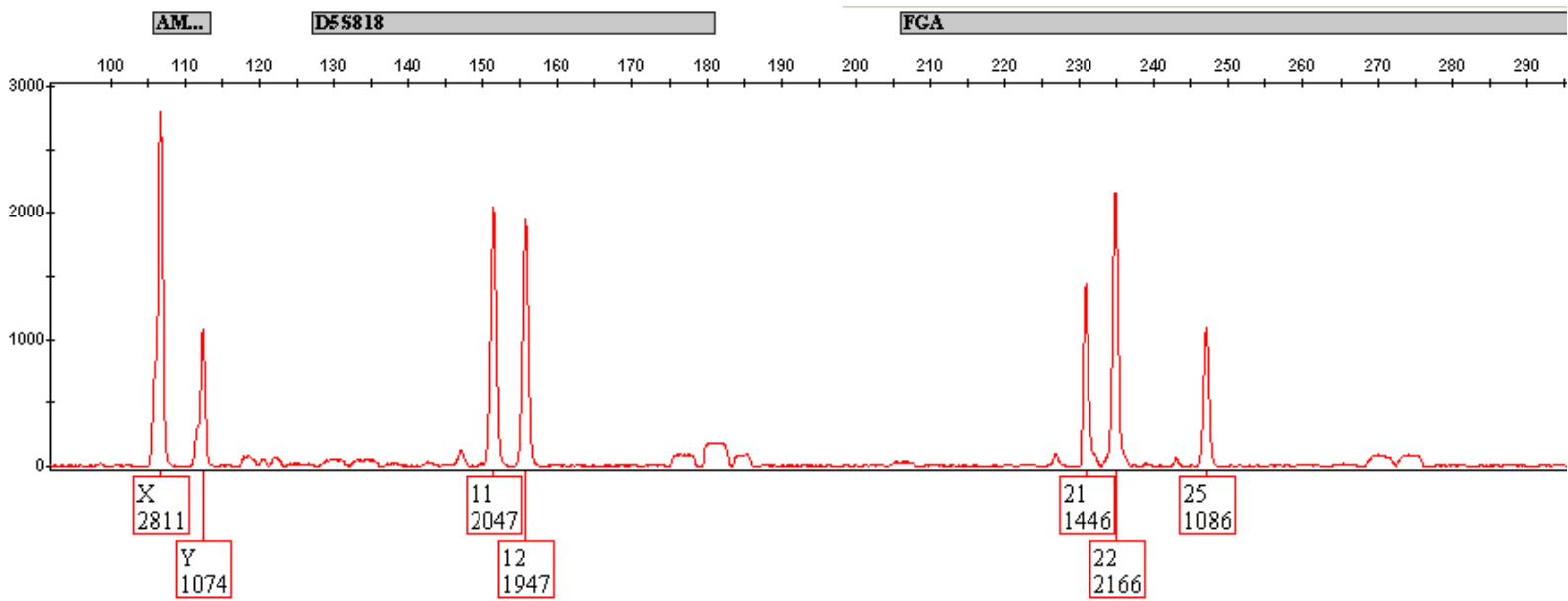
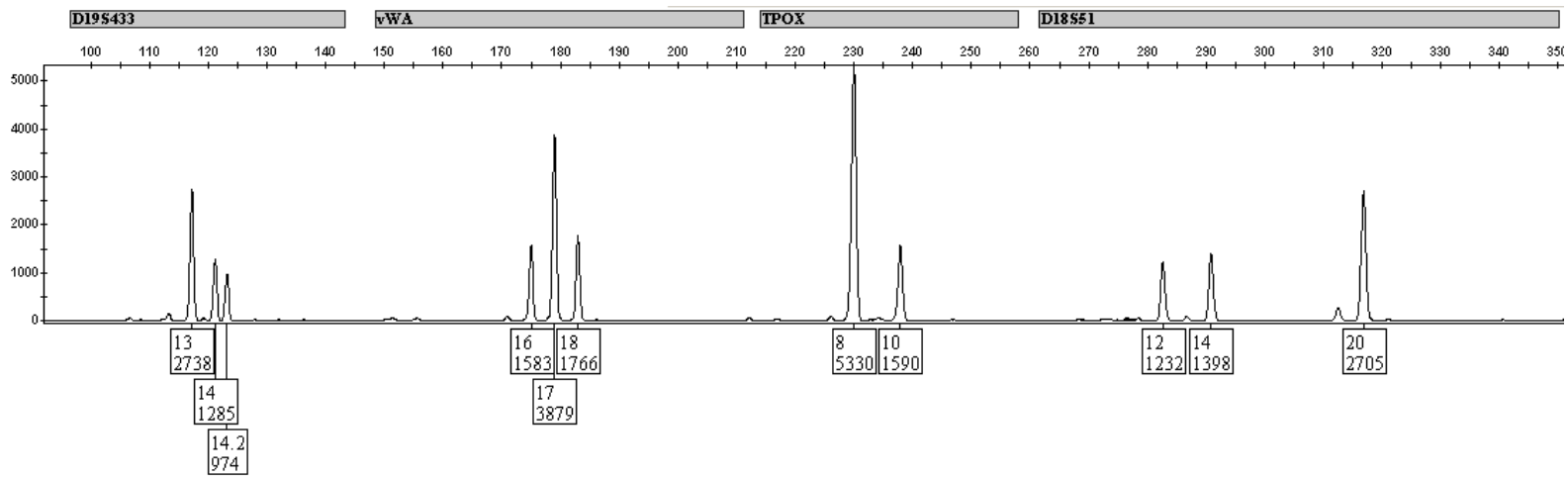
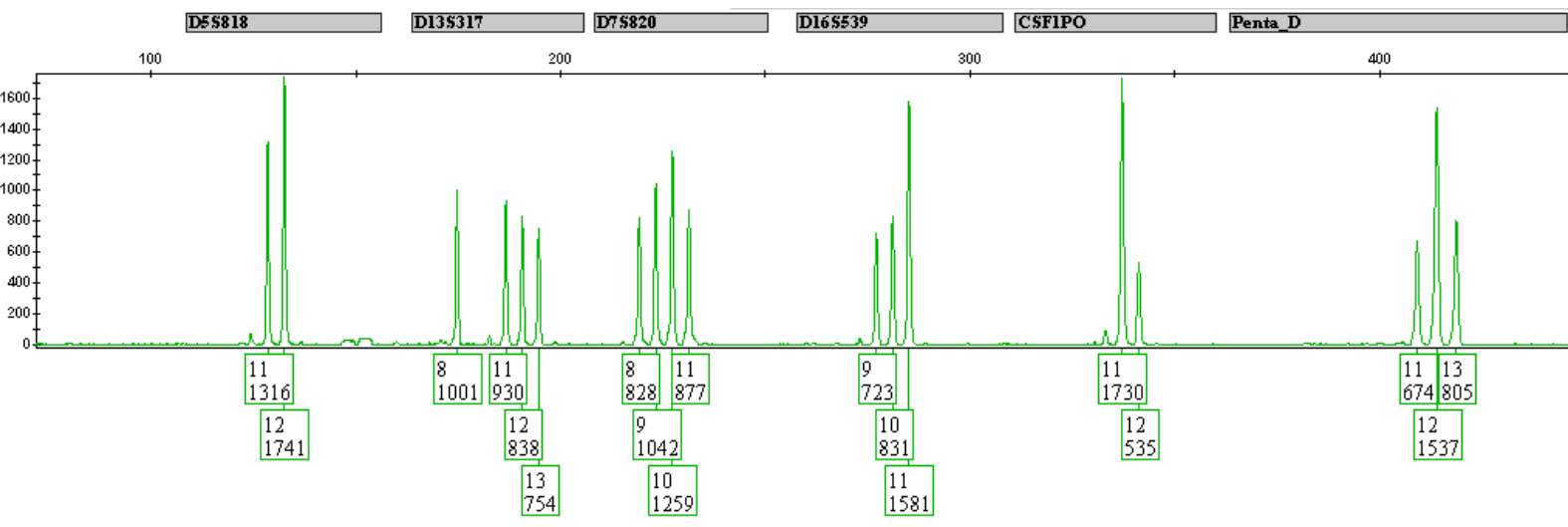
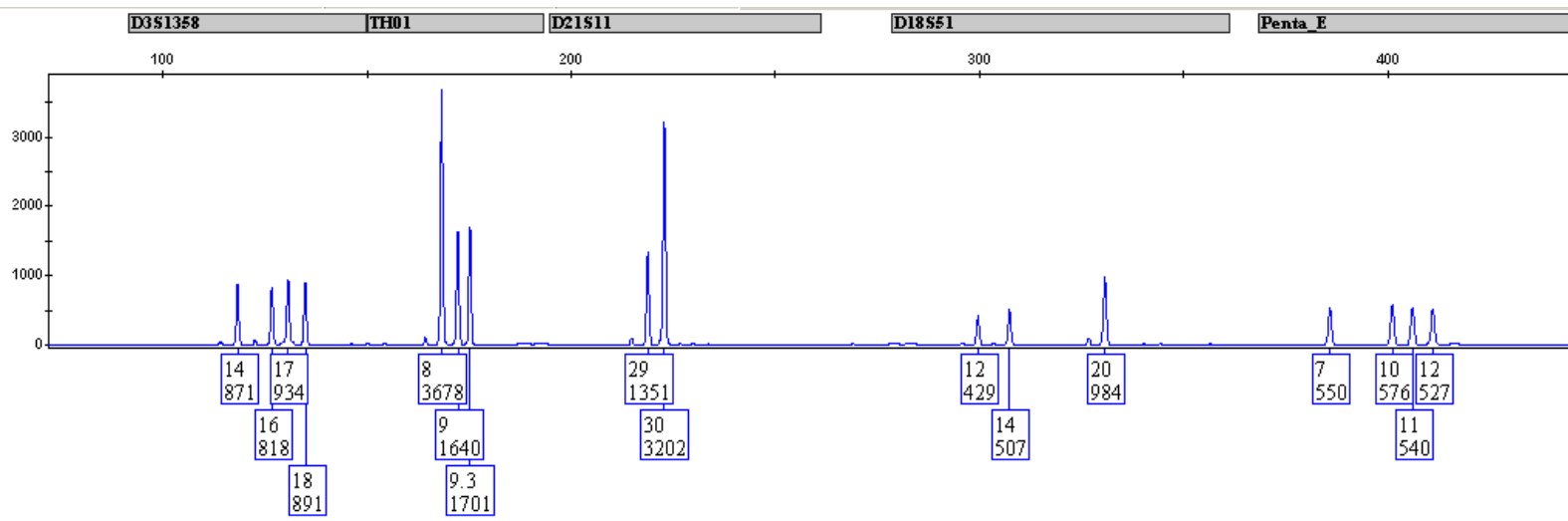
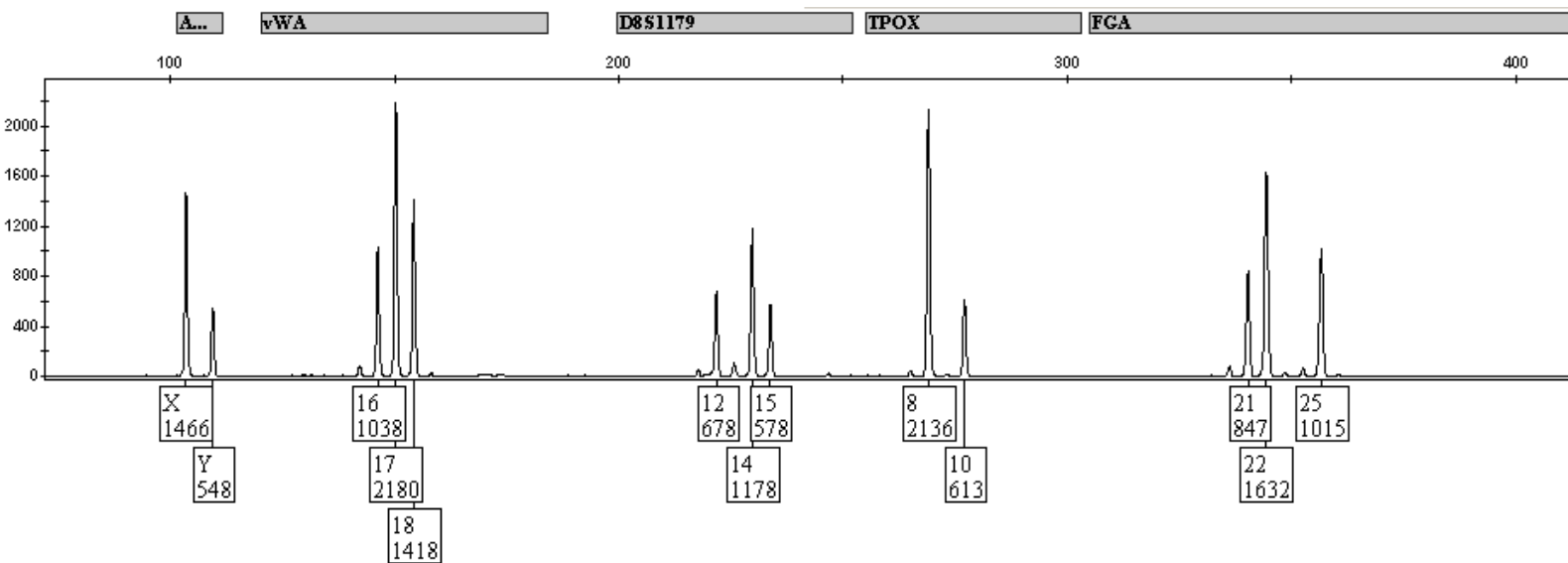


