

## 测试报告

样品信息			
样品名称	精华水	编号	SHZ-20230422-004
样品重量	/	剂型	/
收样日期	2023/05/19	测试期间	2023/05/19-2023/05/23
样品描述	/		
测试需求			
测试成分	哈西奈德、泼尼卡酯、氯替泼诺、阿氯米松双丙酸酯、安西奈德、卤倍他索丙酸酯、氟替卡松丙酸酯、莫米他松糠酸酯、醋酸甲地孕酮、醋酸氯地孕酮、倍他米松双丙酸酯、黄体酮、醋酸甲羟孕酮、倍氯米松双丙酸酯、双氟可龙戊酸酯、己酸羟孕酮、氯倍他松双丙酸酯、		
参考标准			
参考标准	化妆品安全技术规范（2015 版）	标样	有
仪器信息			
测试仪器	高效液相色串联质谱仪	仪器型号	Xevo TQ-S micro

### ● 色谱条件:

色谱柱:	月旭 Xtimate® UHPLC C18 2.1×150mm, 1.8μm		
流动相:	时间	流动相 A: (水) %	流动相 B: (乙腈) %
	0.00	95	5
	24.00	15	85
	26.00	15	85
	27.00	95	5
	31.00	95	5
柱温:	40 °C		
流速:	0.3 mL/min		



进样量：	5 $\mu$ L
注意事项	本次测试采用基质曲线。

● 流动相的配置：

流动相 A：纯化水

流动相 B：乙腈

● 质谱条件：

离子源：ESI

检测方式：MRM

干燥气：氮气，450°C，流速：1000 L/Hr

碰撞气：氩气

离子喷雾电压：1.0 kV

名称	母离子 (m/z)	子离子 (m/z)	Cone (V)	Collisio26n (V)	Polarity
哈西奈德	4552	91.0	76	72	Positive
		105.1		60	
泼尼卡酯	489.3	57.1	28	32	Positive
		115.0		16	
氯替泼诺	467.2	265.2	30	16	Positive
		359.1		12	
阿氯米松双丙酸酯	521.2	57.1	38	48	Positive
		301.2		14	
安西奈德	503.3	339.2	38	14	Positive
		399.2		10	
卤倍他索丙酸酯	485.2	77.1	48	80	Positive
		353.2		16	
氟替卡松丙酸酯	501.2	293.2	36	16	Positive
		313.2		12	
莫米他松糠酸酯	521.2	355.2	32	14	Positive



		503.1		10	
醋酸甲地孕酮	385.3	267.3	32	16	Positive
		325.3		14	
醋酸氯地孕酮	405.3	309.2	40	14	Positive
		345.2		14	
倍他米松双丙酸酯	505.3	57.1	36	50	Positive
		411.3		10	
黄体酮	315.2	97.1	44	20	Positive
		315.2		28	
醋酸甲羟孕酮	387.2	97.1	34	32	Positive
		327.3		14	
倍氯米松双丙酸酯	521.3	57.1	38	44	Positive
		503.3		10	
双氟可龙戊酸酯	479.3	57.1	38	46	Positive
		85.1		24	
己酸羟孕酮	429.4	109.0	40	30	Positive
		313.2		14	
氯倍他松双丙酸酯	467.2	355.2	30	12	Positive
		373.2		10	

