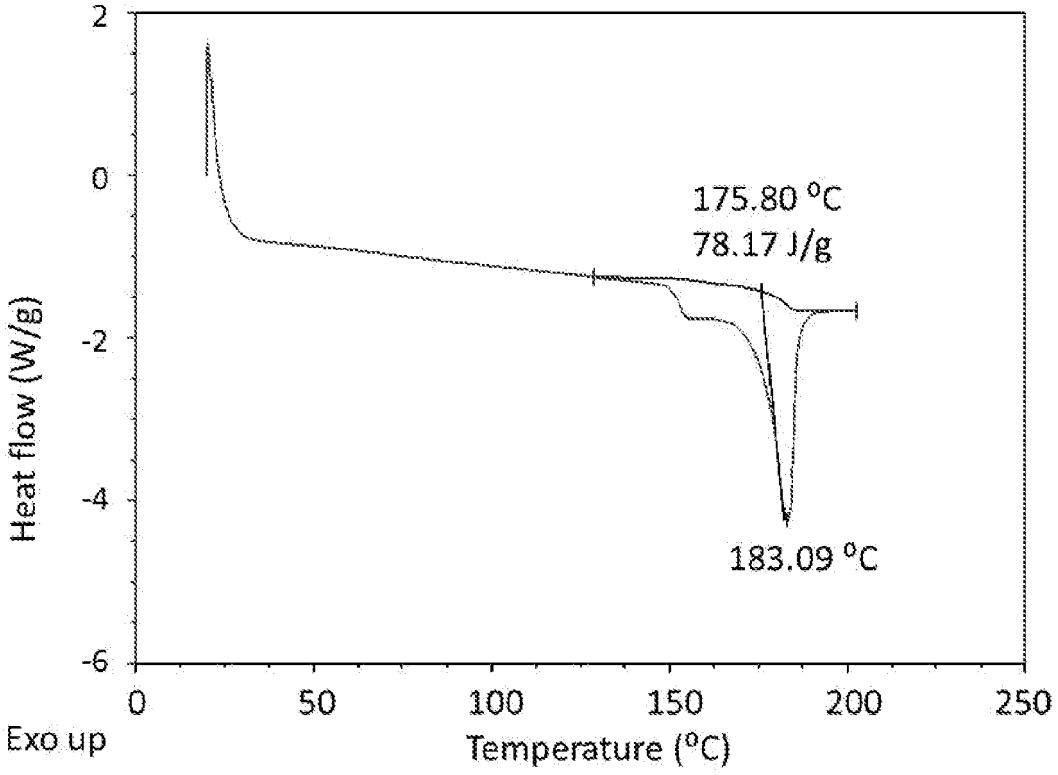


Figure 3

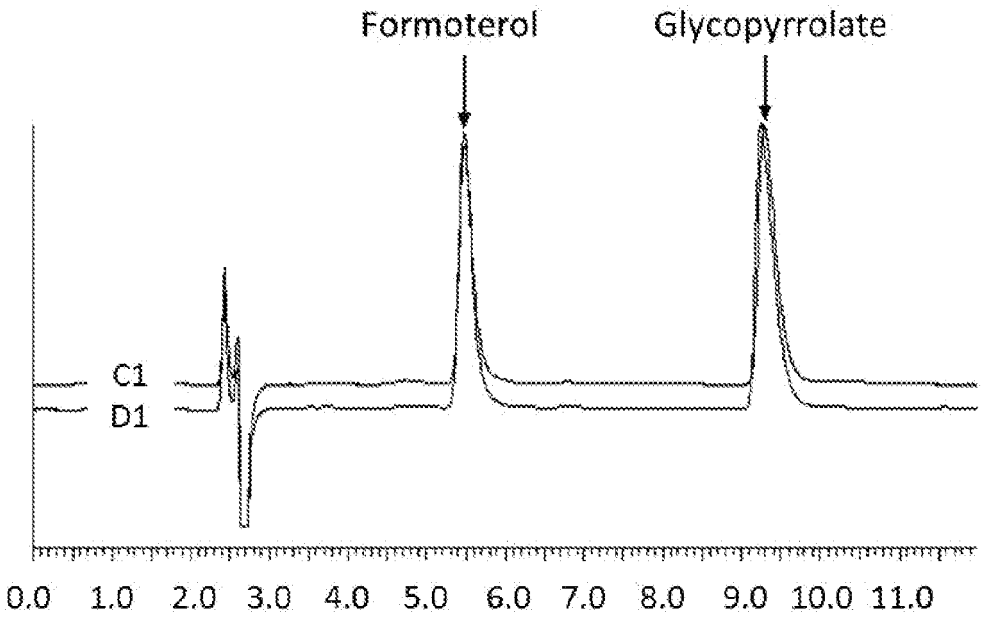


Figure 4

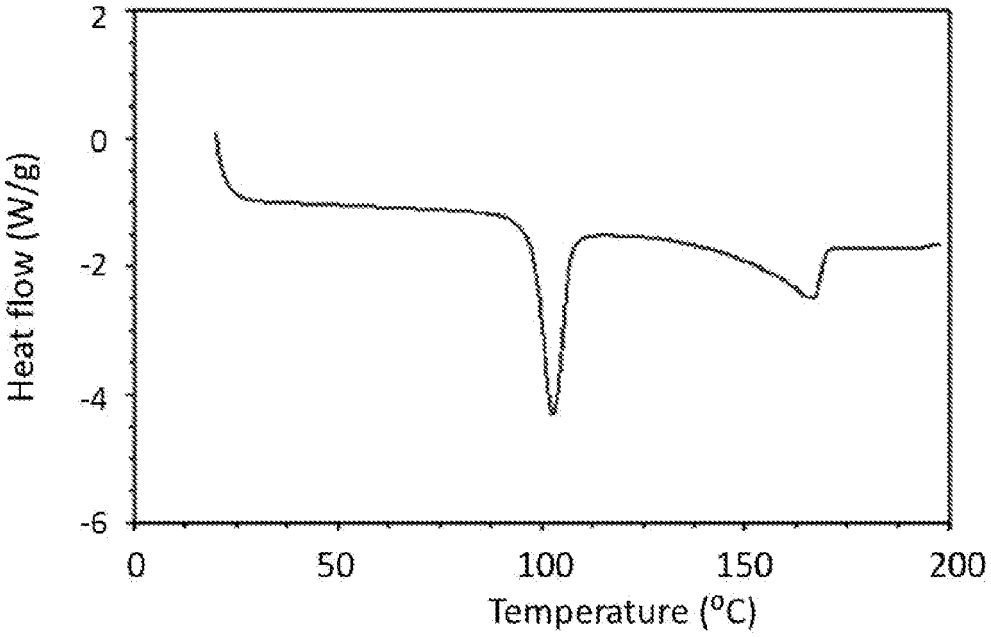


Figure 5