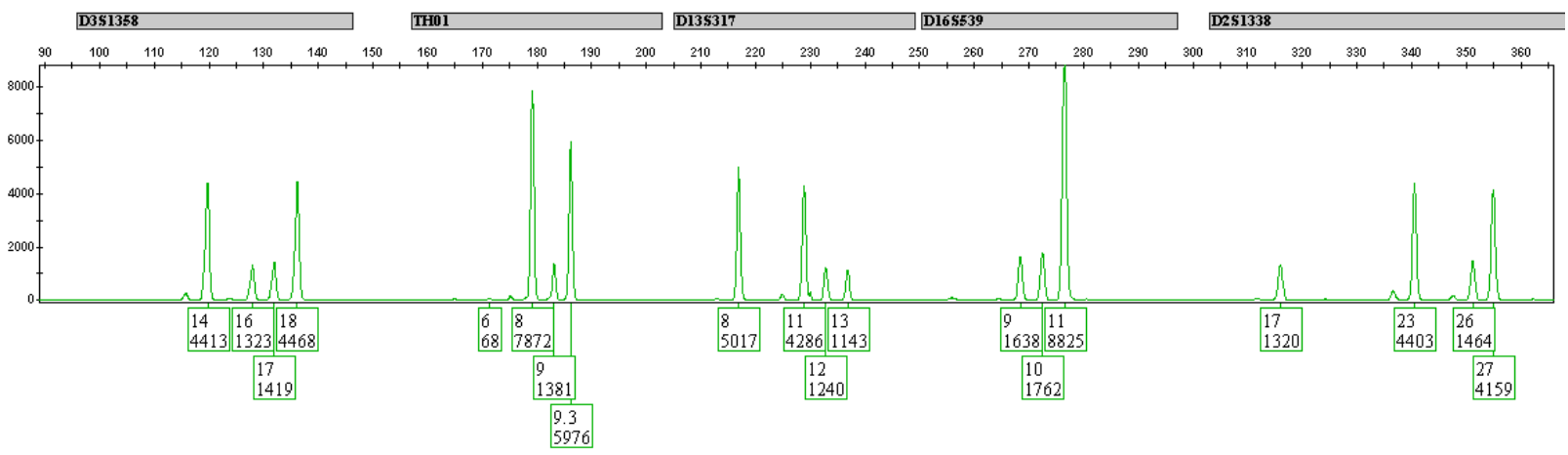
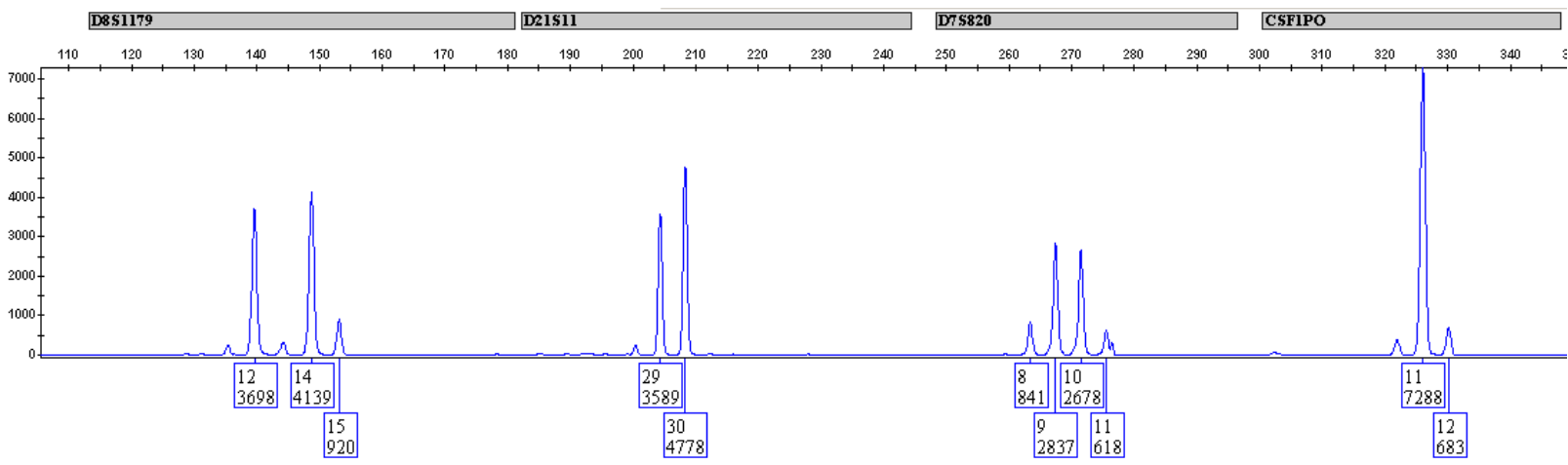
Mixture 1 ID-Plus

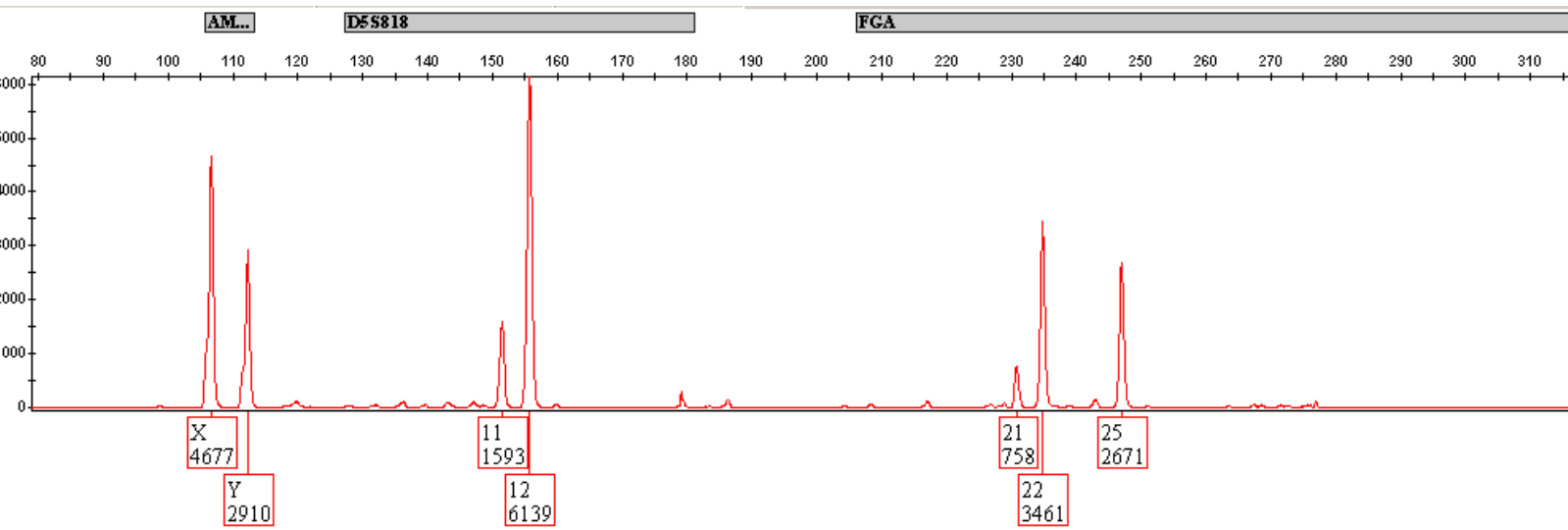
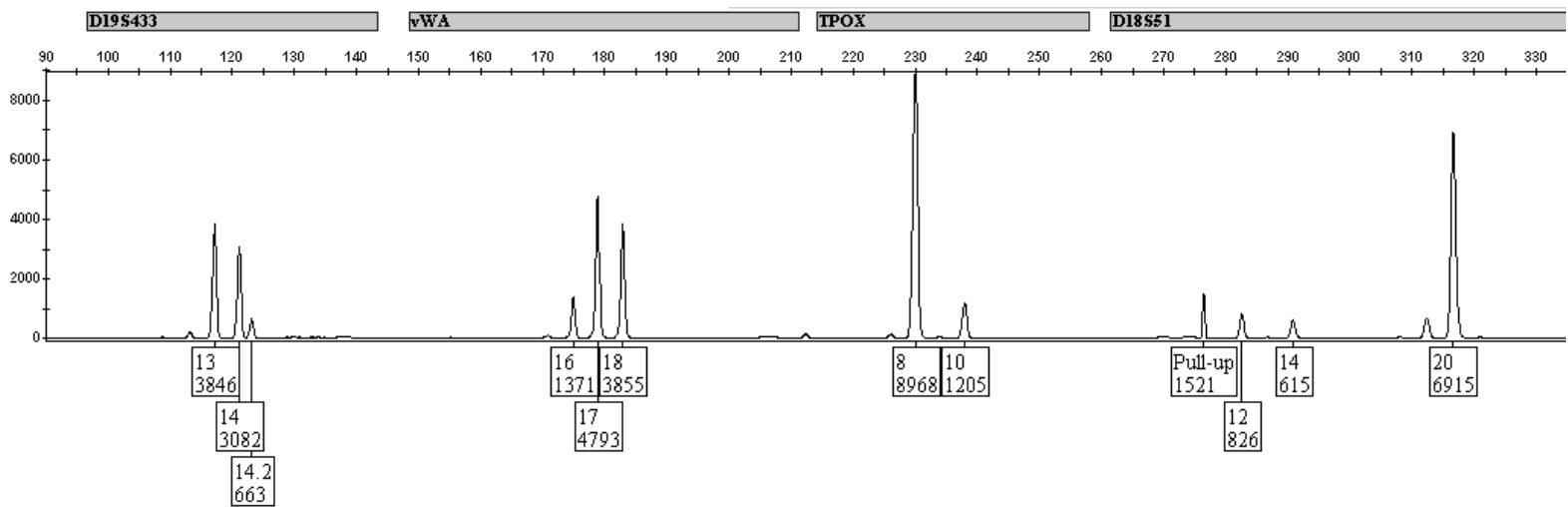