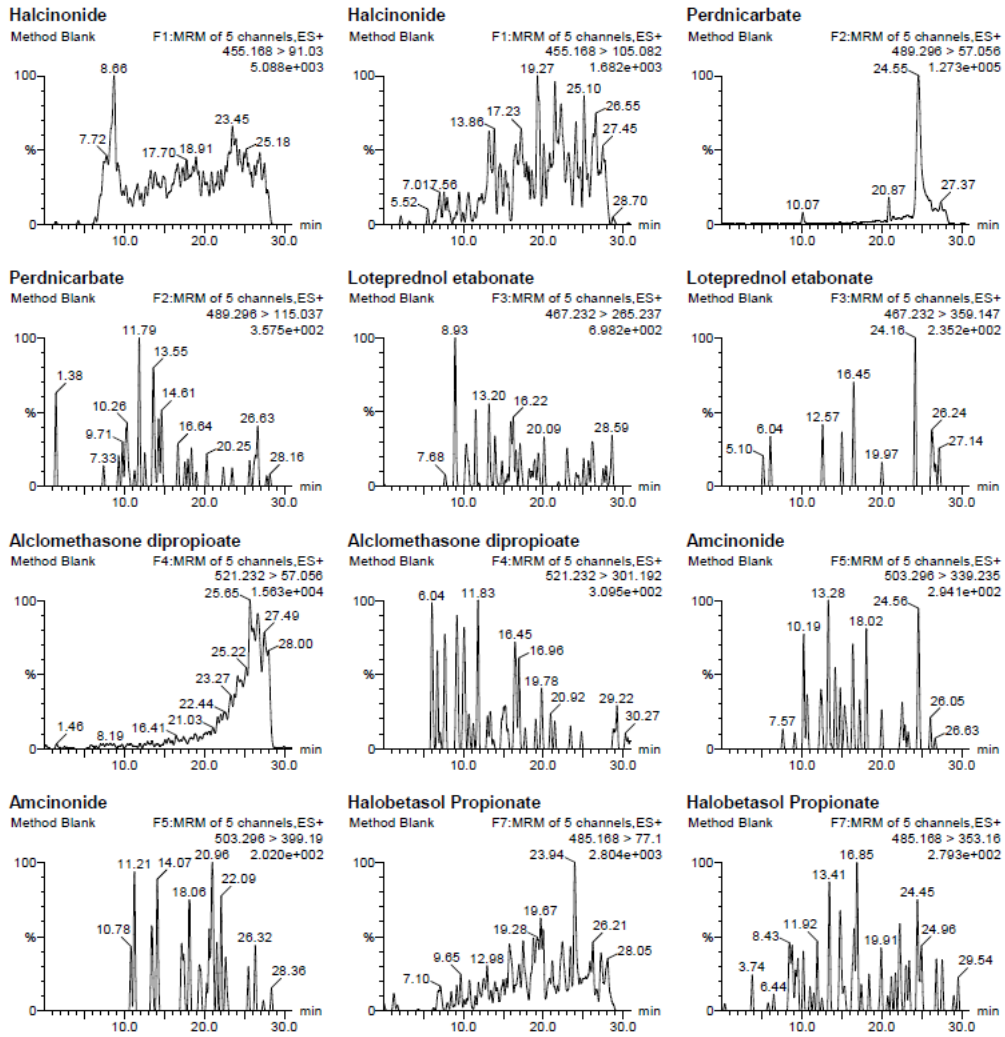
## ● 样品溶液的配制：

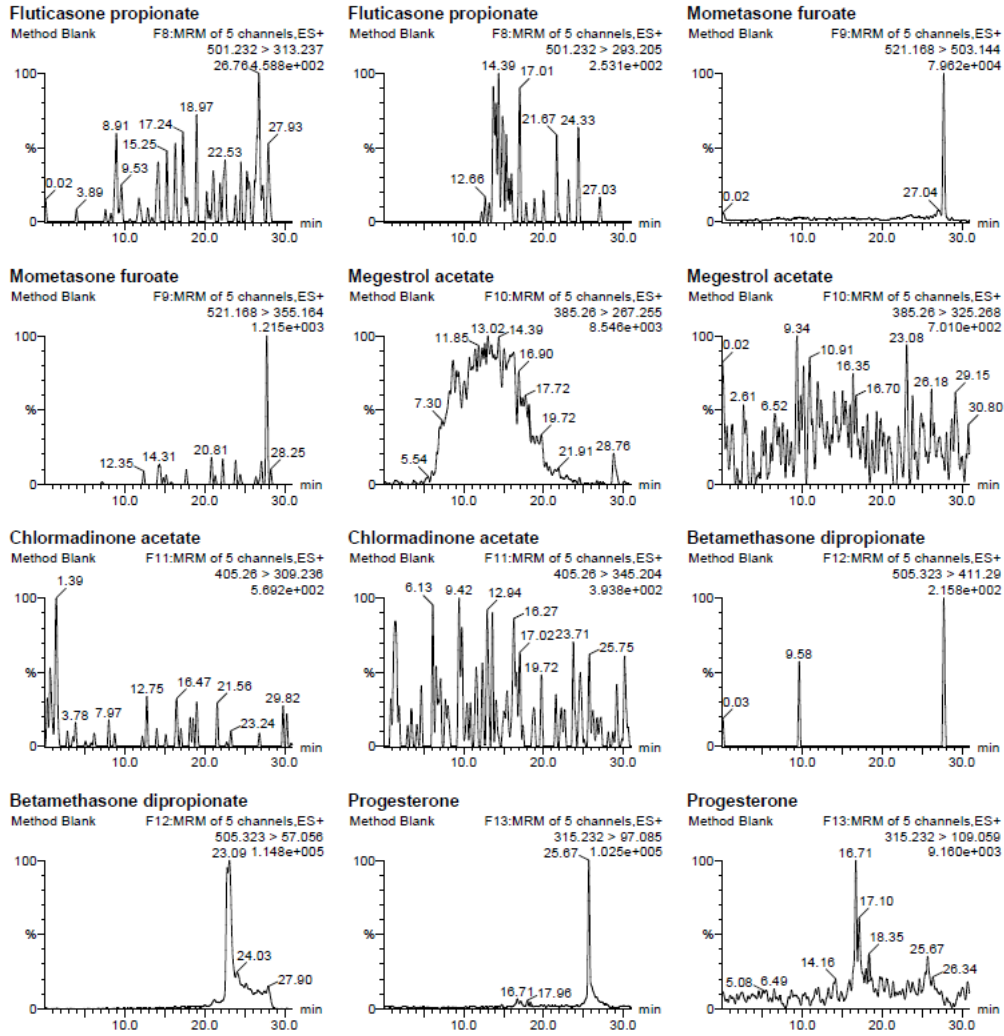
样品溶液：称取 0.2 g 样品，置于 10 mL 具塞比色管中，加入少量乙腈，于涡旋混合仪上振荡 30 s，混合均匀后加乙腈至接近刻度，超声提取 20 min，静置至室温，用乙腈定容至刻度，摇匀，以 4000 r/min 离心 10 min。过滤，取适量上清液用 50 % 乙腈溶液稀释，过 0.22 μm 膜，上机分析。