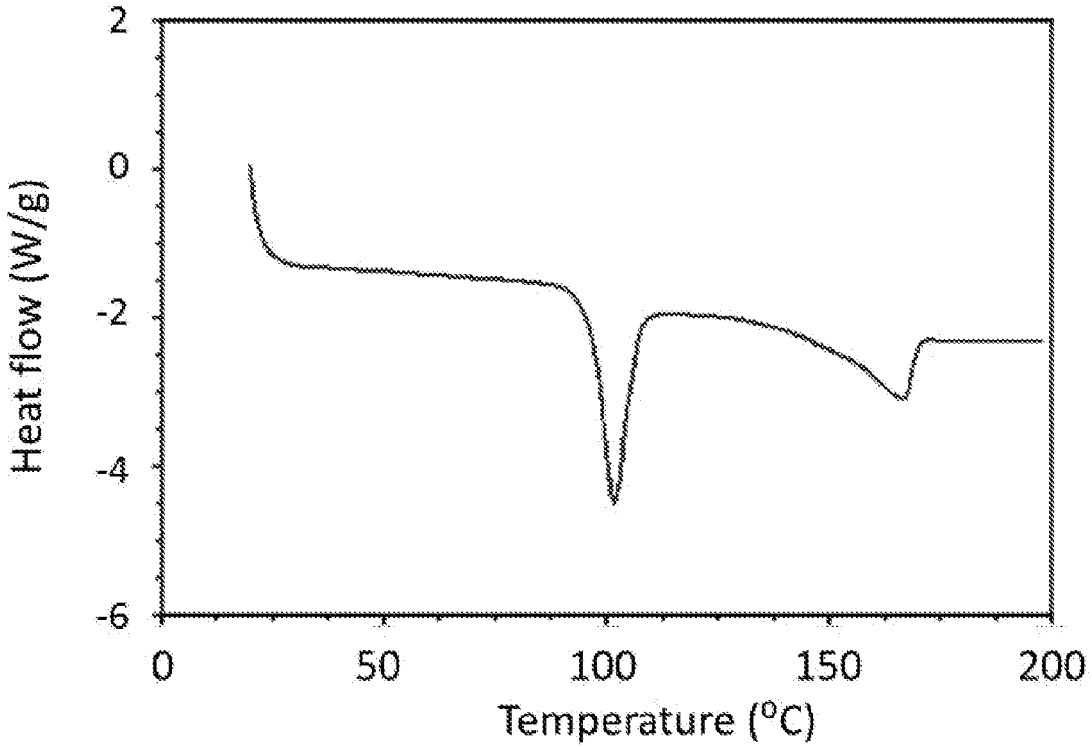


Figure 6

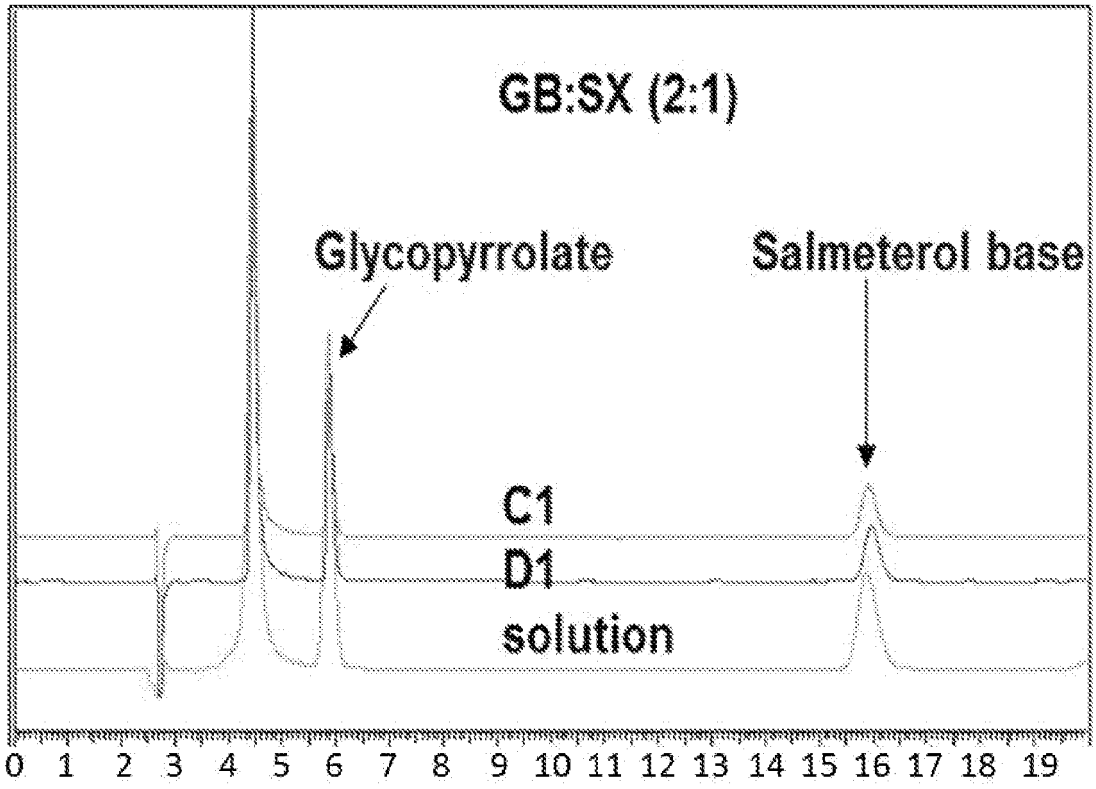
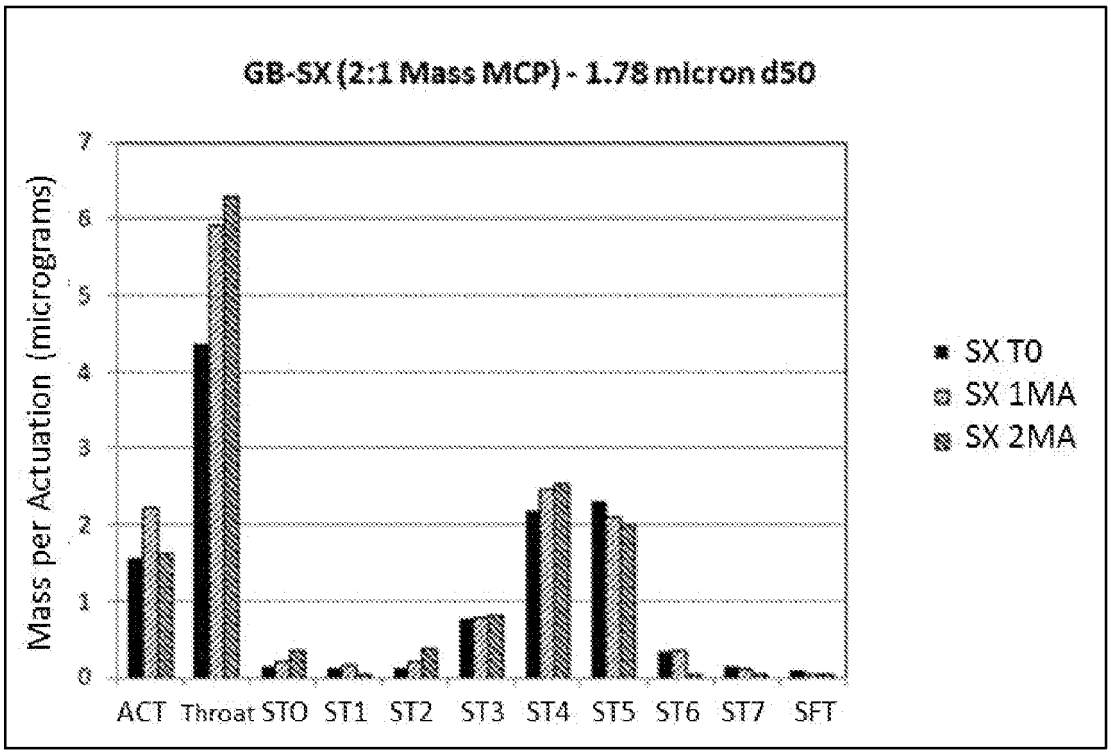


Figure 7

(**A**)


GB-SX (2:1 Mass MCP) - 1.78 micron d50
Mass per Actuation (micrograms)
0
1
2
3
4
5
6
7
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
SX T0
SX 1MA
SX 2MA

(**B**)