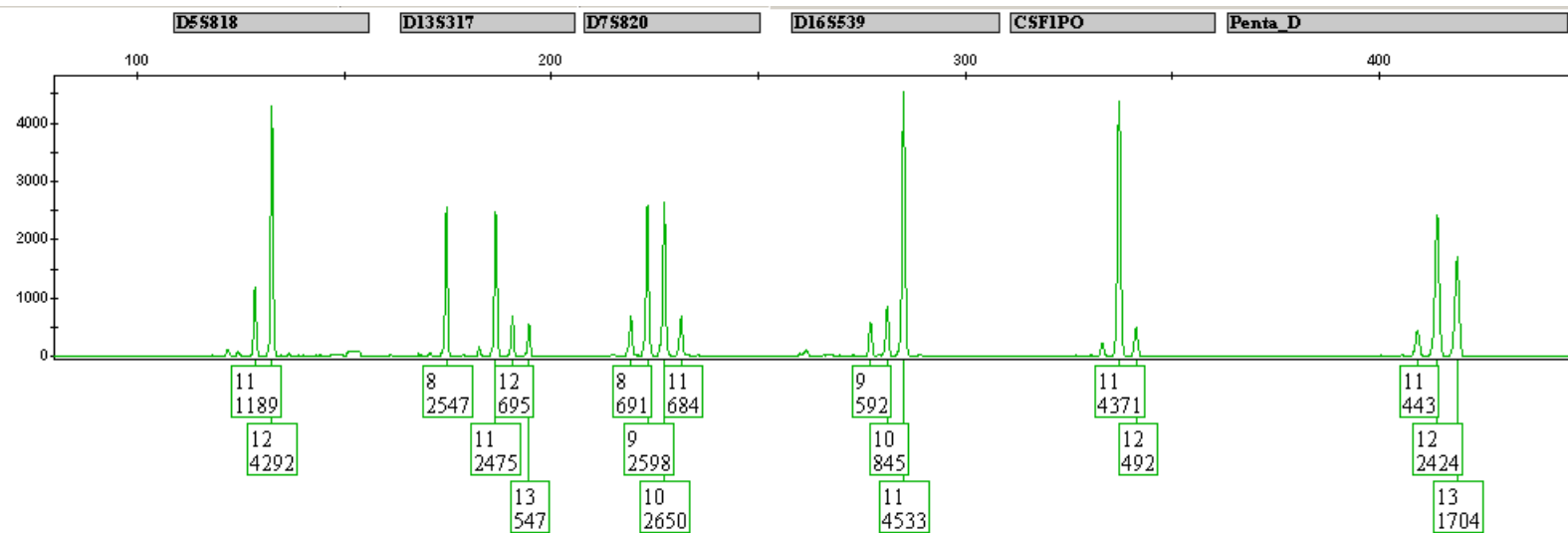
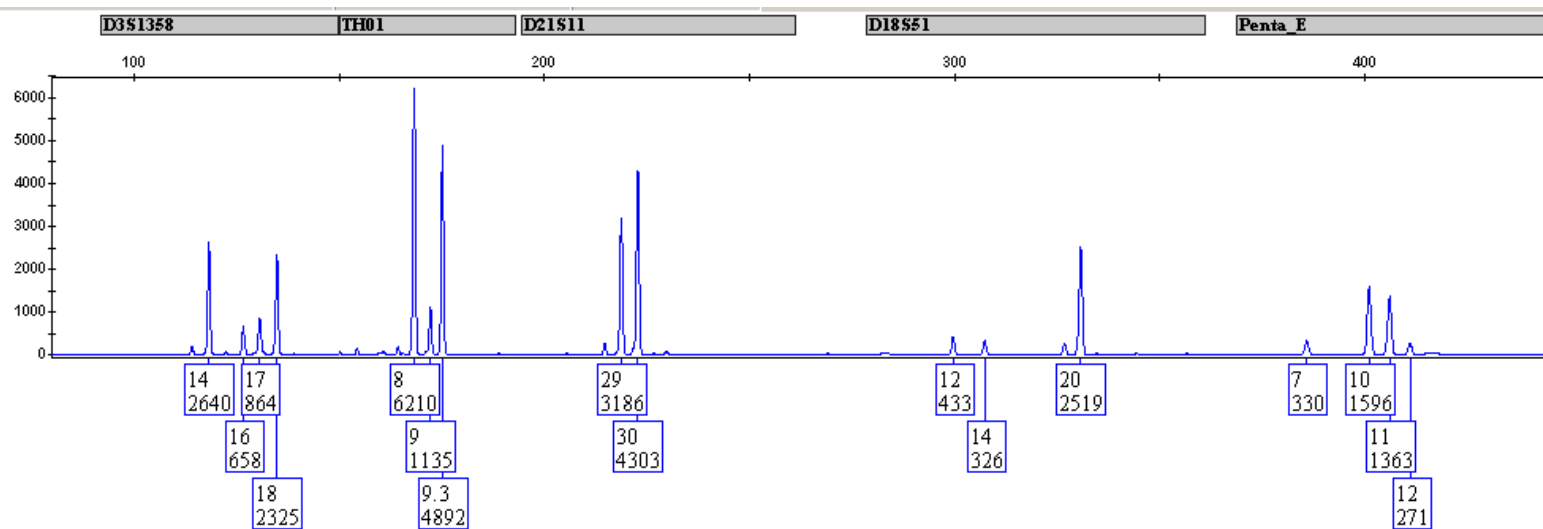
Mixture 1 ID-Plus