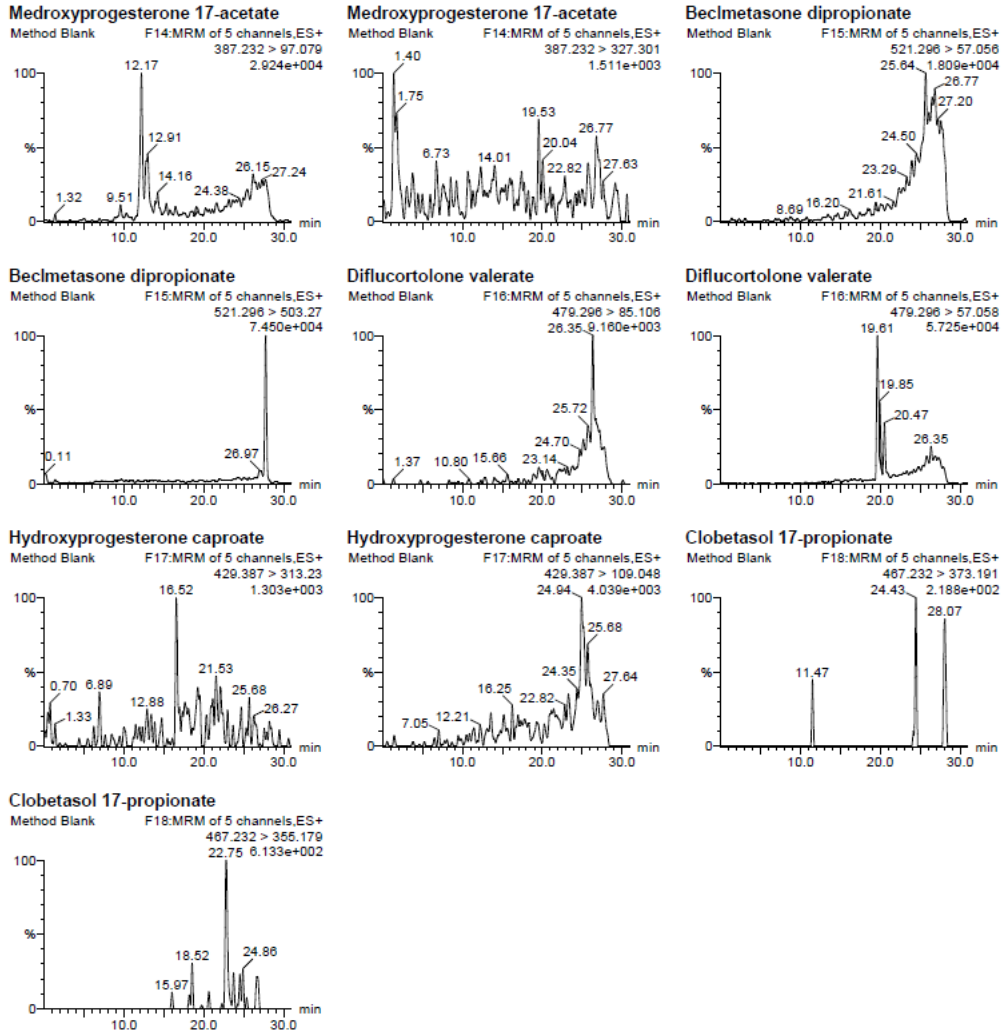
## 谱图和数据

### (1) 空白







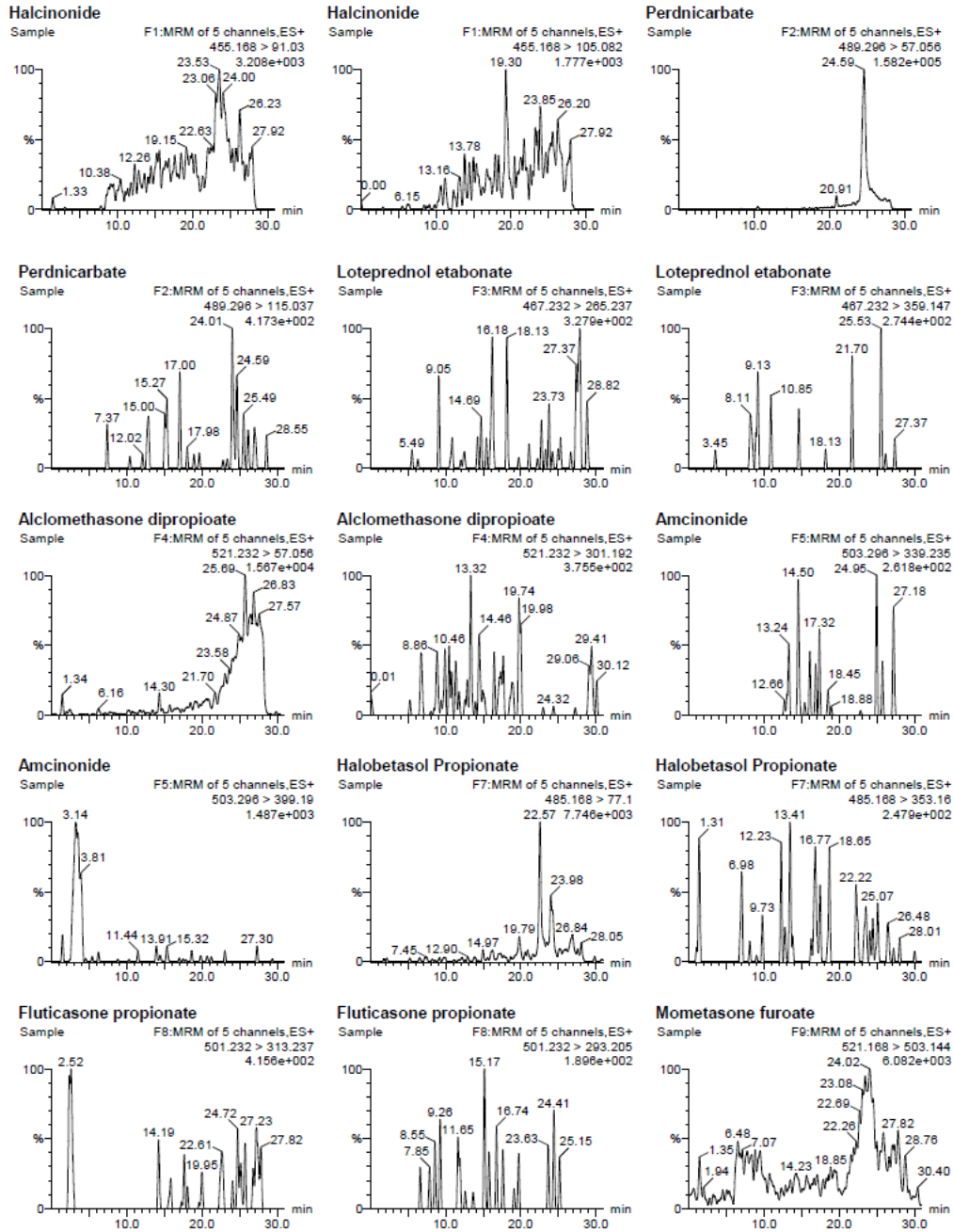


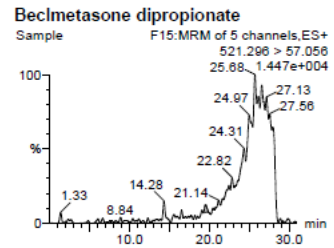
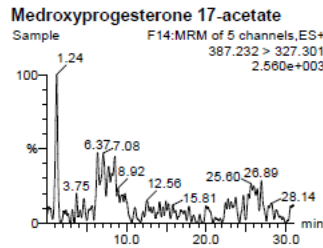
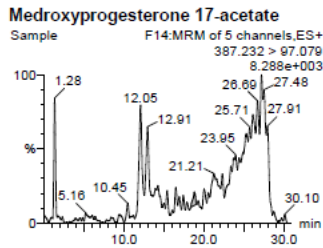
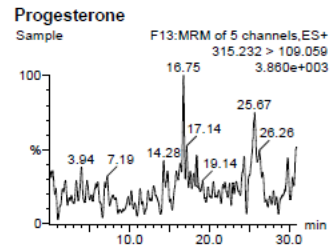
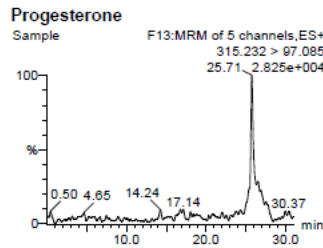
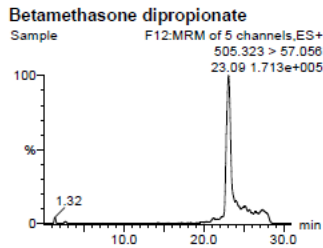
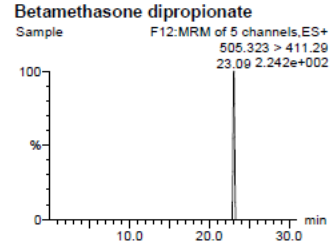
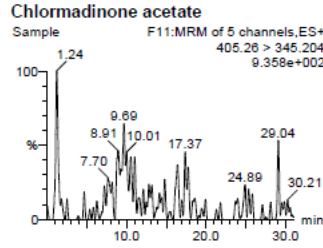
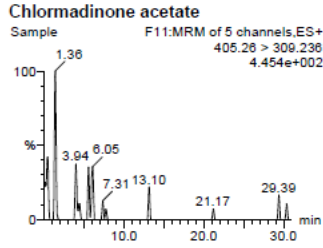
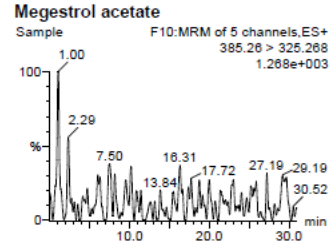
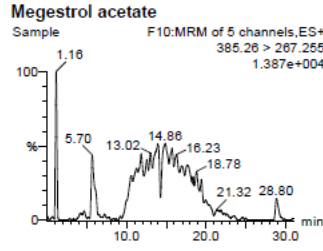
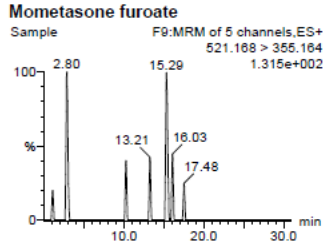
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Method Blank	Halcinonide	455.168 ...	17.70	172.945	bb	1.045			28234...
Method Blank	Perdnicarbonate	489.296 ...							
Method Blank	Loteprednol e...	467.232 ...							
Method Blank	Alclomethaso...	521.232 ...							

Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Method Blank	Amcinonide	503.296 ...							
Method Blank	Halobetasol P...	485.168 ...							
Method Blank	Fluticasone p...	501.232 ...							
Method Blank	Mometasone ...	521.168 ...							
Method Blank	Megestrol ac...	385.26 > ...	18.15	167.680	bb	0.043			36194...
Method Blank	Chlormadino...	405.26 > ...							
Method Blank	Betamethaso...	505.323 ...							
Method Blank	Progesterone	315.232 ...	18.35	518.858	bb	0.153	1.430		33583...
Method Blank	Medroxyprog...	387.232 ...	19.02	324.719	bb	0.373			25172...
Method Blank	Beclmetason...	521.296 ...	19.37	199.995	bb	0.038			20674...
Method Blank	Diflucortolone...	479.296 ...	19.96	68.566	bb	0.011	0.015		41814...
Method Blank	Hydroxyproge...	429.387 ...							
Method Blank	Clobetasol 17...	467.232 ...							

