



GC/MS Aromatics Report

Well: 211/19a-M32

Field: Murchison

Country: United Kingdom



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GC/MS aromatics data report

FPC_319291

Sample information

Sample ID	FPC_319291	Depth (ft)	9948.0 - 9996.0
Sample type	Oil	Formation	U-NESS
Country	United Kingdom	Age	-
Basin	East Shetland Basin	Reservoir	-
Prospect	-	Sample date	-
Block	211/19a	Sample origin	UNKN
Field	Murchison	Operator	ORYX
Well name	211/19a-M32	Int. std. D10-Phenanthrene (ppm)	91
Well code	FPCW_55385		
Latitude	61.396310		
Longitude	1.738587		

Peak Data Table

FPC_319291

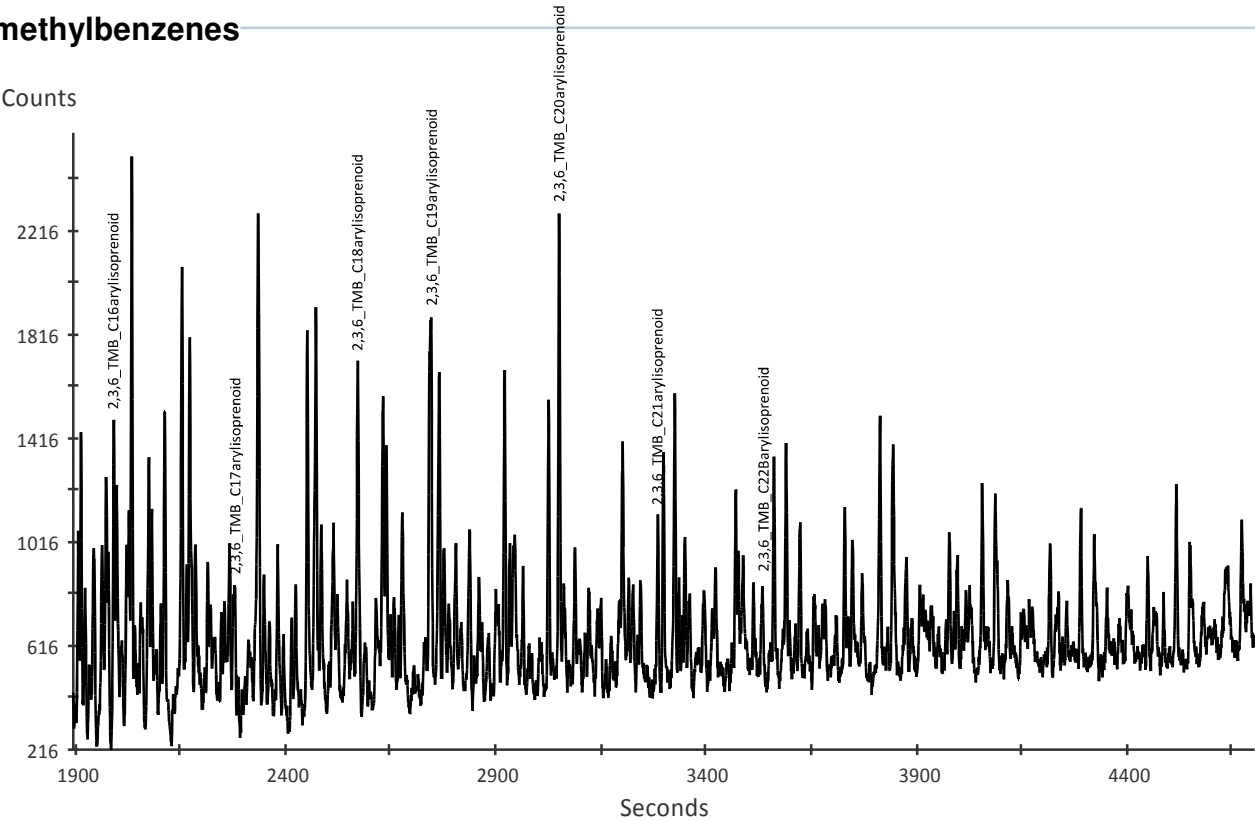
Peak name	Ion	Area
2,3,6_TMB_C15arylisprenoid	134.10	8276.02
2,3,6_TMB_C16arylisprenoid	134.10	5957.21
2,3,6_TMB_C17arylisprenoid	134.10	4869.43
2,3,6_TMB_C18arylisprenoid	134.10	9215.35
2,3,6_TMB_C19arylisprenoid	134.10	12670.39
2,3,6_TMB_C20arylisprenoid	134.10	9643.03
2,3,6_TMB_C21arylisprenoid	134.10	3775.42
2,3,6_TMB_C22Barylisprenoid	134.10	2897.32
2,3,6_TMB_C23arylisprenoid	134.10	-
2-methylnaphtalene	142.10	1376117.25
1-methylnaphtalene	142.10	1140703.88
2,6-dimethylnaphthalene	156.10	339719.19
2,7-dimethylnaphthalene	156.10	404110.16
1,3+1,7-dimethylnaphthalene	156.10	973578.12
1,6-dimethylnaphthalene	156.10	801222.38
1,5-dimethylnaphthalene	156.10	333928.09
2,3-dimethylnaphthalene	156.10	230223.91
1,2-dimethylnaphthalene	156.10	152080.16
1,3,7-trimethylnaphthalene	170.10	271012.19
1,3,6-trimethylnaphthalene	170.10	377617.66