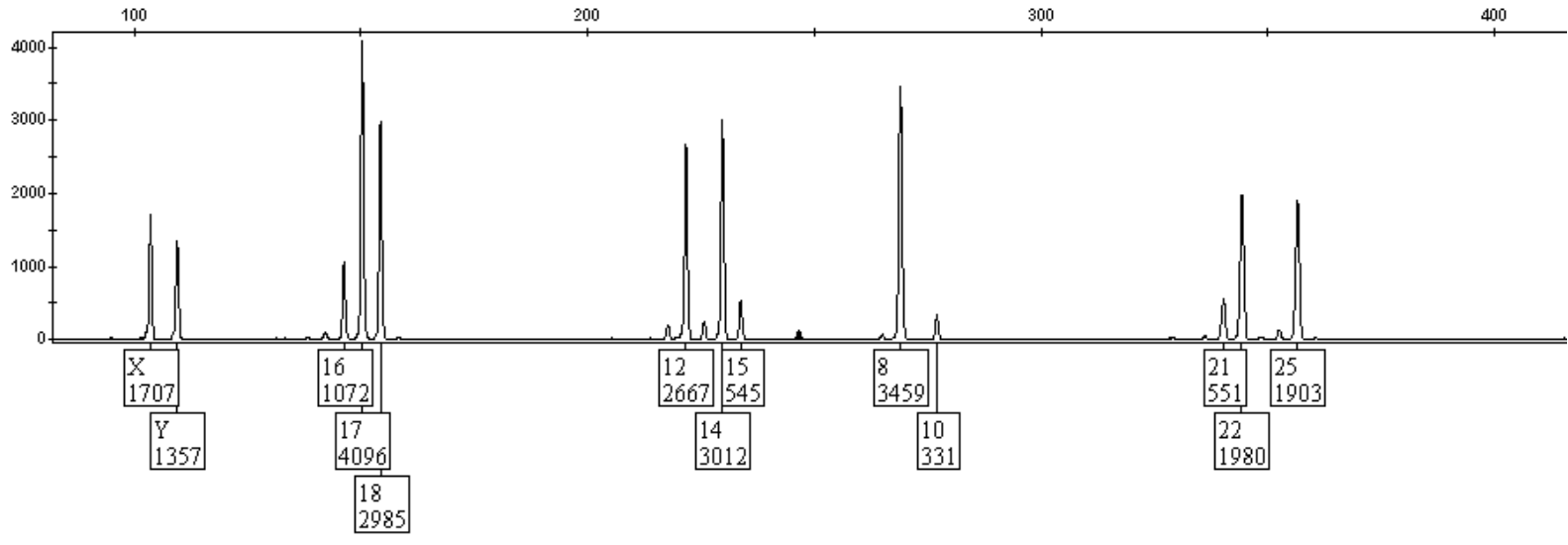




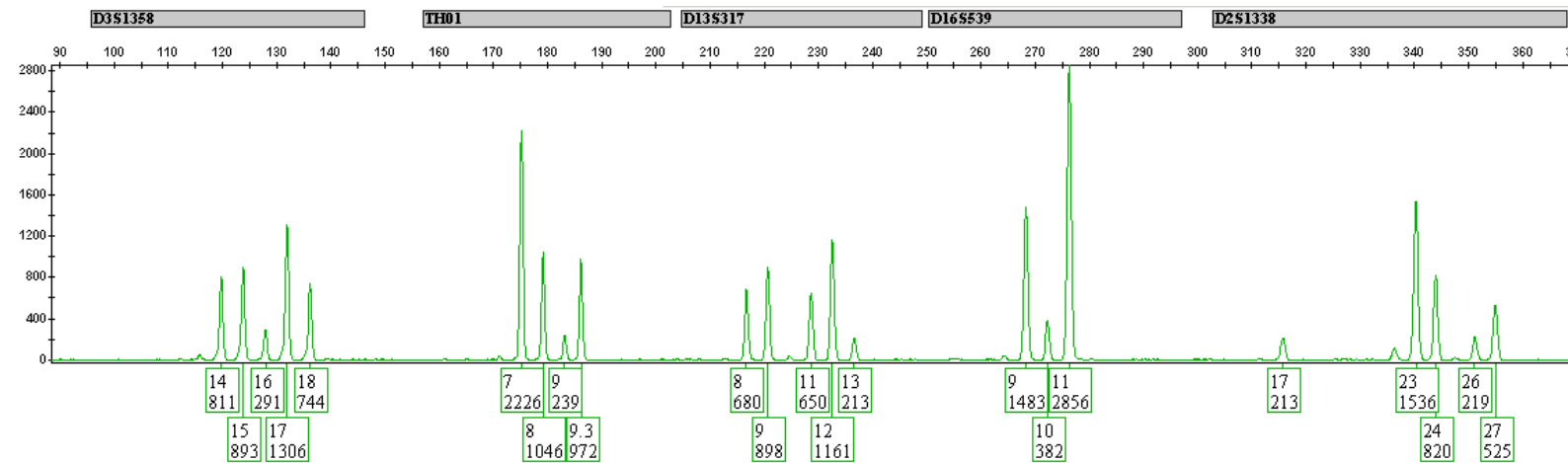
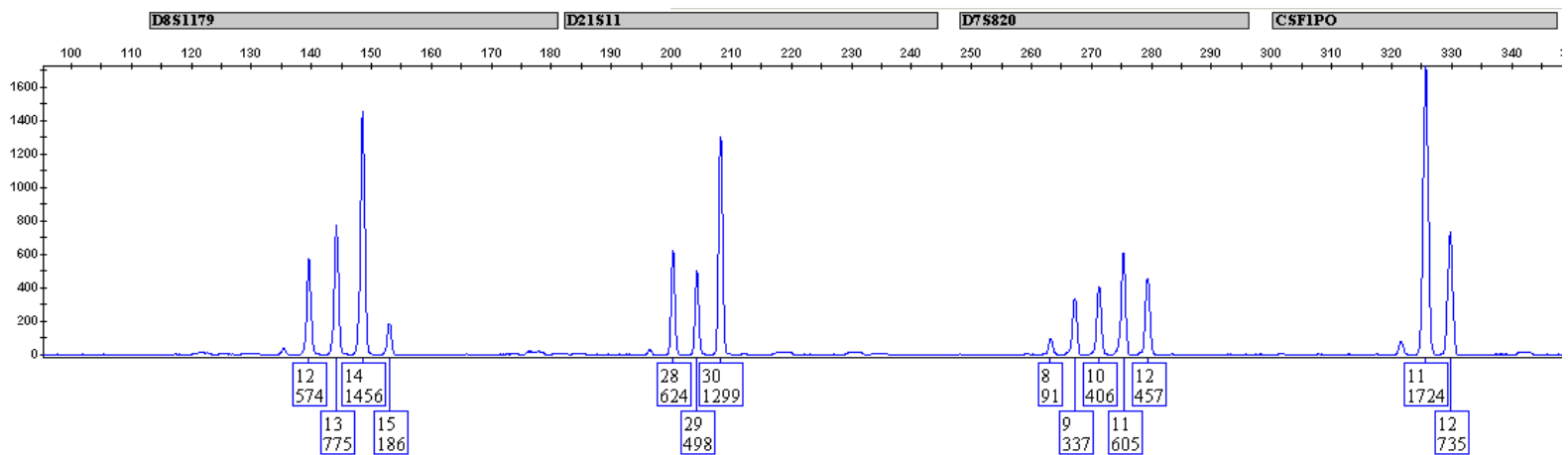


Mixture 2 PP16-HS

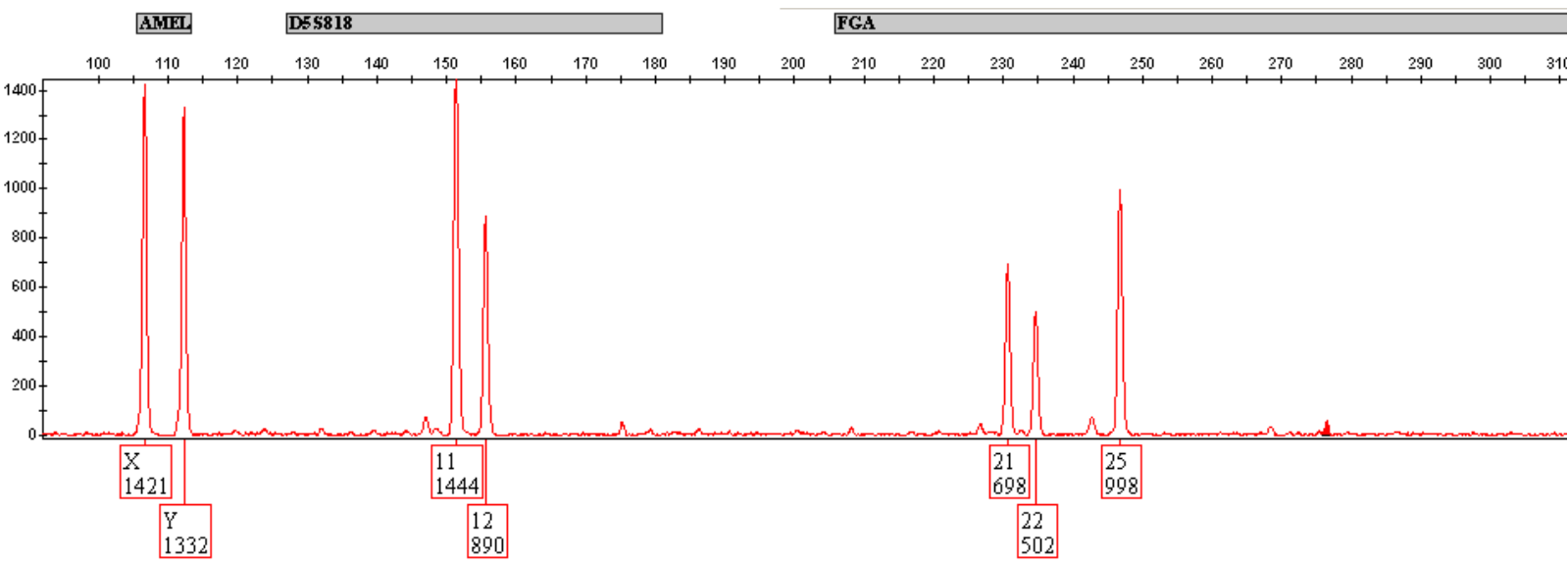
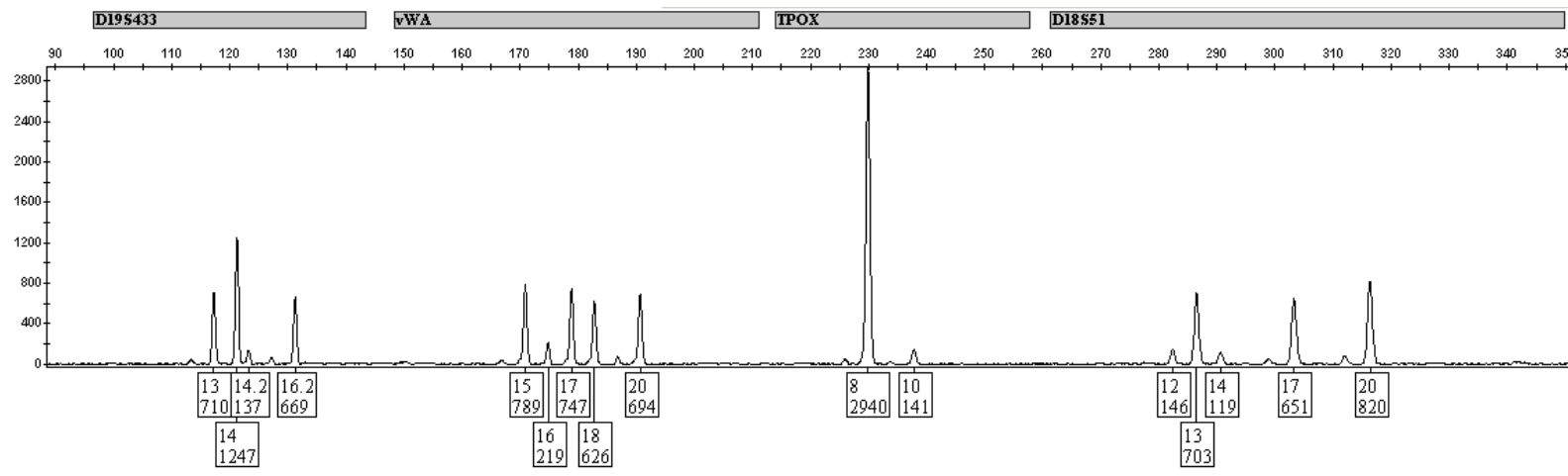
A... vWA D8S1179 TPOX FGA



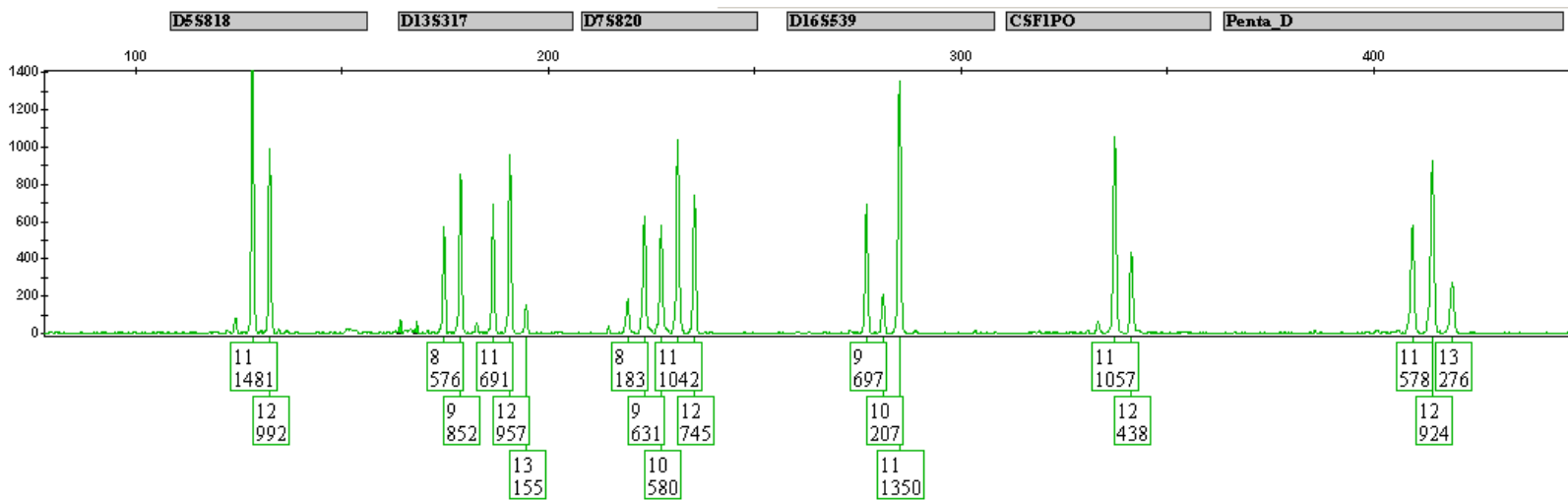
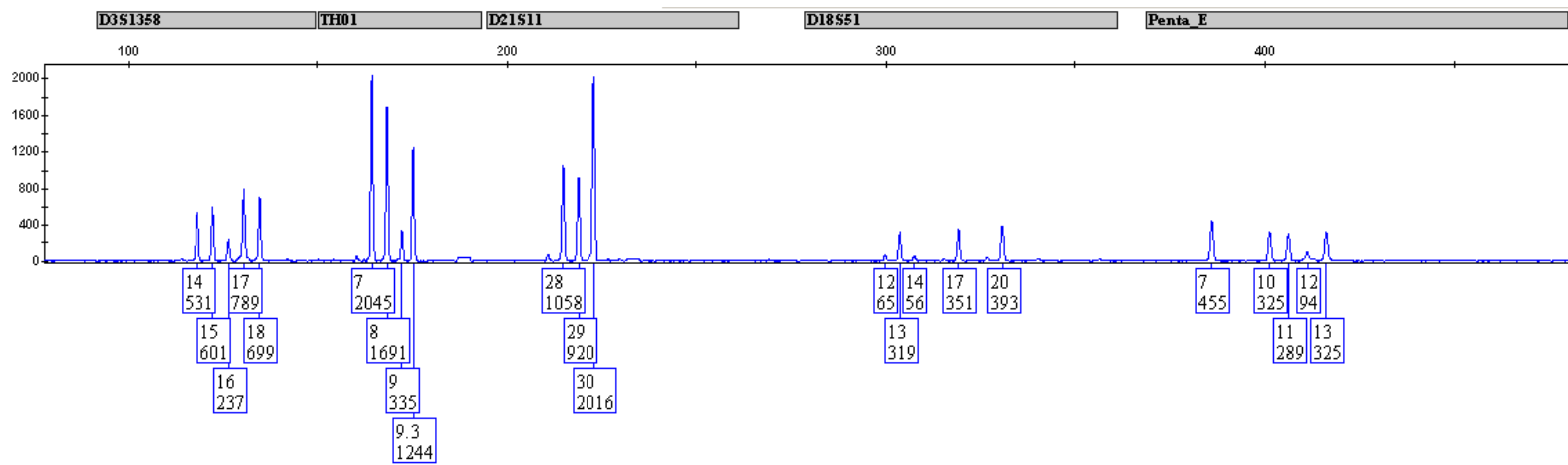