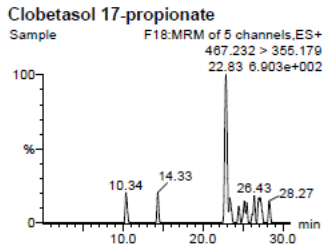
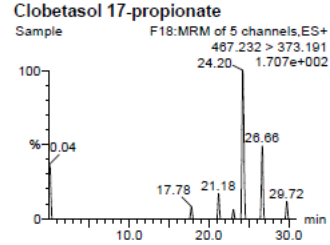
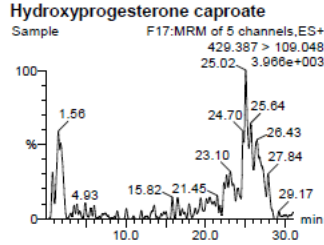
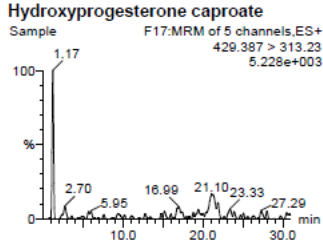
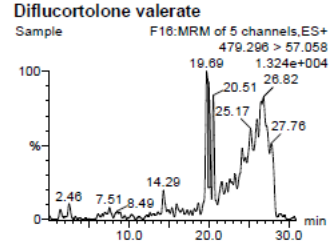
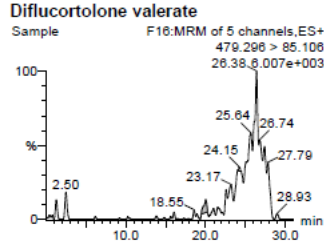
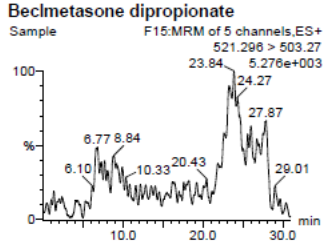
(2) 样品溶液









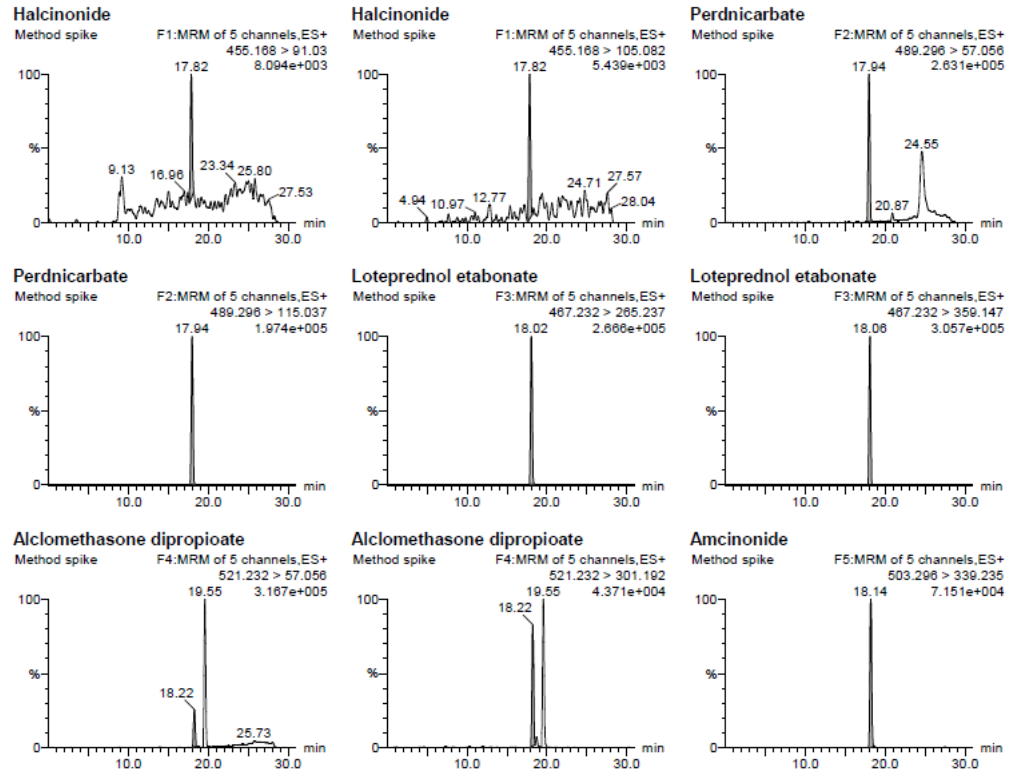


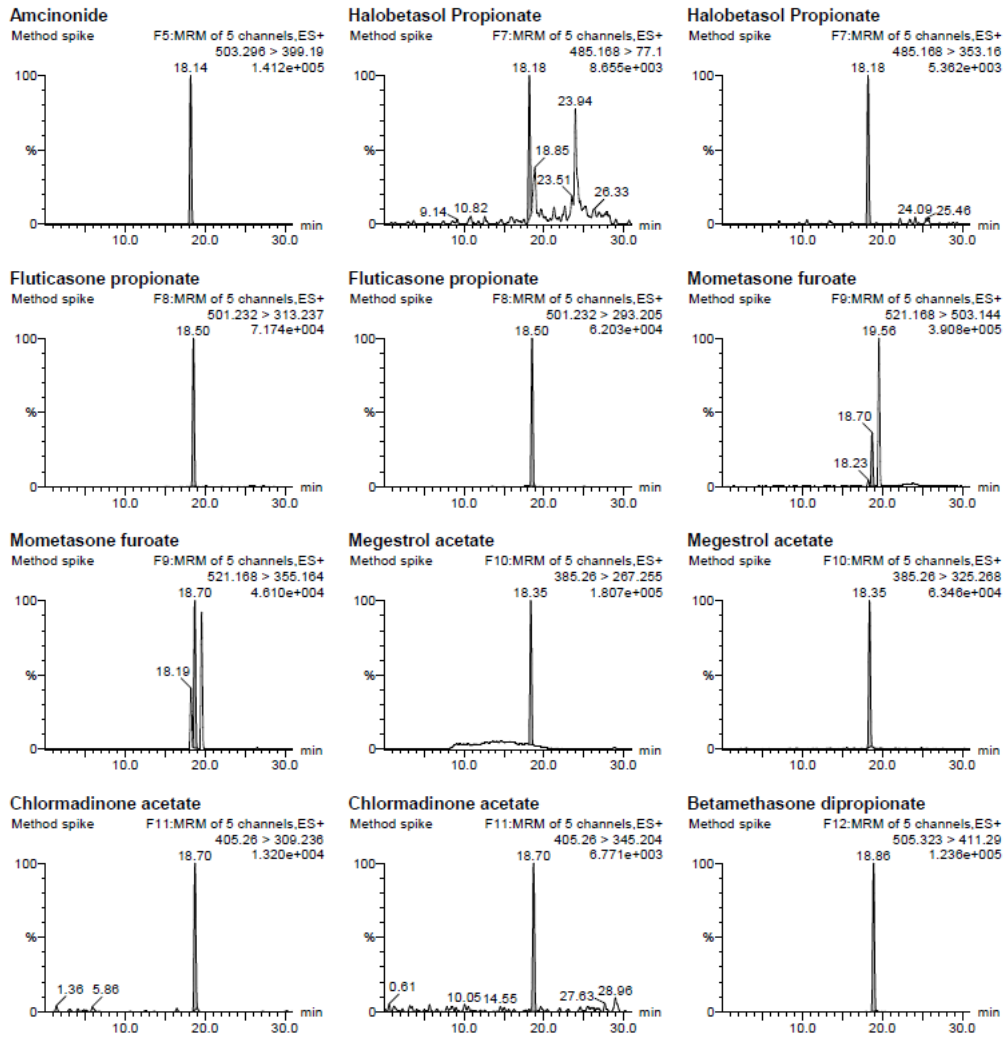
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Sample	Halcinonide	455.168 ...							
Sample	Perdnicarbate	489.296 ...							
Sample	Loteprednol e...	467.232 ...							
Sample	Alclomethaso...	521.232 ...							
Sample	Amcinonide	503.296 ...							
Sample	Halobetasol P...	485.168 ...							
Sample	Fluticasone p...	501.232 ...							
Sample	Mometasone ...	521.168 ...	18.54	29.311	bd	0.009			15353...
Sample	Megestrol ac...	385.26 > ...	18.35	104.828	bb	0.027			47984...
Sample	Chlormadino...	405.26 > ...							
Sample	Betamethaso...	505.323 ...							
Sample	Progesterone	315.232 ...	18.35	58.105	bb	0.017	0.339		52900...
Sample	Medroxyprog...	387.232 ...	18.78	261.573	bb	0.301			31515...
Sample	Beclmetason...	521.296 ...	19.49	236.019	bb	0.045			19088...
Sample	Diflucortolone...	479.296 ...	20.00	223.001	bb	0.035	0.108		34876...
Sample	Hydroxyproge...	429.387 ...							