1,3,5+1,4,6-trimethylnaphthalene	170.10	389192.28
2,3,6-trimethylnaphthalene	170.10	230962.59
1,2,7-trimethylnaphthalene	170.10	81011.04
1,6,7-trimethylnaphthalene	170.10	334115.97
1,2,6-trimethylnaphthalene	170.10	14117.45
1,2,4-trimethylnaphthalene	170.10	42378.76
1,2,5-trimethylnaphthalene	170.10	155521.44
Phenanthrene	178.10	616738.75
1,3,5,7-tetramethylnaphthalene	184.10	95946.59
1,3,6,7-tetramethylnaphthalene	184.10	105439.59
1,2,4,7-tetramethylnaphthalene	184.10	92520.09
1,2,5,7-tetramethylnaphthalene	184.10	56638.45
2,3,6,7-tetramethylnaphthalene	184.10	40540.54
1,2,6,7-tetramethylnaphthalene	184.10	28848.76
1,2,5,6-tetramethylnaphthalene	184.10	55589.19
Dibenzothiophene	184.10	177914.23
D10-Phenanthrene (Intern. Std.)	188.10	190482.89
3-methylphenanthrene	192.10	233157.61
2-methylphenanthrene	192.10	261313.48
9-methylphenanthrene	192.10	417131.00
1-methylphenanthrene	192.10	347988.94
Cadalene	198.00	-
4-methyldibenzothiophene	198.10	230430.41
3+2-methyldibenzothiophene	198.10	126084.95
1-methyldibenzothiophene	198.10	78989.30
4,5-dimethylphenanthrene	206.20	16511.64
2,6+3,6-dimethylphenanthrene	206.20	81392.10
3,5-dimethylphenanthrene	206.20	67606.27
2,7-dimethylphenanthrene	206.20	46106.69
3,9-dimethylphenanthrene	206.20	391150.59
1,6+2,5+2,9-dimethylphenanthrene	206.20	203405.52
1,7-dimethylphenanthrene	206.20	175067.44
1,9+4,9-dimethylphenanthrene	206.20	166299.16
1,8-dimethylphenanthrene	206.20	49495.68
1,2-dimethylphenanthrene	206.20	29065.93