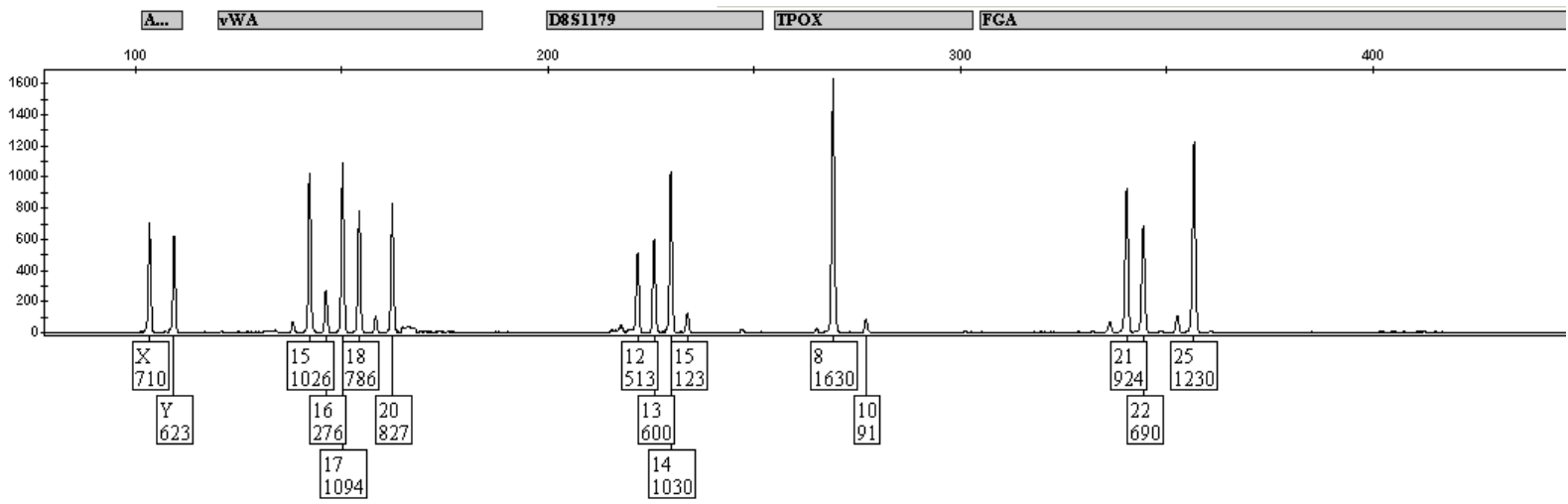
Mixture 3 ID-Plus

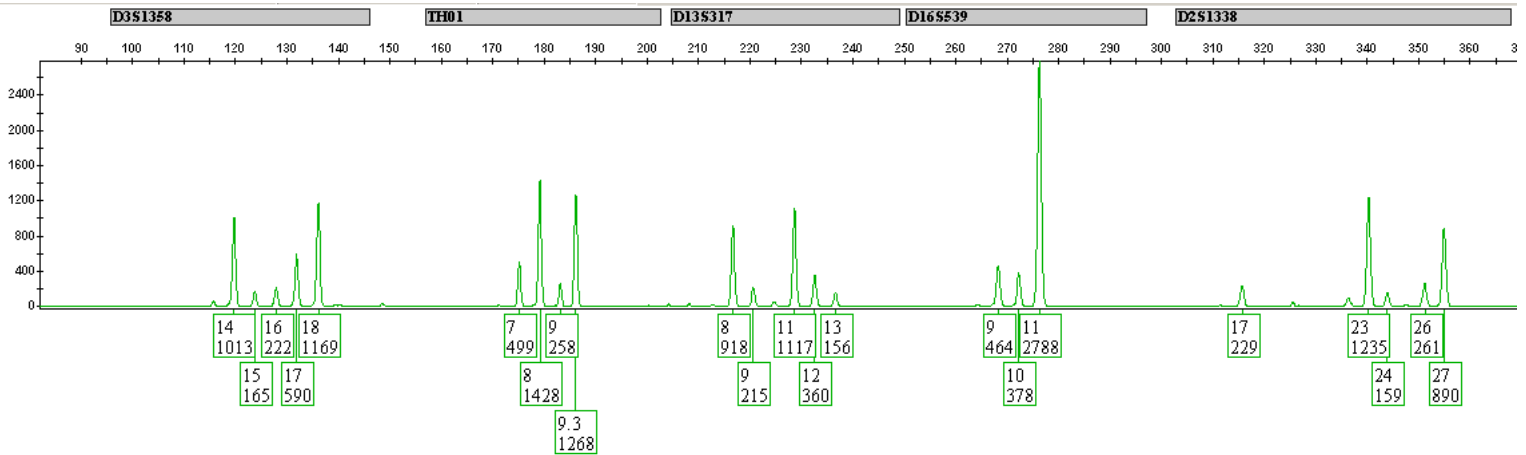
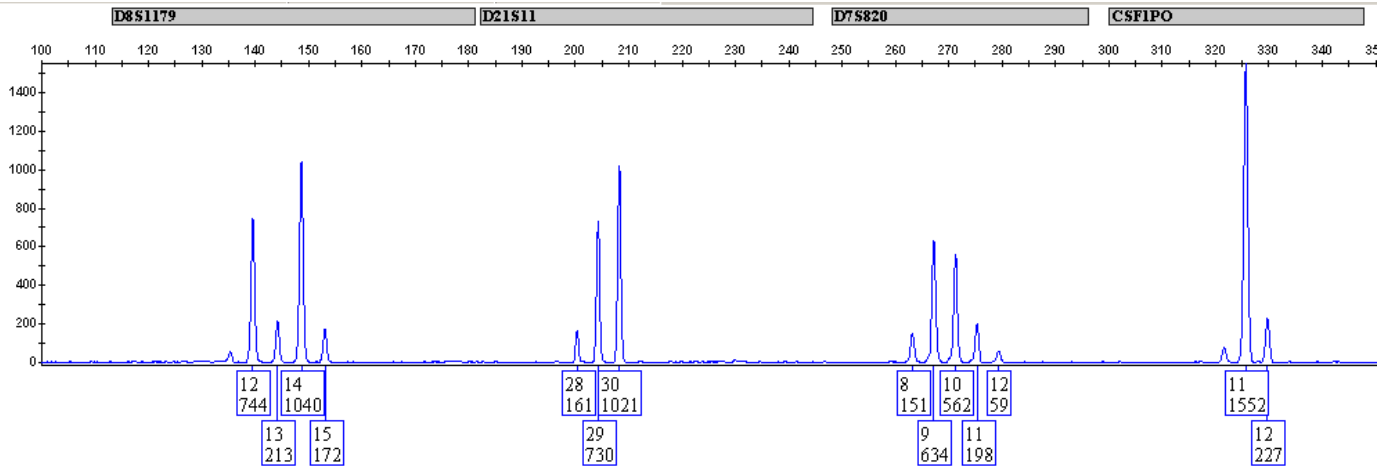


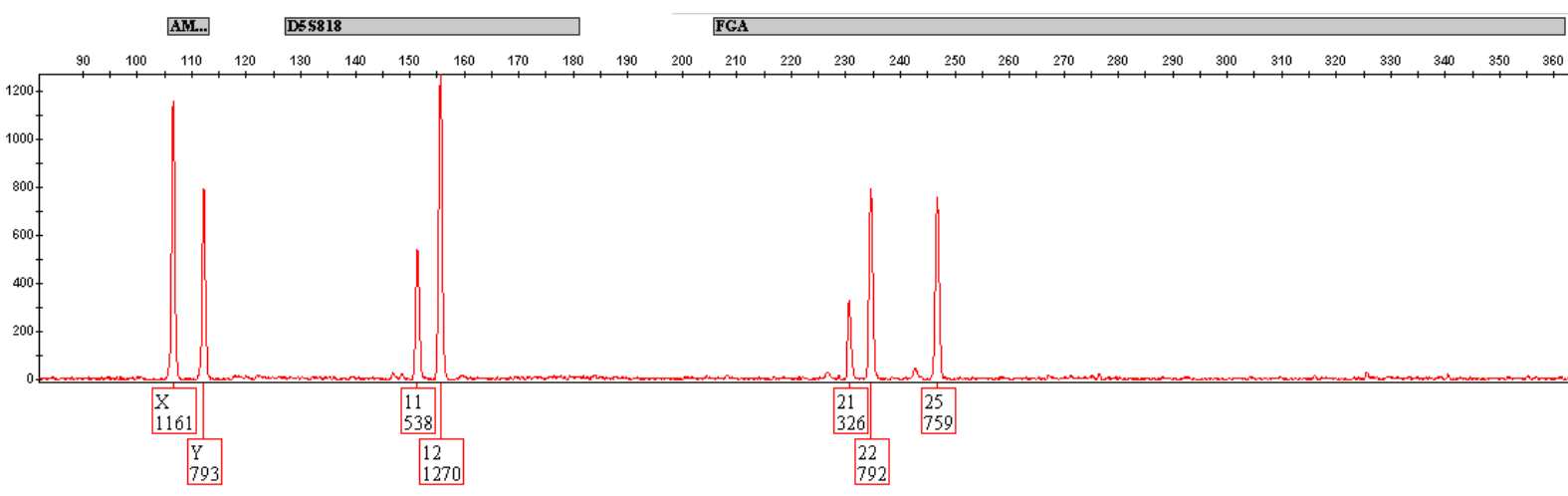
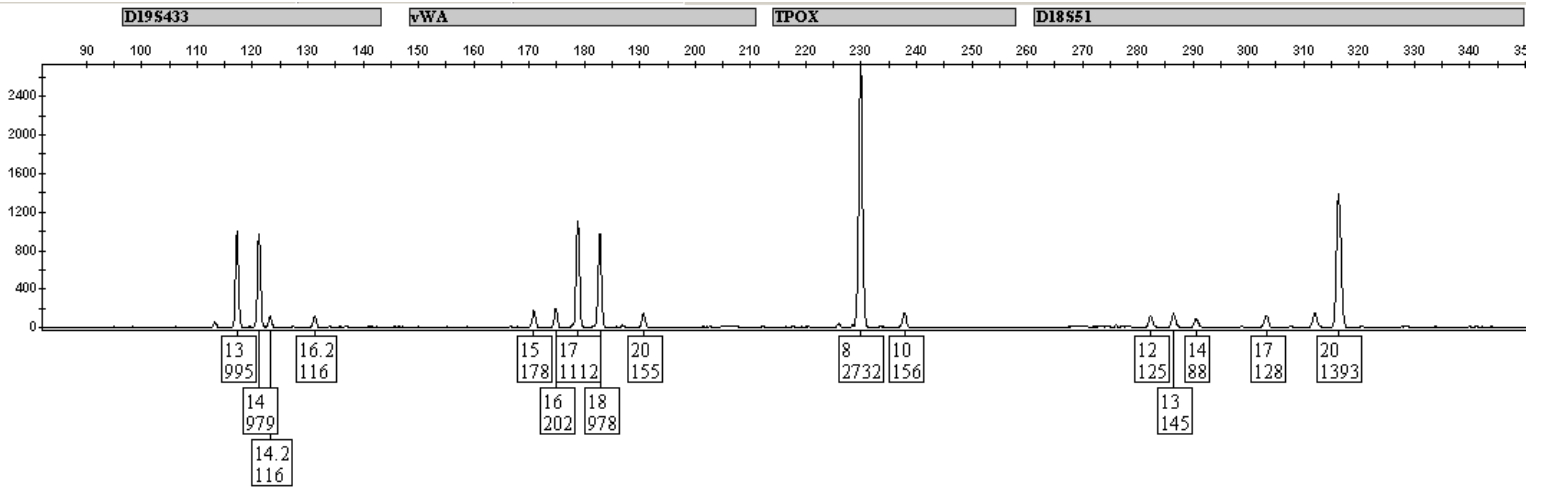
Mixture 3 ID-Plus