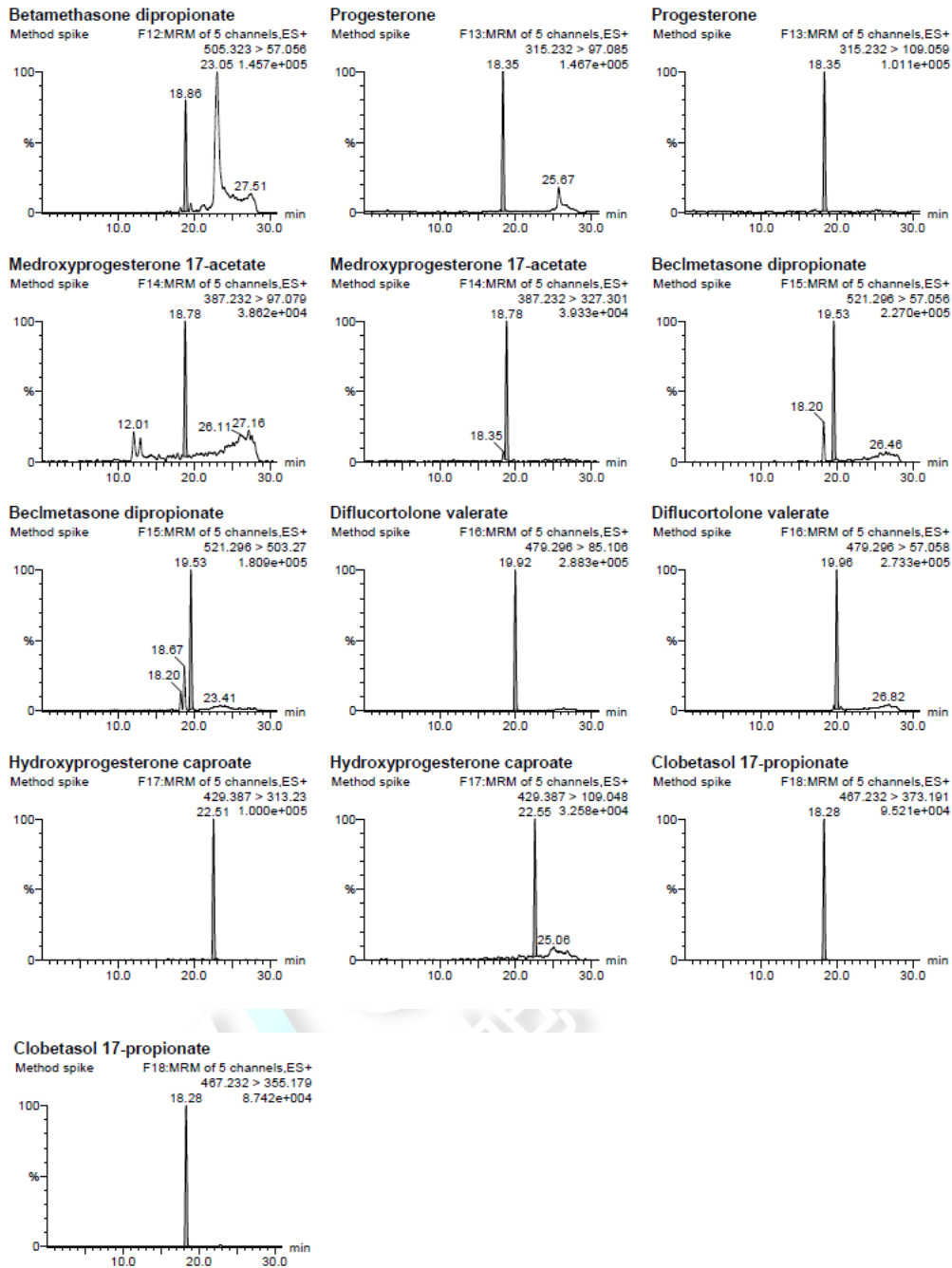
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Sample	Clobetasol 17...	467.232 ...							