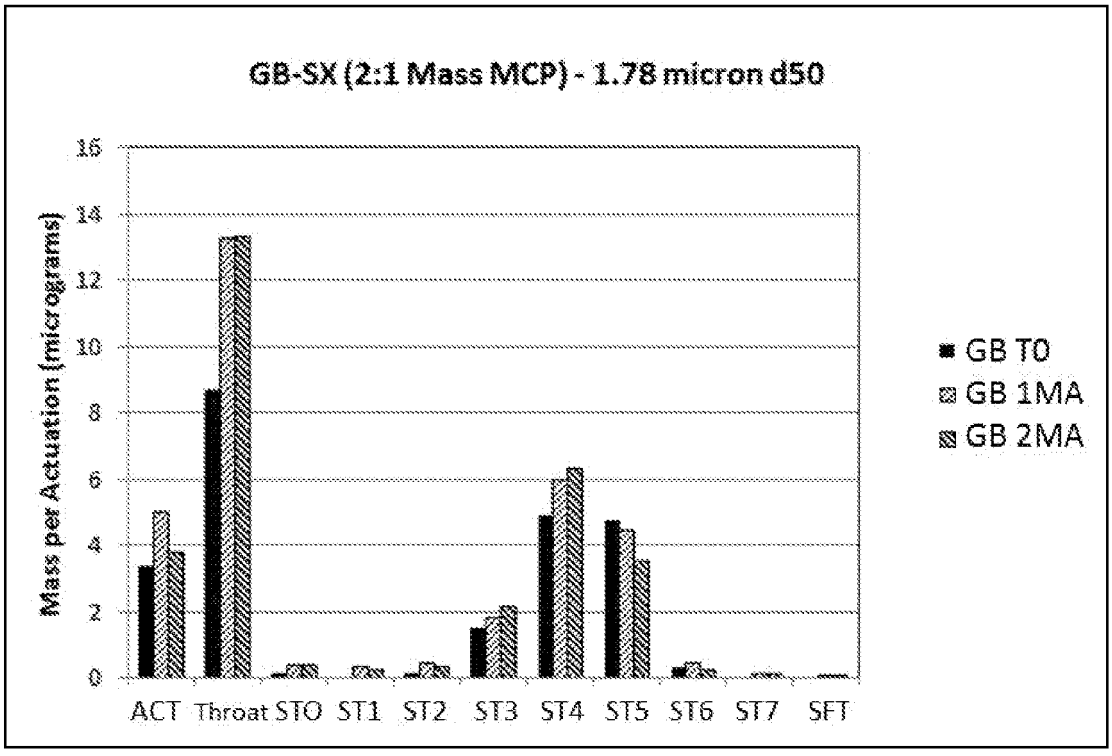
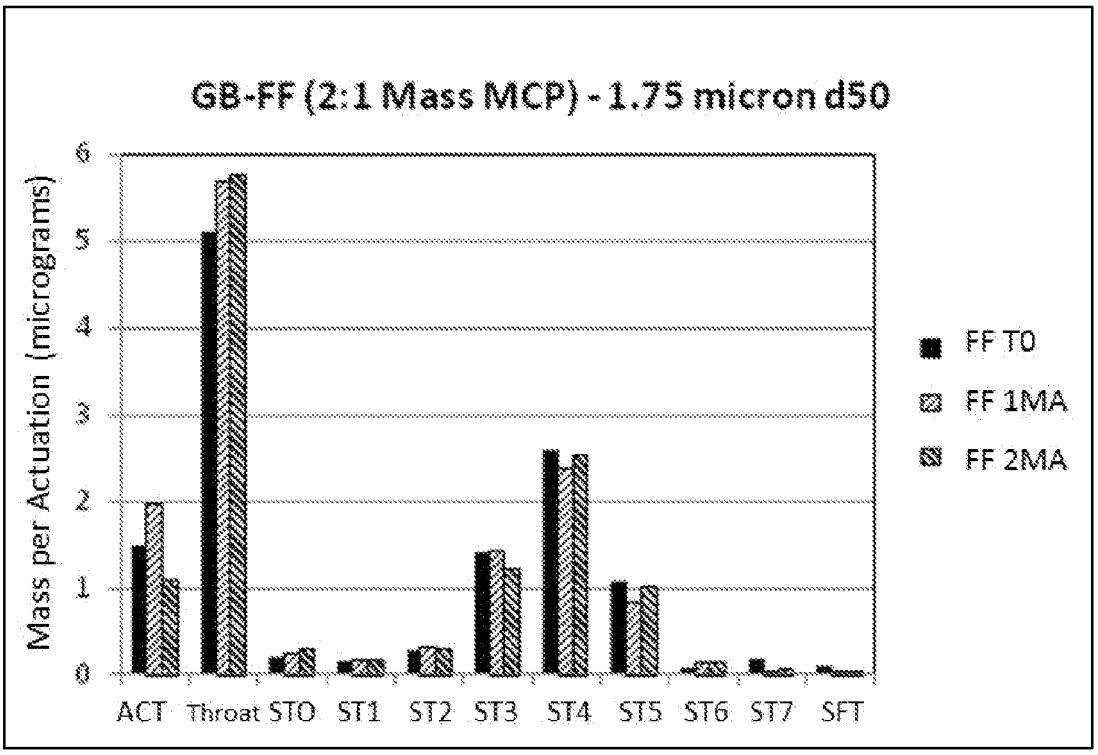

GB-SX (2:1 Mass MCP) - 1.78 micron d50
Mass per Actuation (micrograms)
0
2
4
6
8
10
12
14
16
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
GB T0
GB 1MA
GB 2MA

Figure 8

(**A**)


GB-FF (2:1 Mass MCP) - 1.75 micron d50
Mass per Actuation (micrograms)
0
1
2
3
4
5
6
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
FF T0
FF 1MA
FF 2MA

(**B**)