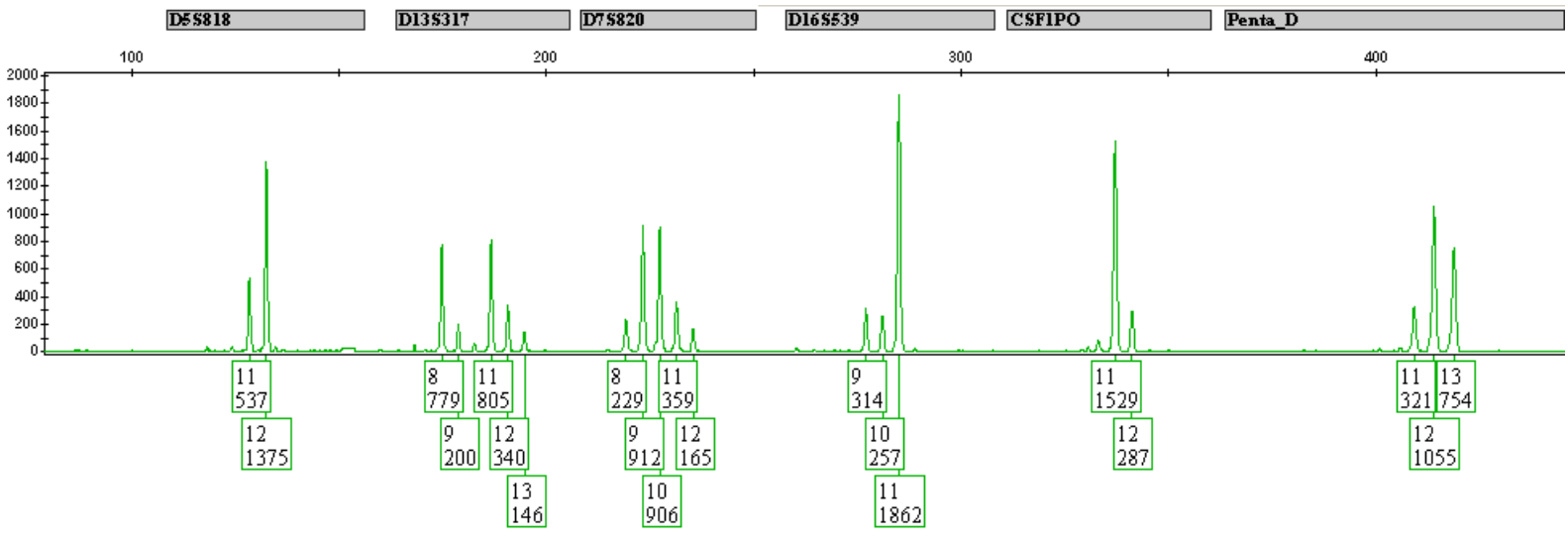
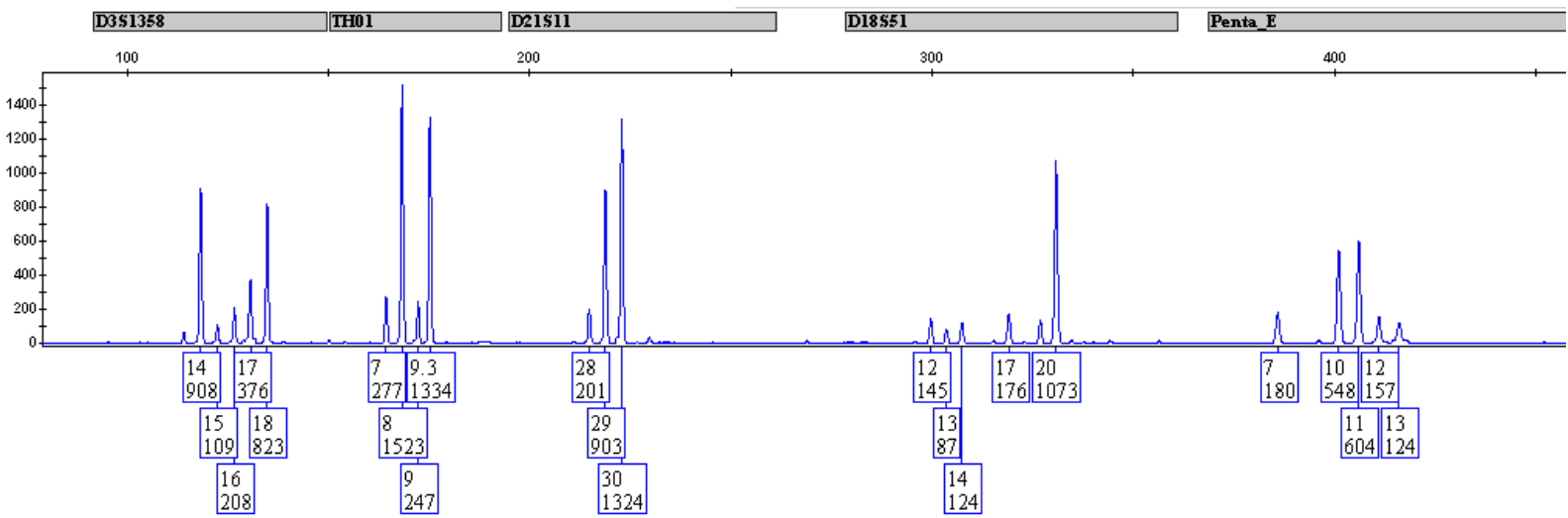
Mixture 3 PP16-HS







Mixture 4 ID-Plus



Mixture 4 PP16-HS

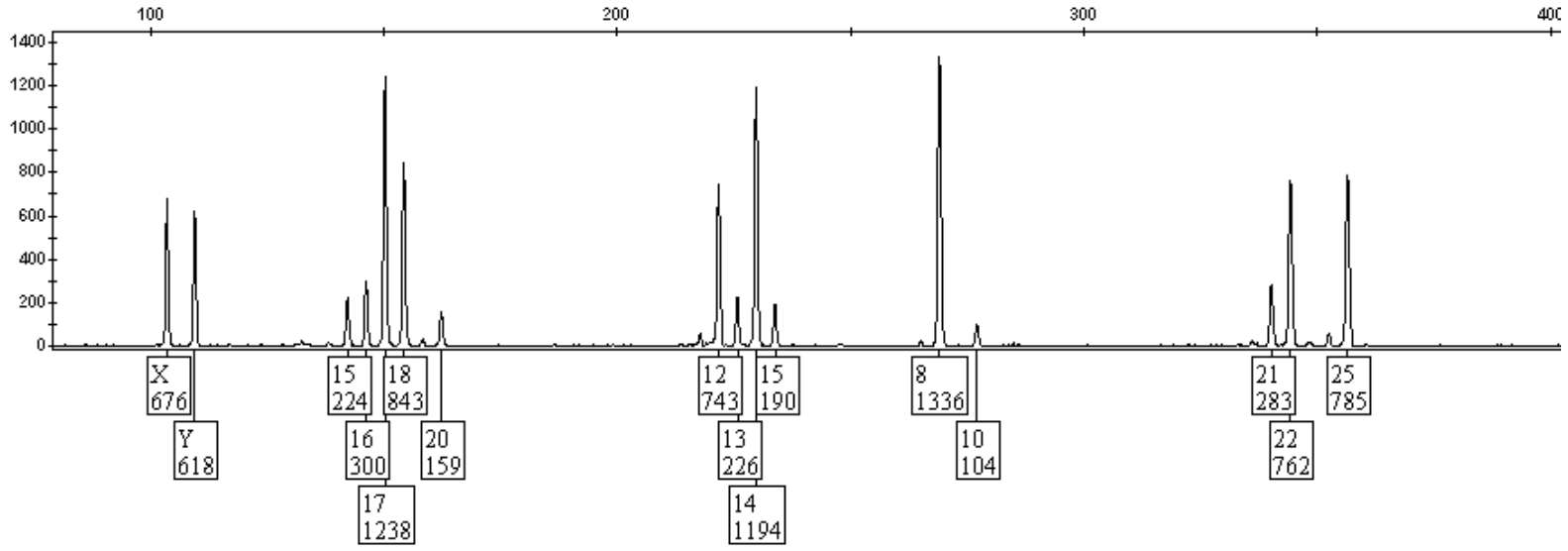
A...