(3) 10 ng/mL 基质曲线





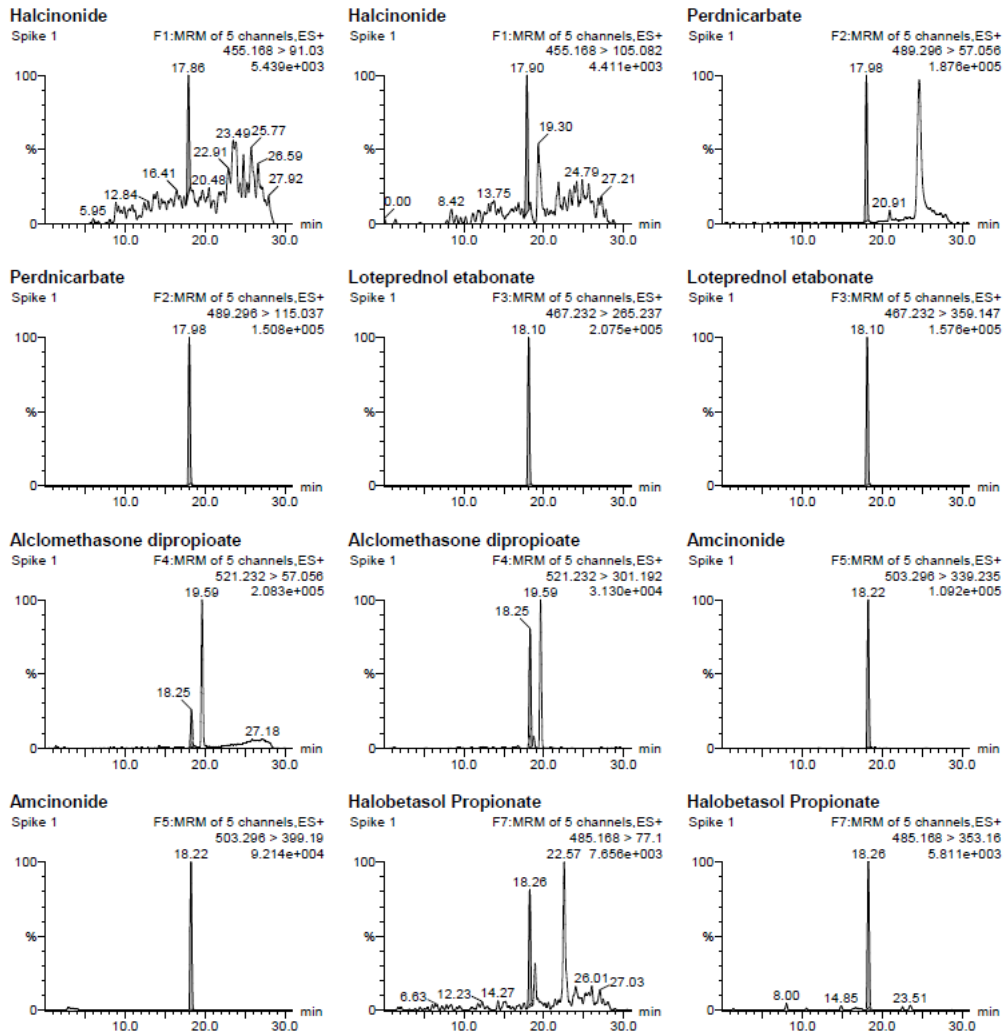


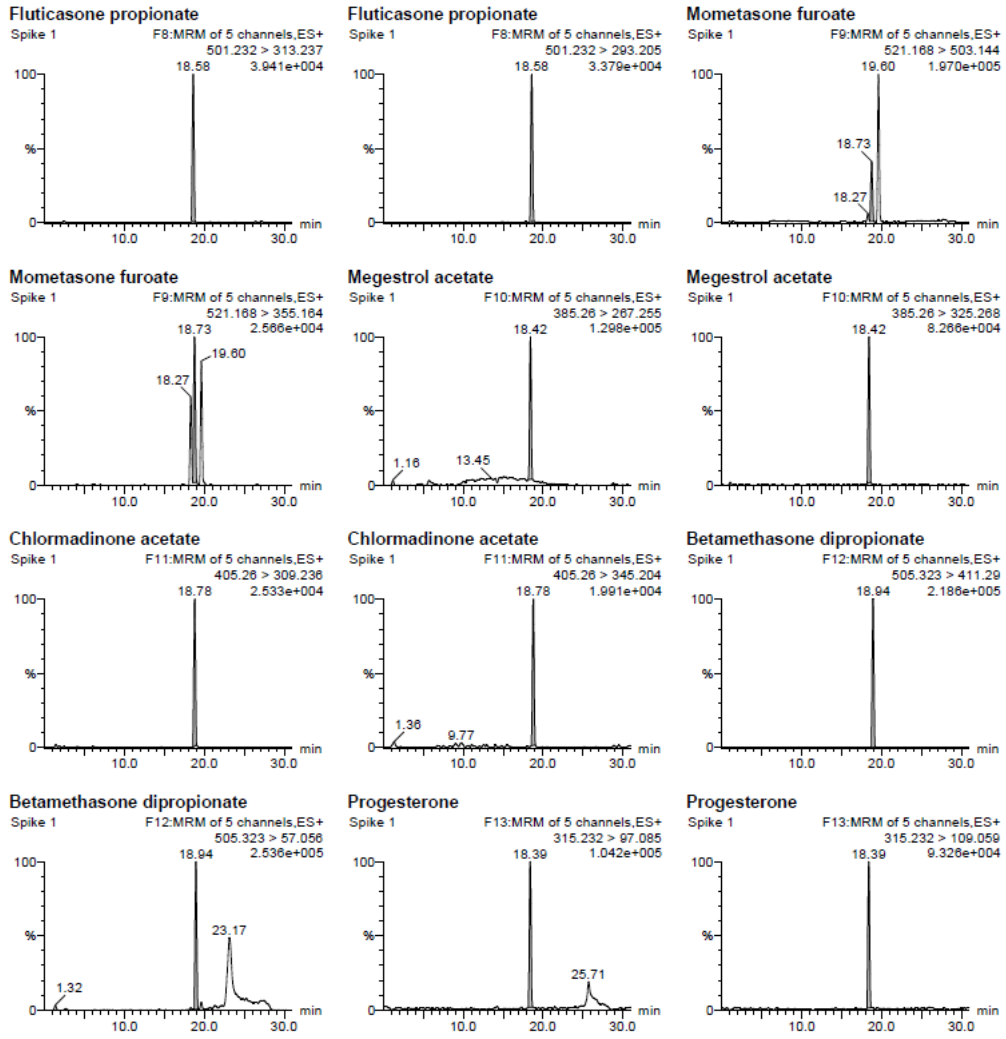


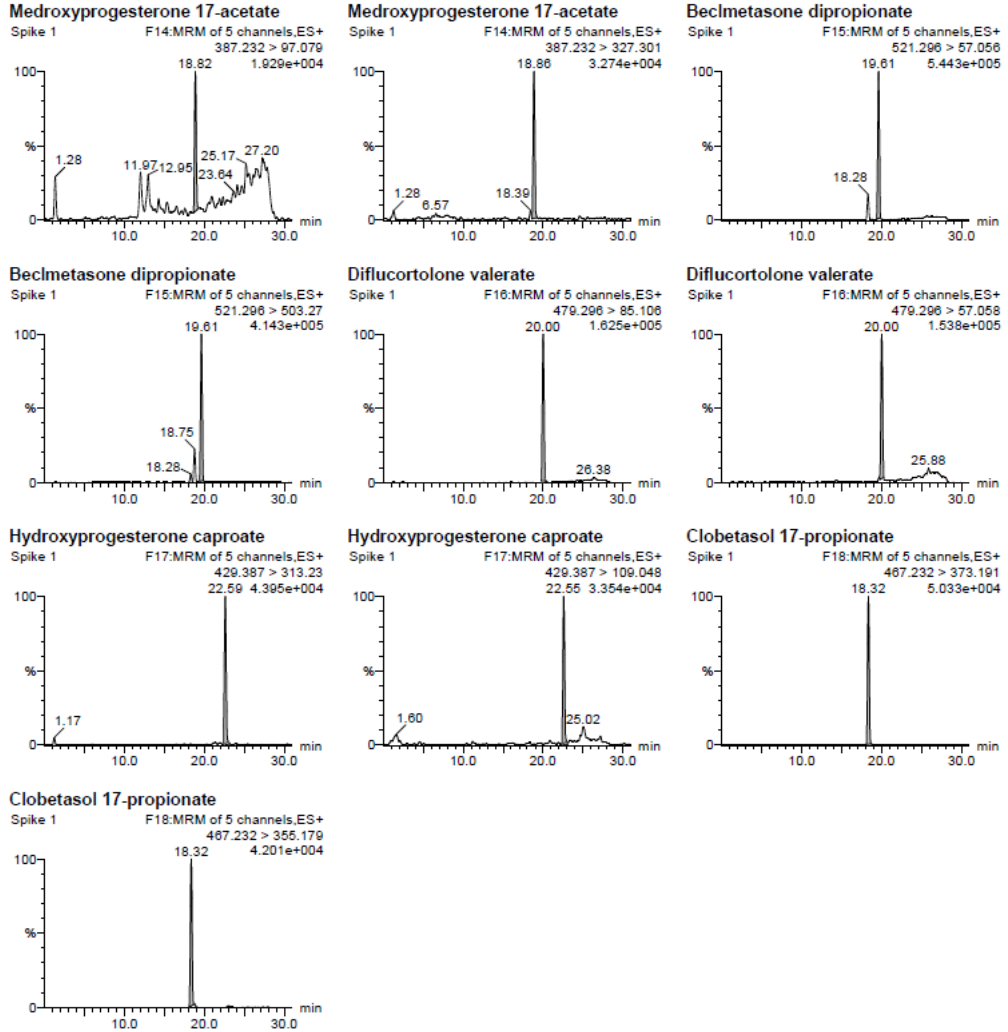
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Method spike	Halcinonide	455.168 ...	17.82	1654.835	bb	10.000	1.320		29079...
Method spike	Perndicarbate	489.296 ...	17.94	60381.012	bb	10.000	1.325		32192...
Method spike	Loteprednol e...	467.232 ...	18.02	60894.973	bb	10.000	0.906		28486...
Method spike	Alclomethaso...	521.232 ...	18.22	17916.047	bb	10.000	2.210		33005...
Method spike	Amcinonide	503.296 ...	18.14	16963.814	bb	10.000	0.537		30859...
Method spike	Halobetasol P...	485.168 ...	18.18	1916.911	MM	10.000	1.545		30002...
Method spike	Fluticasone p...	501.232 ...	18.50	16040.801	bb	10.000	1.159		30688...
Method spike	Mometasone ...	521.168 ...	18.70	30969.277	bb	10.000	3.045		29982...
Method spike	Megestrol ac...	385.26 > ...	18.35	38817.848	bb	10.000	2.657		33194...
Method spike	Chlormadino...	405.26 > ...	18.70	3012.754	bb	10.000	1.885		35766...
Method spike	Betamethaso...	505.323 ...	18.86	28811.648	bb	10.000	1.073		35681...
Method spike	Progesterone	315.232 ...	18.35	33808.719	bb	10.000	1.462		30471...
Method spike	Medroxyprog...	387.232 ...	18.78	8697.911	db	10.000	0.976		34088...
Method spike	Beclmetason...	521.296 ...	19.53	52486.617	bb	10.000	1.261		36410...
Method spike	Diflucortolone...	479.296 ...	19.92	63342.055	bb	10.000	1.034		36158...
Method spike	Hydroxyproge...	429.387 ...	22.51	22493.068	bb	10.000	3.175		47845...
Method spike	Clobetasol 17...	467.232 ...	18.28	21002.840	bb	10.000	1.088		28705...