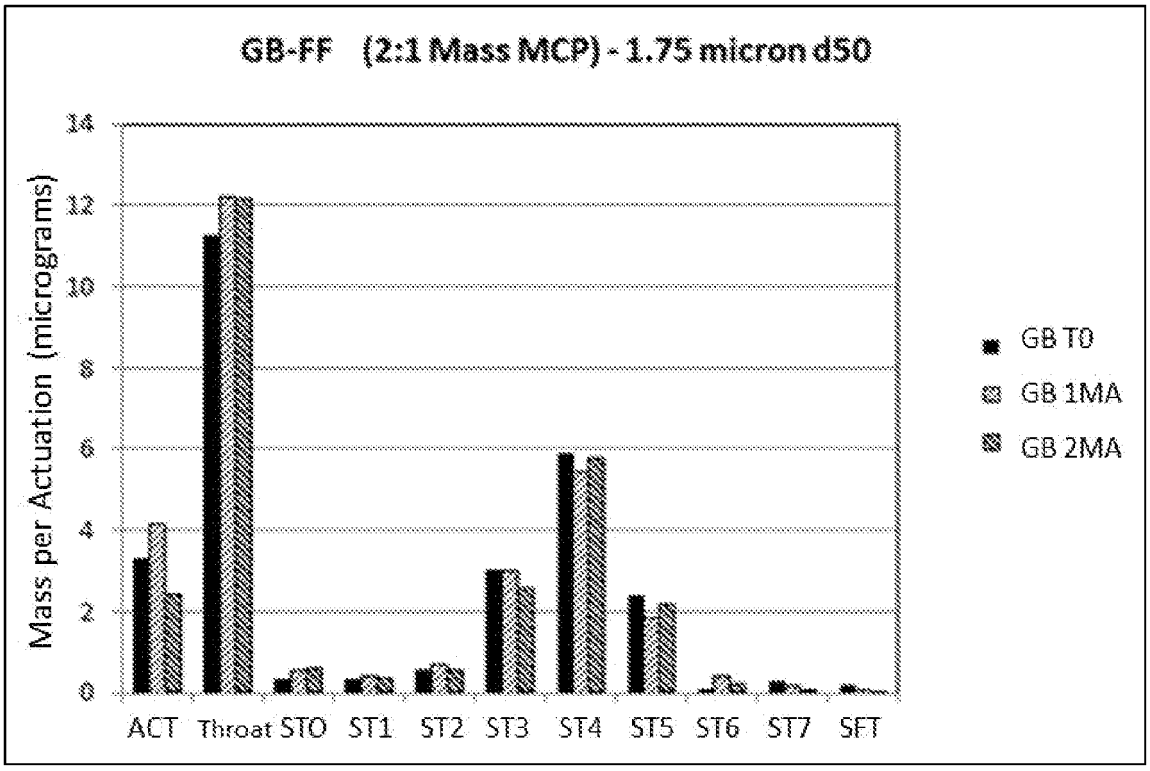
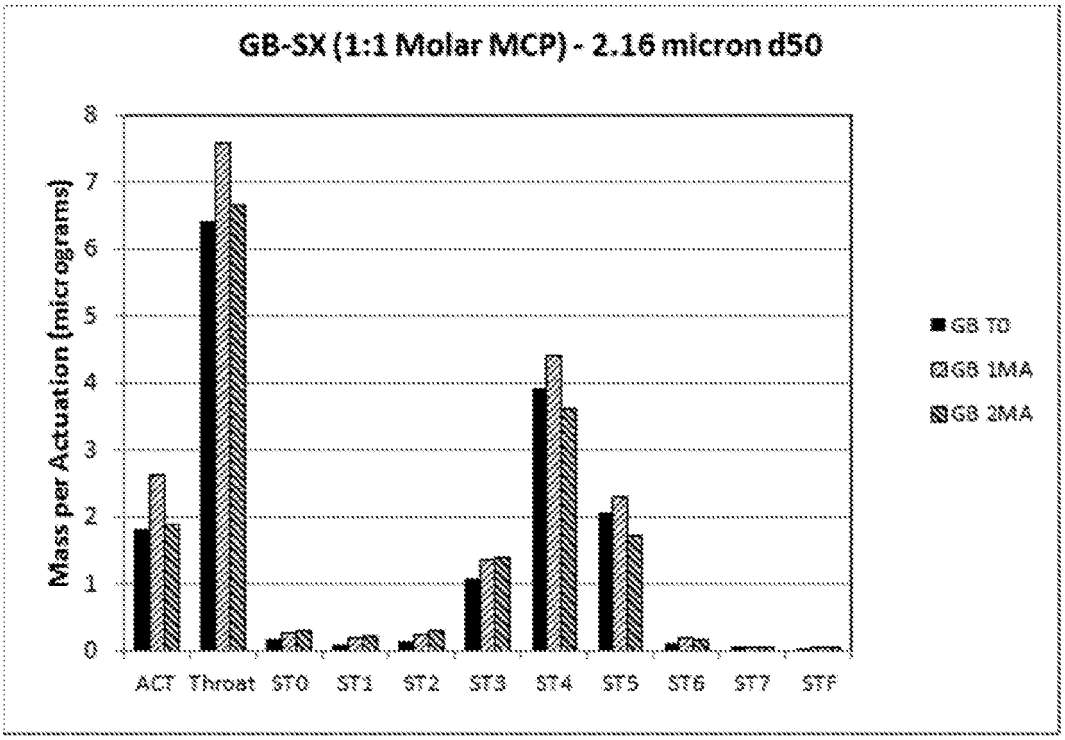

GB-FF (2:1 Mass MCP) - 1.75 micron d50
Mass per Actuation (micrograms)
0
2
4
6
8
10
12
14
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
GB T0
GB 1MA
GB 2MA

Figure 9

(**A**)