vWA

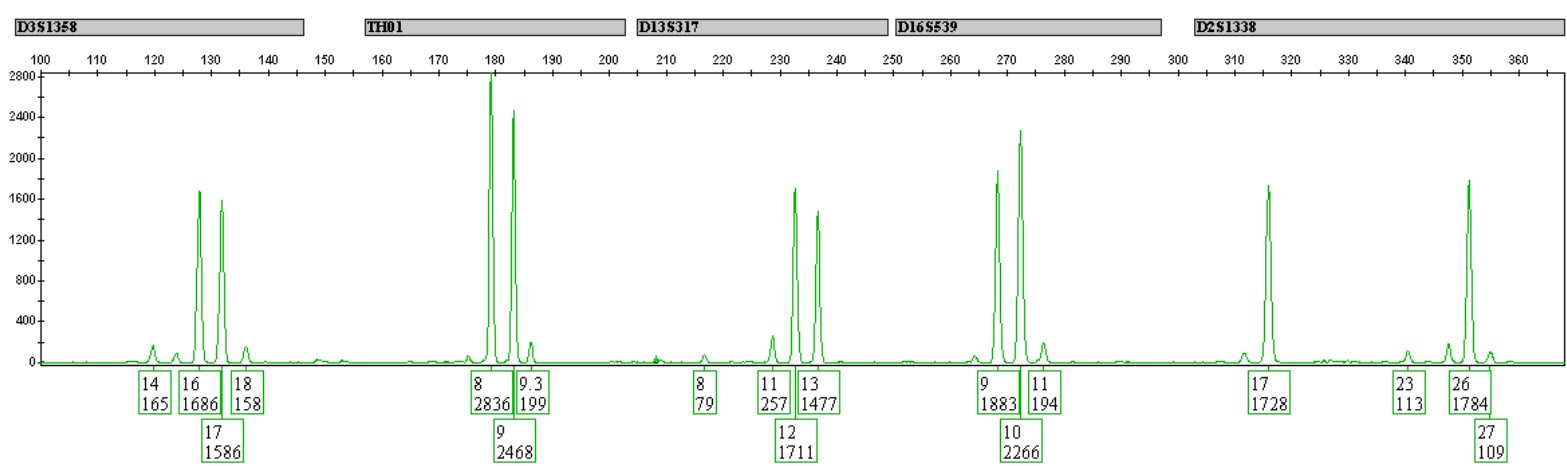
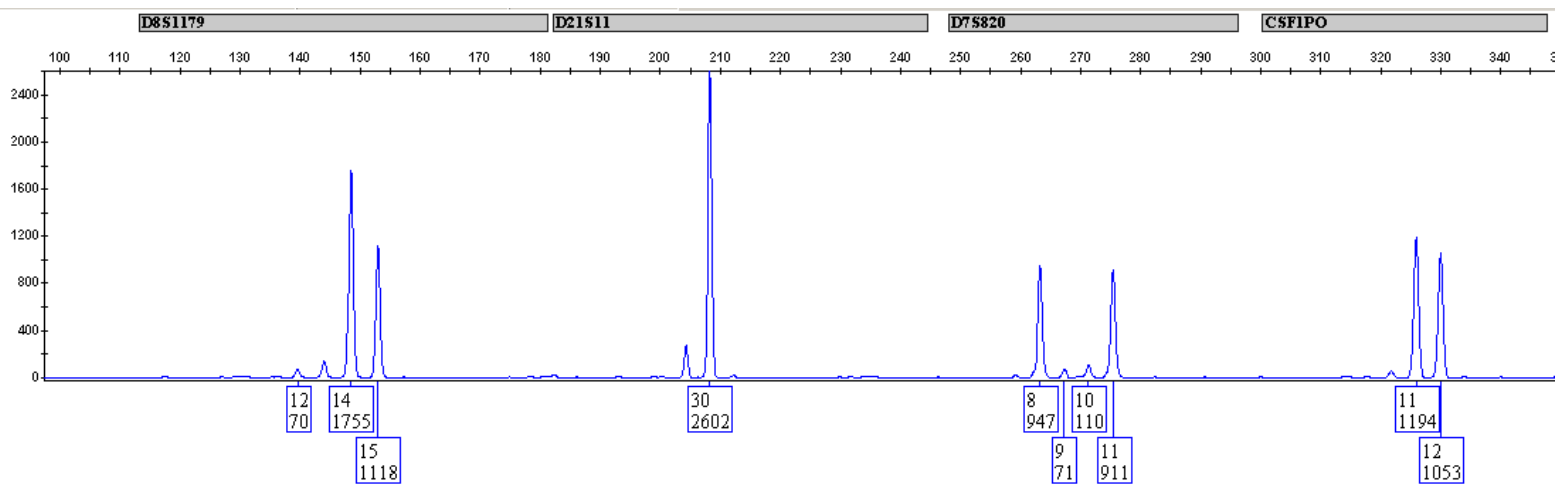
D8S1179

TPOX

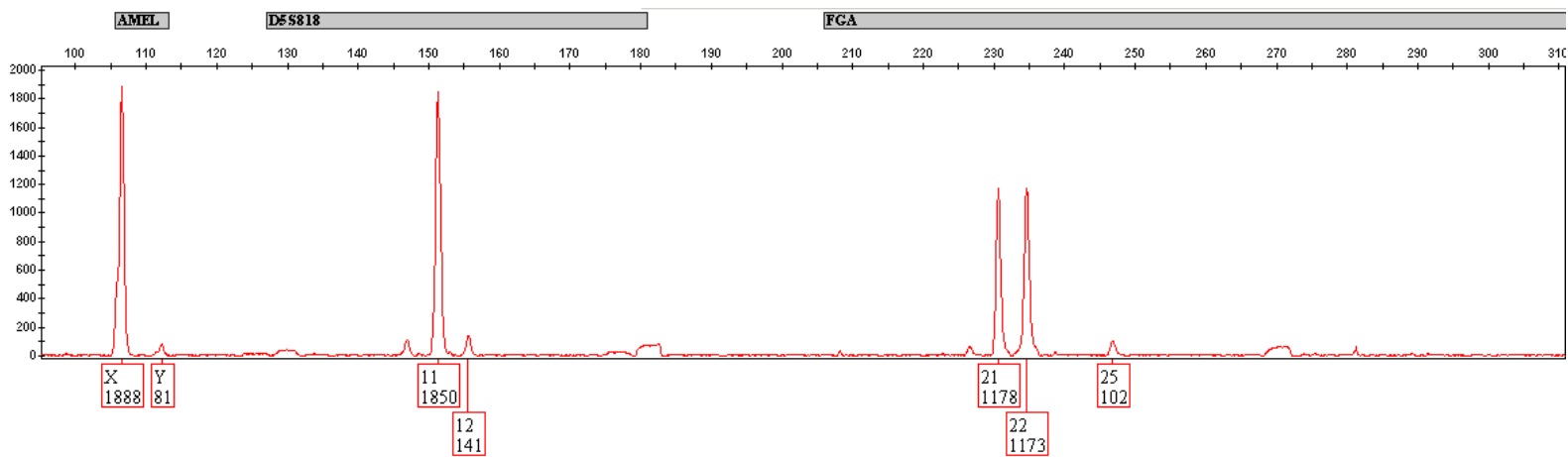
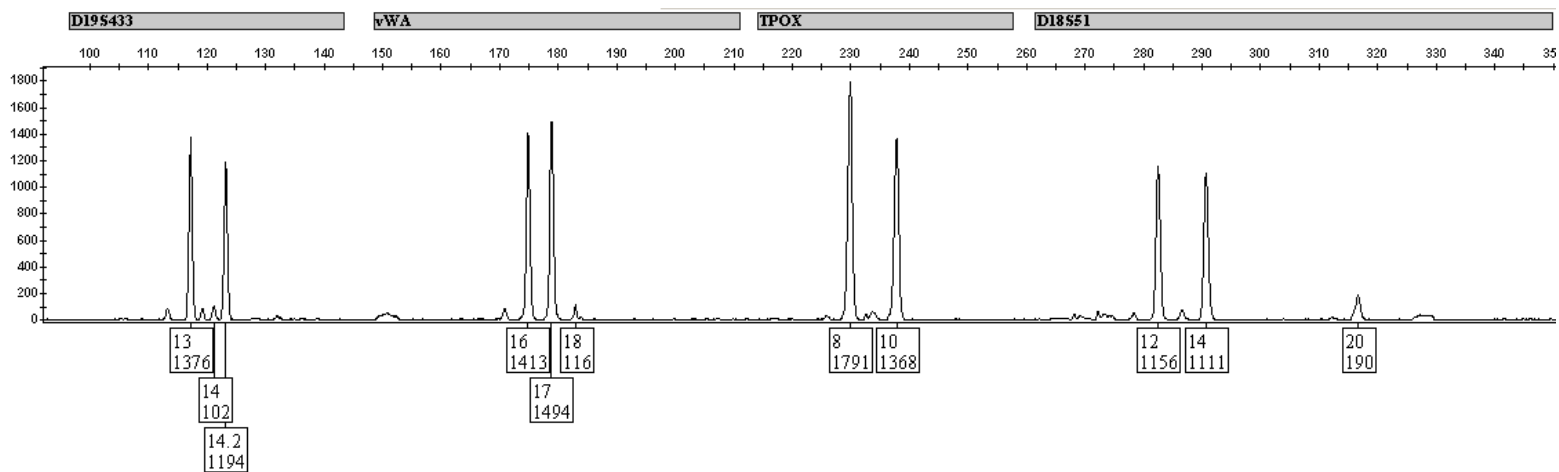
FGA



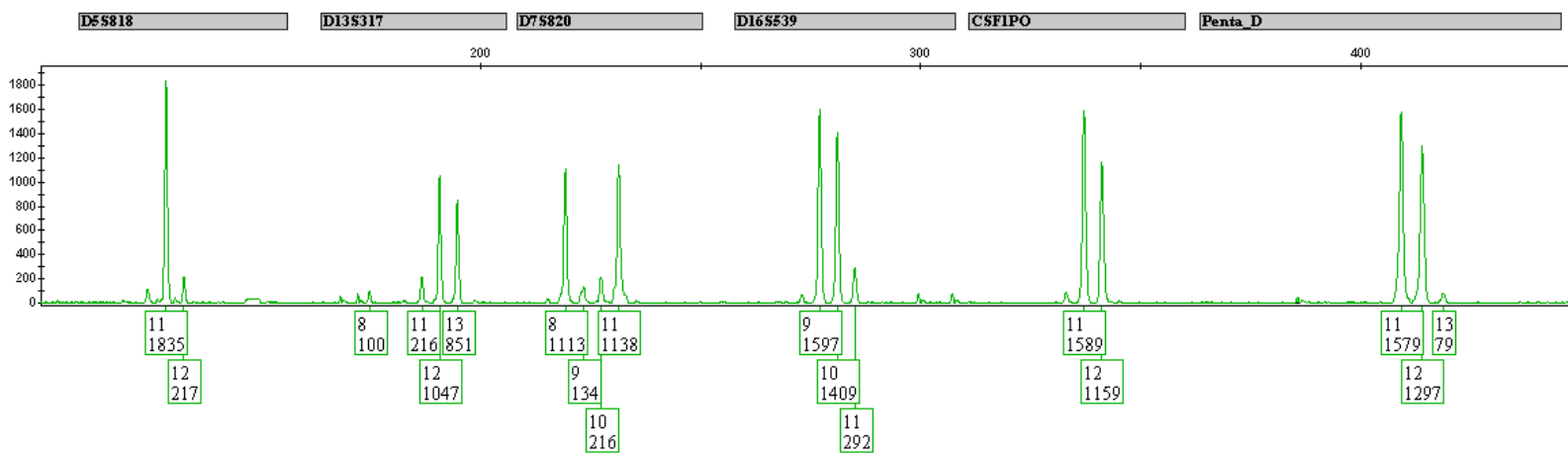
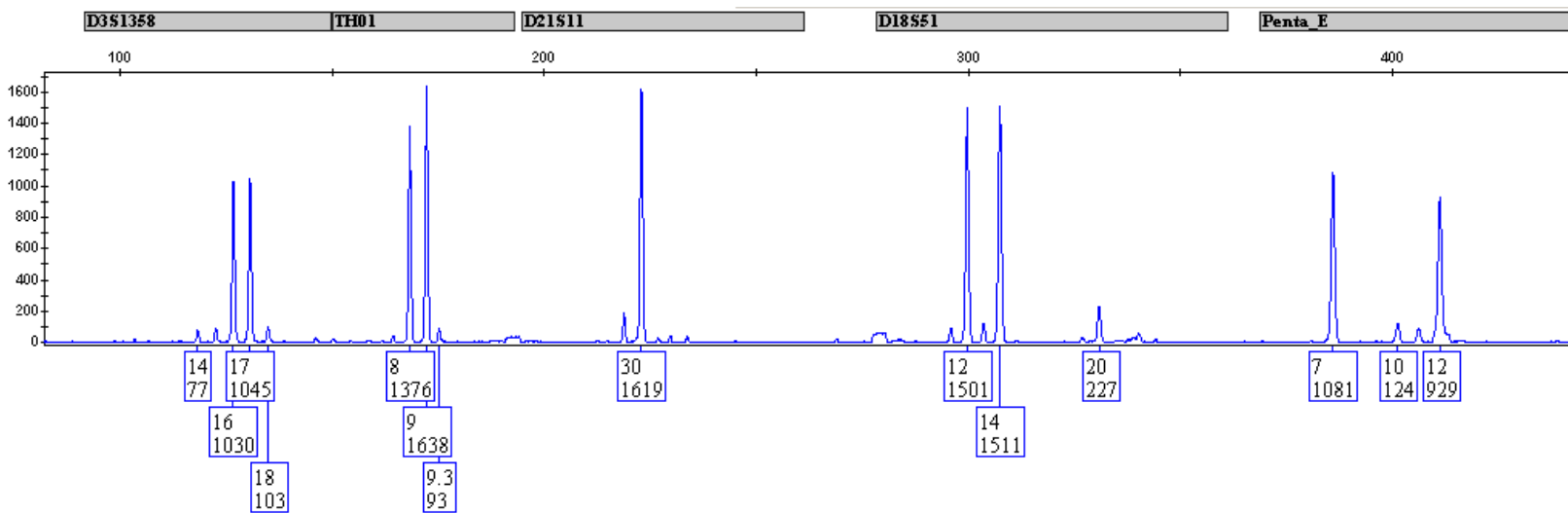