(4) 样品加标, 10 ng/mL。







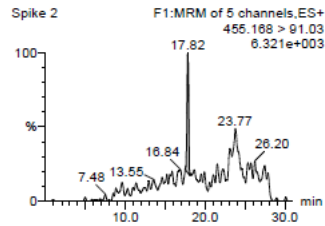
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1° Ratio (A...	2° Ratio...	plate a...
Spike 1	Halcinonide	455.168 ...	17.86	1064.072	bb	6.430	1.064		29462...
Spike 1	Perdnicarbate	489.296 ...	17.98	42196.551	bb	6.988	1.227		32253...
Spike 1	Loteprednol e...	467.232 ...	18.10	47837.949	bb	7.856	1.315		33534...
Spike 1	Alclomethaso...	521.232 ...	18.25	12189.642	MM	6.804	2.060		32219...



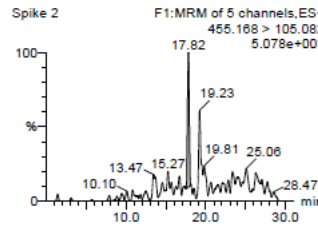
Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1 <sup>o</sup> Ratio (A...	2 <sup>o</sup> Ratio...	plate a...
Spike 1	Amcinonide	503.296 ...	18.22	25010.494	bb	14.743	1.183		28988...
Spike 1	Halobetasol P...	485.168 ...	18.26	1493.021	MM	7.789	1.044		30829...
Spike 1	Fluticasone p...	501.232 ...	18.58	9153.419	MM	5.706	1.175		35160...
Spike 1	Mometasone ...	521.168 ...	18.73	18648.686	bb	6.022	3.167		35272...
Spike 1	Megestrol ac...	385.26 > ...	18.42	27545.023	bb	7.096	1.482		30110...
Spike 1	Chlormadino...	405.26 > ...	18.78	5592.095	bb	18.561	1.304		32203...
Spike 1	Betamethaso...	505.323 ...	18.94	49067.277	bb	17.030	0.862		32792...
Spike 1	Progesterone	315.232 ...	18.39	23677.682	bb	7.003	1.109		30597...
Spike 1	Medroxyprog...	387.232 ...	18.82	4229.687	bb	4.863	0.553		36258...
Spike 1	Beclmetason...	521.296 ...	19.61	118026.094	bb	22.487	1.312		33410...
Spike 1	Diflucortolone...	479.296 ...	20.00	37694.820	MM	5.951	1.093		41037...
Spike 1	Hydroxyproge...	429.387 ...	22.59	10738.409	MM	4.774	1.378		44893...
Spike 1	Clobetasol 17...	467.232 ...	18.32	11579.673	bb	5.513	1.202		31049...

Name: 20230522-010, Date: 23-May-2023, Time: 17:04:39, Description: Spike 2, Conditions:

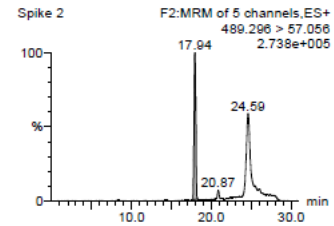
Halcinonide



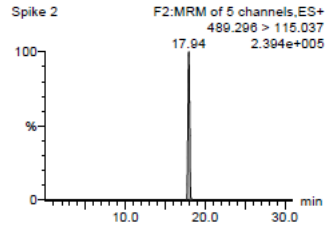
Halcinonide



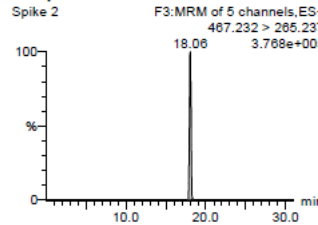
Perdnicarbate



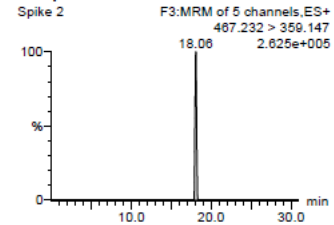
Perdnicarbate



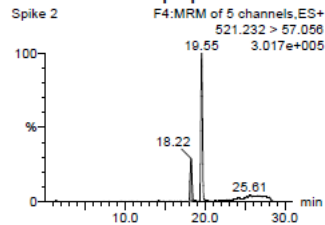
Loteprednol etabonate



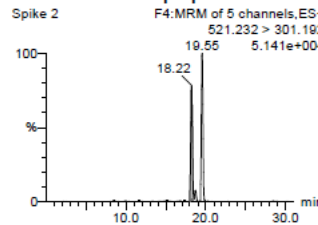
Loteprednol etabonate



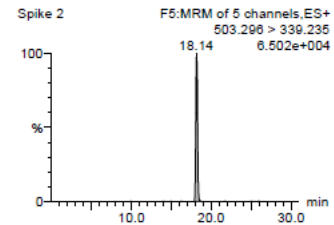
Alclomethasone dipropioate



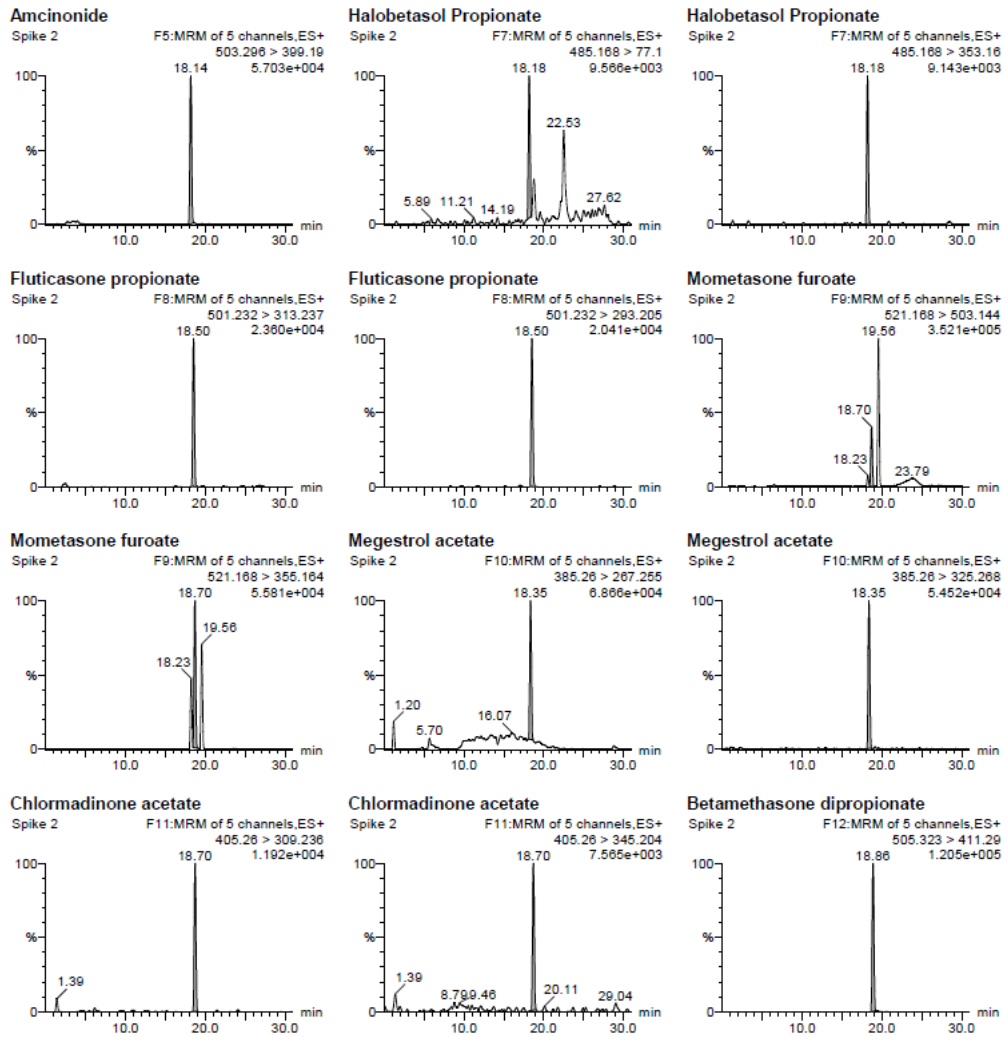
Alclomethasone dipropioate

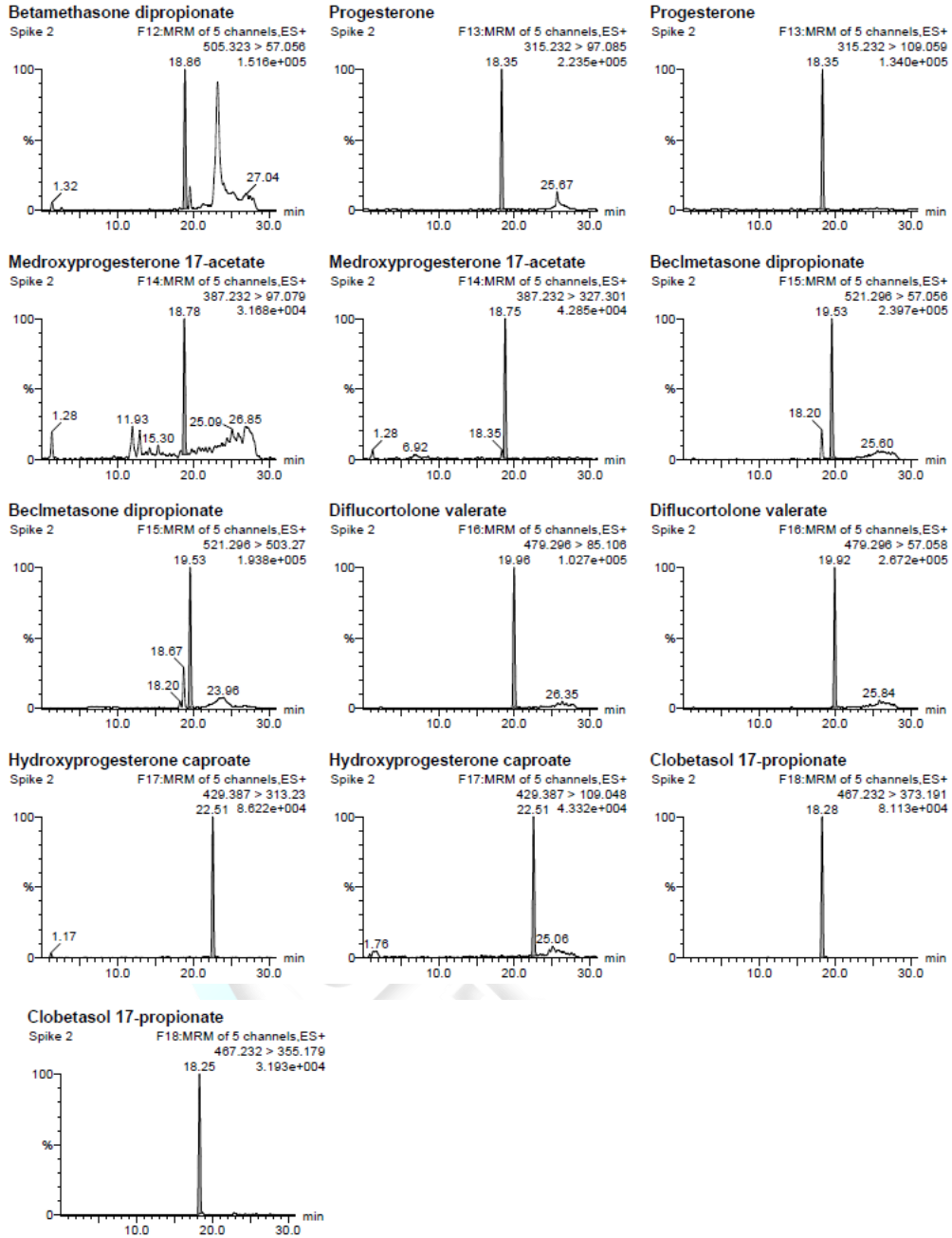


Amcinonide









Sample Text	Name	Trace	RT	Area	Primar...	ng/mL	1 <sup>o</sup> Ratio (A...	2 <sup>o</sup> Ratio...	plate a...
Spike 2	Halcinonide	455.168 ...	17.82	1162.939	bb	7.028	1.058		36150...
Spike 2	Perdnicarbate	489.296 ...	17.94	62796.563	bb	10.400	1.145		30081...
Spike 2	Loteprednol e...	467.232 ...	18.06	84201.445	bb	13.827	1.422		28951...
Spike 2	Alclomethaso...	521.232 ...	18.22	19925.928	MM	11.122	2.176		33896...
Spike 2	Amcinonide	503.296 ...	18.14	15369.790	bb	9.060	1.161		31699...
Spike 2	Halobetasol P...	485.168 ...	18.18	2084.305	bb	10.873	1.033		29134...
Spike 2	Fluticasone p...	501.232 ...	18.50	5515.154	MM	3.438	1.121		32156...
Spike 2	Mometasone ...	521.168 ...	18.70	30983.631	bb	10.005	2.536		30702...
Spike 2	Megestrol ac...	385.26 > ...	18.35	14606.670	bb	3.763	1.155		33845...
Spike 2	Chlormadino...	405.26 > ...	18.70	2713.134	bb	9.005	1.558		34087...
Spike 2	Betamethaso...	505.323 ...	18.86	28073.797	bb	9.744	0.798		35868...
Spike 2	Progesterone	315.232 ...	18.35	50271.250	bb	14.869	1.677		29564...
Spike 2	Medroxyprog...	387.232 ...	18.78	7120.350	bb	8.186	0.730		28452...
Spike 2	Beclmetason...	521.296 ...	19.53	56147.816	MM	10.698	1.254		37323...
Spike 2	Diflucortolone...	479.296 ...	19.96	24588.471	MM	3.882	0.415		36149...
Spike 2	Hydroxyproge...	429.387 ...	22.51	19568.887	bb	8.700	1.991		47613...
Spike 2	Clobetasol 17...	467.232 ...	18.28	18094.223	bb	8.615	2.429		30258...

● 结论:

声明：除非另有说明，此报告结果仅对该测试样品负责。本报告未经公司许可，不可复制。  
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使用月旭 Xtimate® UHPLC C18 2.1×150mm, 1.8μm 分离度满足要求，满足测试需求。

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