Peak name	Ion	Area
TA_C20	231.20	23961.45
TA_C21	231.20	24045.00
TA_C22_20S	231.20	3610.33
TA_C22_20R	231.20	3478.60
TA_C26_20S	231.20	10259.15
TA_C26_20R_C27_20S	231.20	40955.21
TA_C28_20S_A+B	231.20	33715.55
TA_C27_20R	231.20	27165.80
TA_C29_20S_A	231.20	3717.92
TA_C29_20S_B	231.20	9490.18
TA_C28_20R	231.20	32341.57
MA_C21_A	253.20	9922.49
MA_C21_B	253.20	4695.43
MA_C22_A	253.20	8719.87
MA_C22_B	253.20	4839.12
MA_C27_I_20S	253.20	1805.76
MA_C27_V_20S	253.20	13793.36
MA_C27_I_20R_C27_V_20R	253.20	13752.93
MA_C27_II_20S	253.20	2831.76
MA_C28_I_20S	253.20	22946.55
MA_C28_V_20S	253.20	1612.46
MA_C27_II_20R	253.20	2310.75
MA_C28_II_20S	253.20	3764.17
MA_C28_I_20R_C28_V_20R	253.20	17421.60
MA_C29_I_20S_C29_V_20S	253.20	19491.85
MA_C29_II_20S	253.20	3545.24
MA_C28_II_20R	253.20	8608.98
MA_C29_I_20R_C29_V_20R	253.20	14493.23

Sample	FPC_319291	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	9948.0-9996.0ft	Fraction	Aromatic	Analysis date	08-DEC-2016