GB-SX (1:1 Molar MCP) - 2.16 micron d50
Mass per Actuation (micrograms)
0
1
2
3
4
5
6
7
8
ACT
Throat
ST0
ST1
ST2
ST3
ST4
ST5
ST6
ST7
STF
GB T0
GB 1MA
GB 2MA

(**B**)

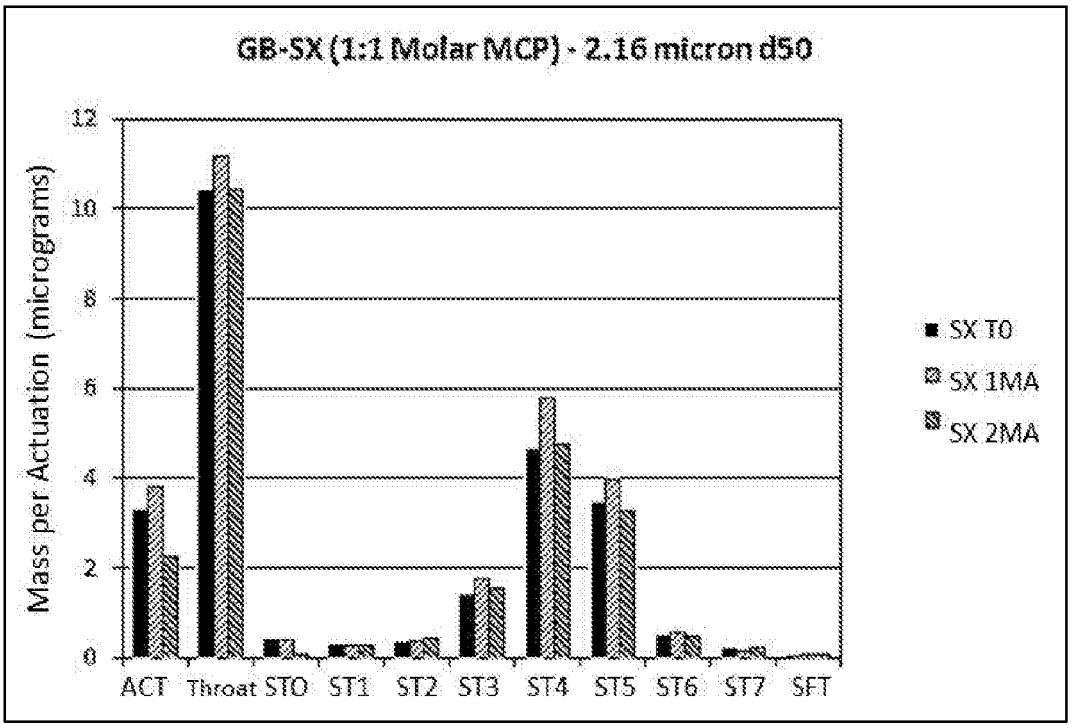
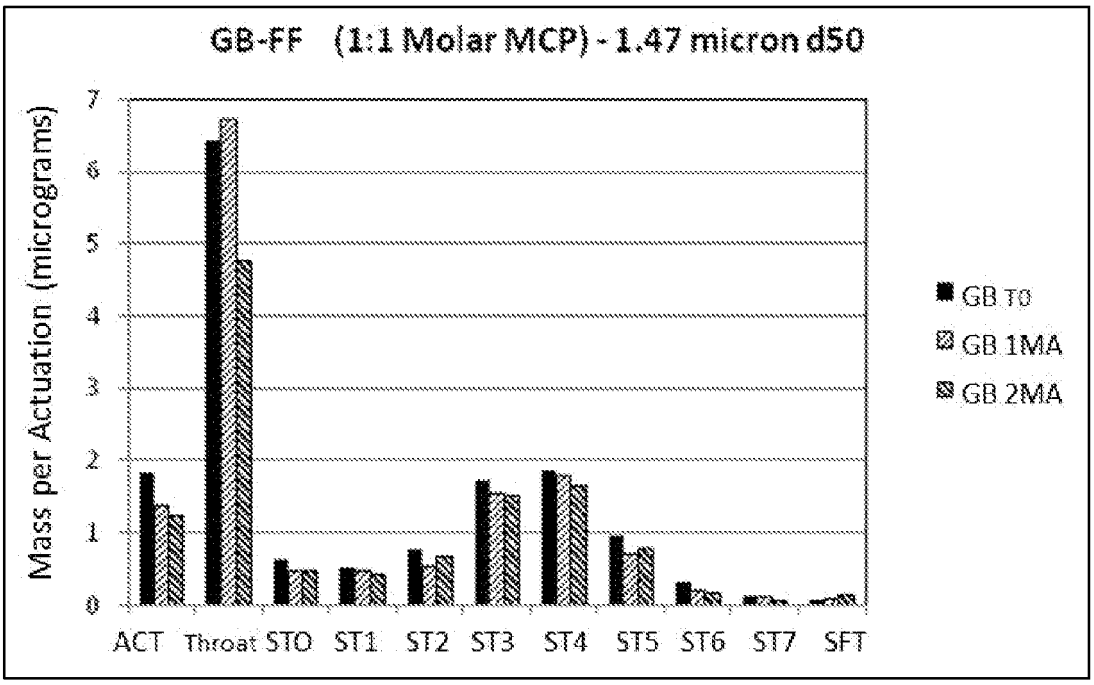

GB-SX (1:1 Molar MCP) - 2.16 micron d50
Mass per Actuation (micrograms)
0
2
4
6
8
10
12
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
SX T0
SX 1MA
SX 2MA