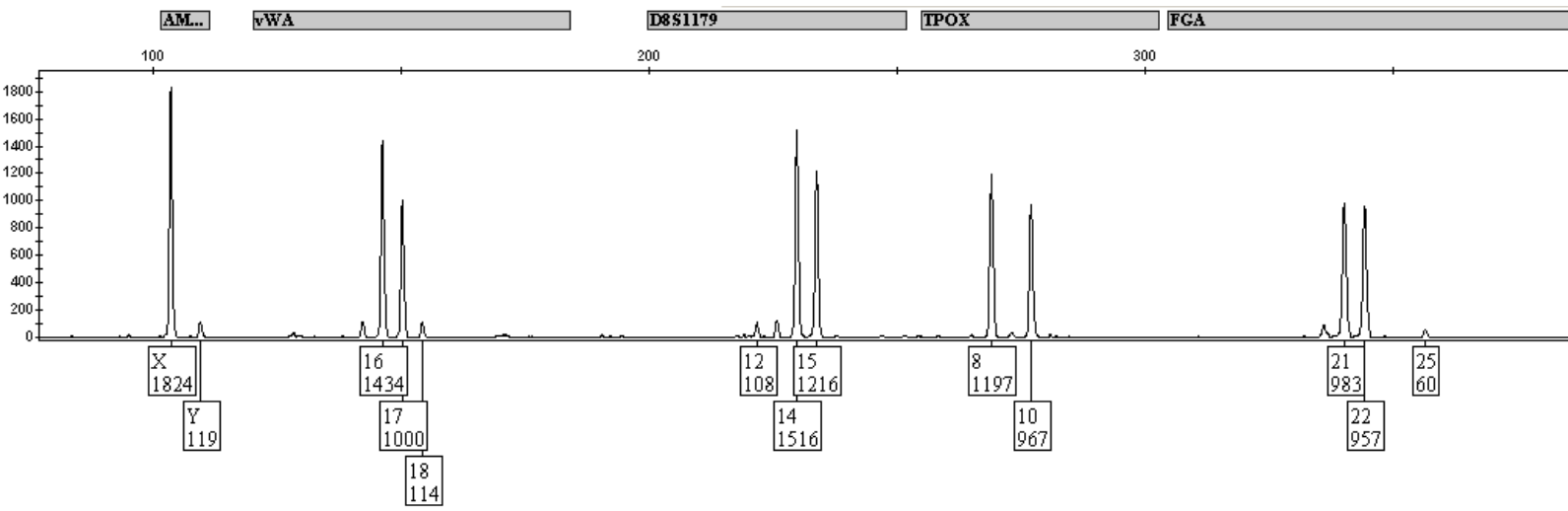
Mixture 5 ID-Plus



Mixture 5 ID-Plus



Mixture 5 PP16-HS



Mixture Contributors- Identifier Plus

Mixture- 50-50-

Loci	Contributor A	Contributor B
D8S1179	12,14	14,15
D21S11	29,30	30,30
D7S820	9,10	8,11
CSF1PO	11,11	11,12
D3S1358	14,18	16,17
TH01	8,9.3	8,9
D13S317	8,11	12,13
D16S539	11,11	9,10
D2S1338	23,27	17,26
D19S433	13,14	13,14.2
vWA	17,18	16,17
TPOX	8,8	8,10
D18S51	20,20	12,14
Amelogenin	X,Y	X,X
D5S818	12,12	11,11
FGA	22,25	21,22

Mixtures- 1Major-1Minor

Loci	Major	Minor
D8S1179	12,14	14,15
D21S11	29,30	30,30
D7S820	9,10	8,11
CSF1PO	11,11	11,12
D3S1358	14,18	16,17
TH01	8,9.3	8,9
D13S317	8,11	12,13
D16S539	11,11	9,10
D2S1338	23,27	17,26
D19S433	13,14	13,14.2
vWA	17,18	16,17
TPOX	8,8	8,10
D18S51	20,20	12,14
Amelogenin	X,Y	X,X
D5S818	12,12	11,11
FGA	22,25	21,22

Mixture- 1Major-1Low Level minor

Loci	Minor	Major
D8S1179	12,14	14,15
D21S11	29,30	30,30
D7S820	9,10	8,11
CSF1PO	11,11	11,12
D3S1358	14,18	16,17
TH01	8,9.3	8,9
D13S317	8,11	12,13
D16S539	11,11	9,10
D2S1338	23,27	17,26
D19S433	13,14	13,14.2
vWA	17,18	16,17
TPOX	8,8	8,10
D18S51	20,20	12,14
Amelogenin	X,Y	X,X
D5S818	12,12	11,11
FGA	22,25	21,22

Mixture 1-Major -2 Minors

Loci	Major	Minor 1	Minor 2
D8S1179	12,14	14,15	13,14
D21S11	29,30	30,30	28,30
D7S820	9,10	8,11	11,12
CSF1PO	11,11	11,12	11,12
D3S1358	14,18	16,17	15,17
TH01	8,9.3	8,9	7,7
D13S317	8,11	12,13	9,12
D16S539	11,11	9,10	9,11
D2S1338	23,27	17,26	23,24
D19S433	13,14	13,14.2	14,16.2
vWA	17,18	16,17	15,20
TPOX	8,8	8,10	8,8
D18S51	20,20	12,14	13,17
Amelogenin	X,Y	X,X	X,Y
D5S818	12,12	11,11	11,11
FGA	22,25	21,22	21,25

Mixture 2-Majors- 1Minor

Loci	Major 1	Minor	Major 2
D8S1179	12,14	14,15	13,14
D21S11	29,30	30,30	28,30
D7S820	9,10	8,11	11,12
CSF1PO	11,11	11,12	11,12
D3S1358	14,18	16,17	15,17
TH01	8,9.3	8,9	7,7
D13S317	8,11	12,13	9,12
D16S539	11,11	9,10	9,11
D2S1338	23,27	17,26	23,24
D19S433	13,14	13,14.2	14,16.2
vWA	17,18	16,17	15,20
TPOX	8,8	8,10	8,8
D18S51	20,20	12,14	13,17
Amelogenin	X,Y	X,X	X,Y
D5S818	12,12	11,11	11,11
FGA	22,25	21,22	21,25

Mixture Contributors- PPllex16HS

Mixture- 50-50- HS

Loci	Contributor A	Contributor B
D3S1358	14,18	16,17
TH01	8,9,3	8,9
D21S11	29,30	30,30
D18S51	20,20	12,14
Penta E	10,11	7,12
D5S818	12,12	11,11
D13S317	8,11	12,13
D7S820	9,10	8,11
D16S539	11,11	9,10
CSF1PO	11,11	11,12
Penta D	12,13	11,12
Amelogenin	X,Y	X,X
vWA	17,18	16,17
D8S1179	12,14	14,15
TPOX	8,8	8,10
FGA	22,25	21,22

Mixtures– 1Major-1Minor

Loci	Major	Minor
D3S1358	14,18	16,17
TH01	8,9,3	8,9
D21S11	29,30	30,30
D18S51	20,20	12,14
Penta E	10,11	7,12
D5S818	12,12	11,11
D13S317	8,11	12,13
D7S820	9,10	8,11
D16S539	11,11	9,10
CSF1PO	11,11	11,12
Penta D	12,13	11,12
Amelogenin	X,Y	X,X
vWA	17,18	16,17
D8S1179	12,14	14,15
D19S433	13,14	13,14.2
TPOX	8,8	8,10
FGA	22,25	21,22



Mixture- 1Major-1Low Level Minor

Loci	Minor	Major
D3S1358	14,18	16,17
TH01	8,9.3	8,9
D21S11	29,30	30,30
D18S51	20,20	12,14
Penta E	10,11	7,12
D5S818	12,12	11,11
D13S317	8,11	12,13
D7S820	9,10	8,11
D16S539	11,11	9,10
CSF1PO	11,11	11,12
Penta D	12,13	11,12
Amelogenin	X,Y	X,X
vWA	17,18	16,17
D8S1179	12,14	14,15
TPOX	8,8	8,10
FGA	22,25	21,22

Mixture 1-Major -2 Minor

Loci	Major	Minor 1	Minor 2
D3S1358	14,18	16,17	15,17
TH01	8,9.3	8,9	7,7
D21S11	29,30	30,30	28,30
D18S51	20,20	12,14	13,17
Penta E	10,11	7,12	7,13
D5S818	12,12	11,11	11,11
D13S317	8,11	12,13	9,12
D7S820	9,10	8,11	11,12
D16S539	11,11	9,10	9,11
CSF1PO	11,11	11,12	11,12
Penta D	12,13	11,12	11,12
Amelogenin	X,Y	X,X	X,Y
vWA	17,18	16,17	15,20
D8S1179	12,14	14,15	13,14
TPOX	8,8	8,8	8,10
FGA	22,25	21,22	21,25

Mixture 2-Majors- 1Minor

Loci	Major 1	Minor	Major 2
D3S1358	14,18	16,17	15,17
TH01	8,9,3	8,9	7,7
D21S11	29,30	30,30	28,30
D18S51	20,20	12,14	13,17
Penta E	10,11	7,12	7,13
D5S818	12,12	11,11	11,11
D13S317	8,11	12,13	9,12
D7S820	9,10	8,11	11,12
D16S539	11,11	9,10	9,11
CSF1PO	11,11	11,12	11,12
Penta D	12,13	11,12	11,12
Amelogenin	X,Y	X,X	X,Y
vWA	17,18	16,17	15,20
D8S1179	12,14	14,15	13,14
TPOX	8,8	8,8	8,10
FGA	22,25	21,22	21,25