Figure 10

(**A**)


GB-FF (1:1 Molar MCP) - 1.47 micron d50
Mass per Actuation (micrograms)
0
1
2
3
4
5
6
7
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
SFT
GB T0
GB 1MA
GB 2MA

(**B**)

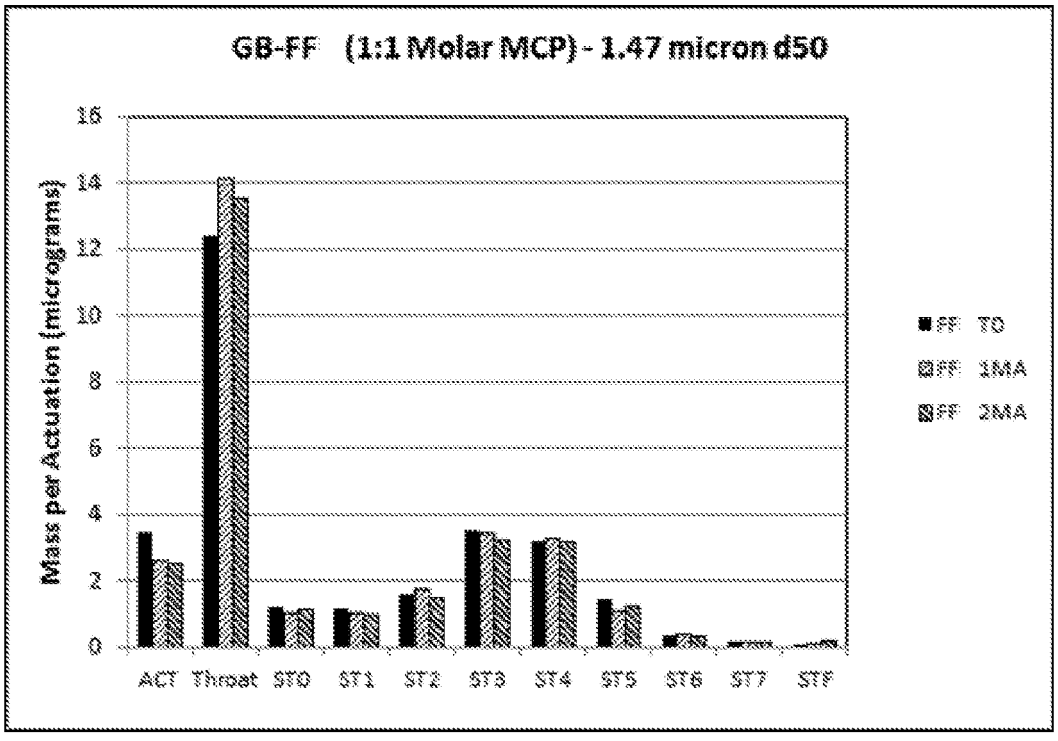

GB-FF (1:1 Molar MCP) - 1.47 micron d50
Mass per Actuation (micrograms)
0
2
4
6
8
10
12
14
16
ACT
Throat
STO
ST1
ST2
ST3
ST4
ST5
ST6
ST7
STF
FF T0
FF 1MA
FF 2MA

Figure 11

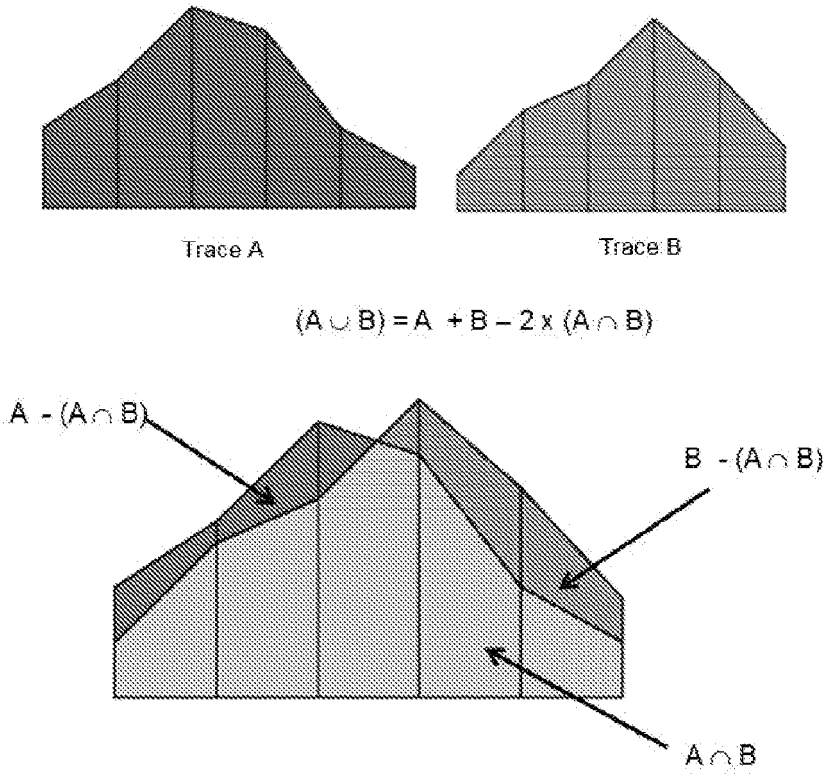


Figure 12

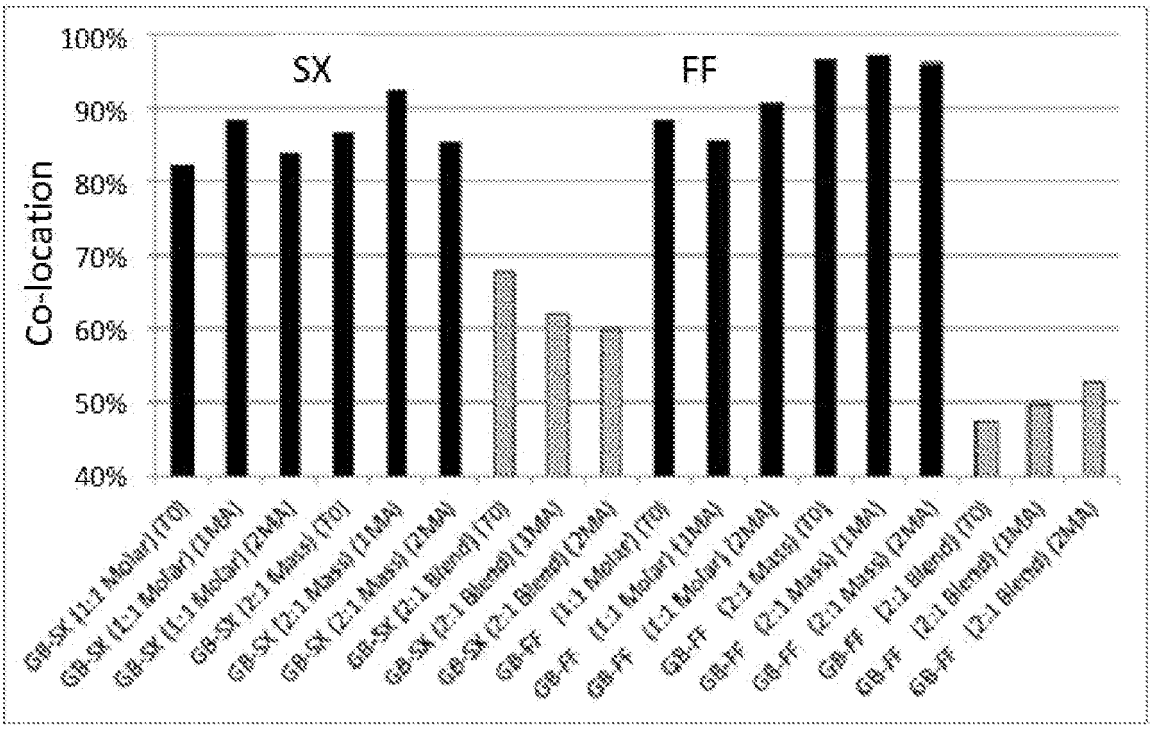
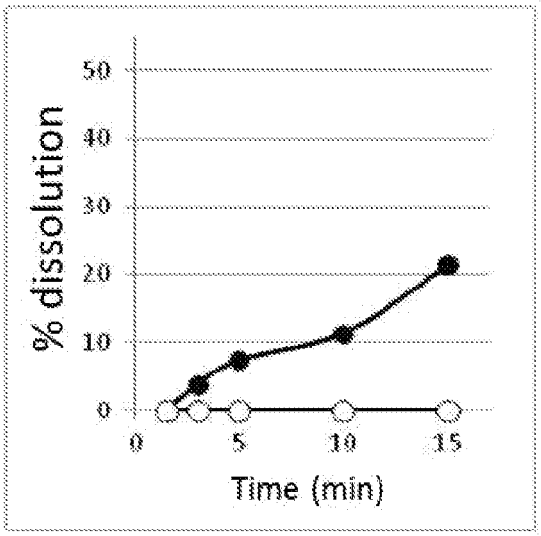


Figure 13

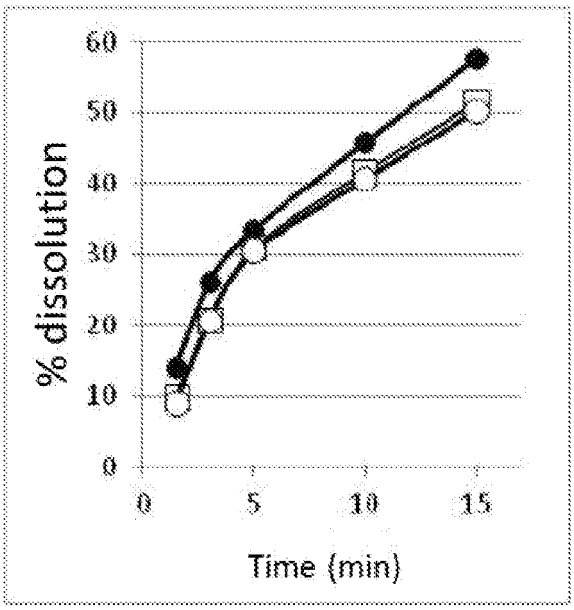


Blended formulation: GB 33.33 mcg, SX 16.66 mcg

Multi-component particle formulation 1: GB 20mcg, SX 30 mcg

Multi-component particle formulation 2: GB 33.33mcg, SX 16.66 mcg

Figure 14



Blended formulation: GB 33.33 mcg, SX 16.66 mcg

Multi-component particle formulation 1: GB 20mcg, SX 30 mcg

Multi-component particle formulation 2: GB 33.33mcg, SX 16.66 mcg