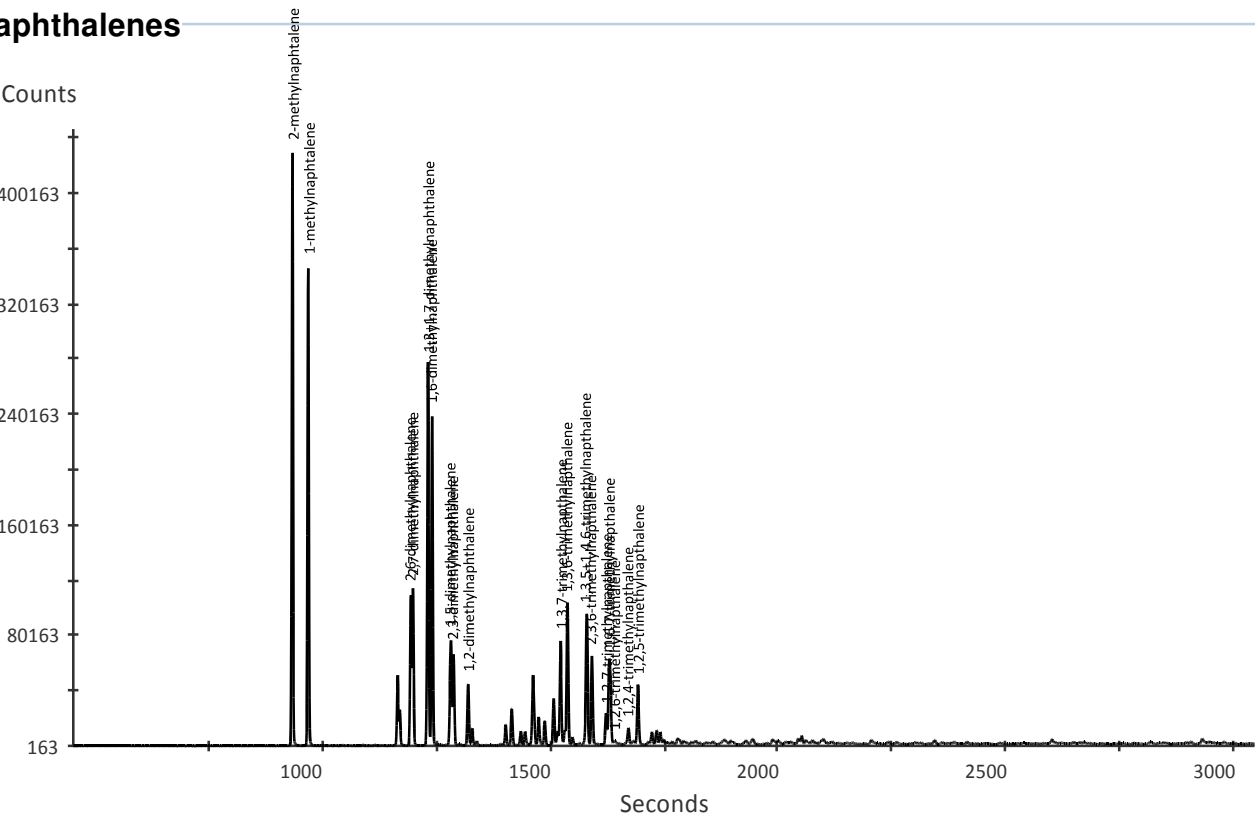
m/z	signal intensity
134.1	2,594.48

Alkyl-trimethylbenzenes



m/z	signal intensity
142.1+156.1+170.1	446,272.04

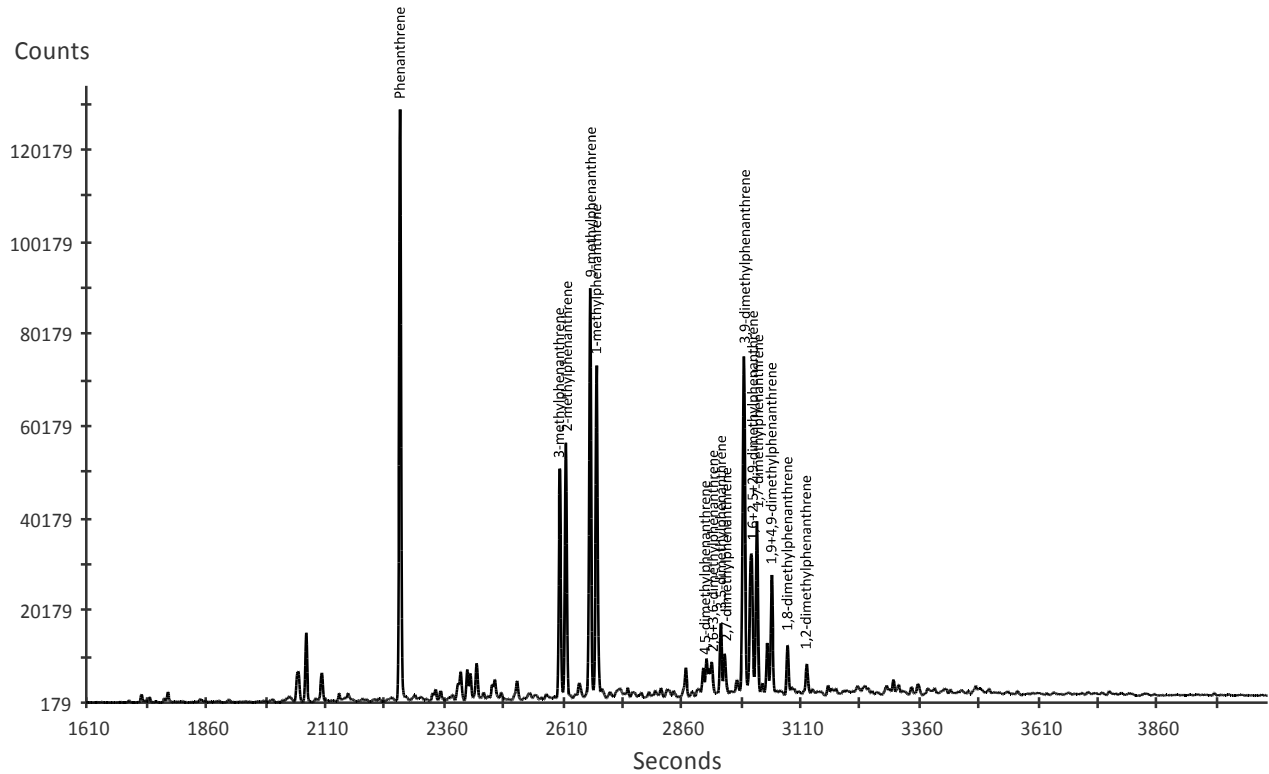
Methylnaphthalenes



Sample	FPC_319291	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	9948.0-9996.0ft	Fraction	Aromatic	Analysis date	08-DEC-2016

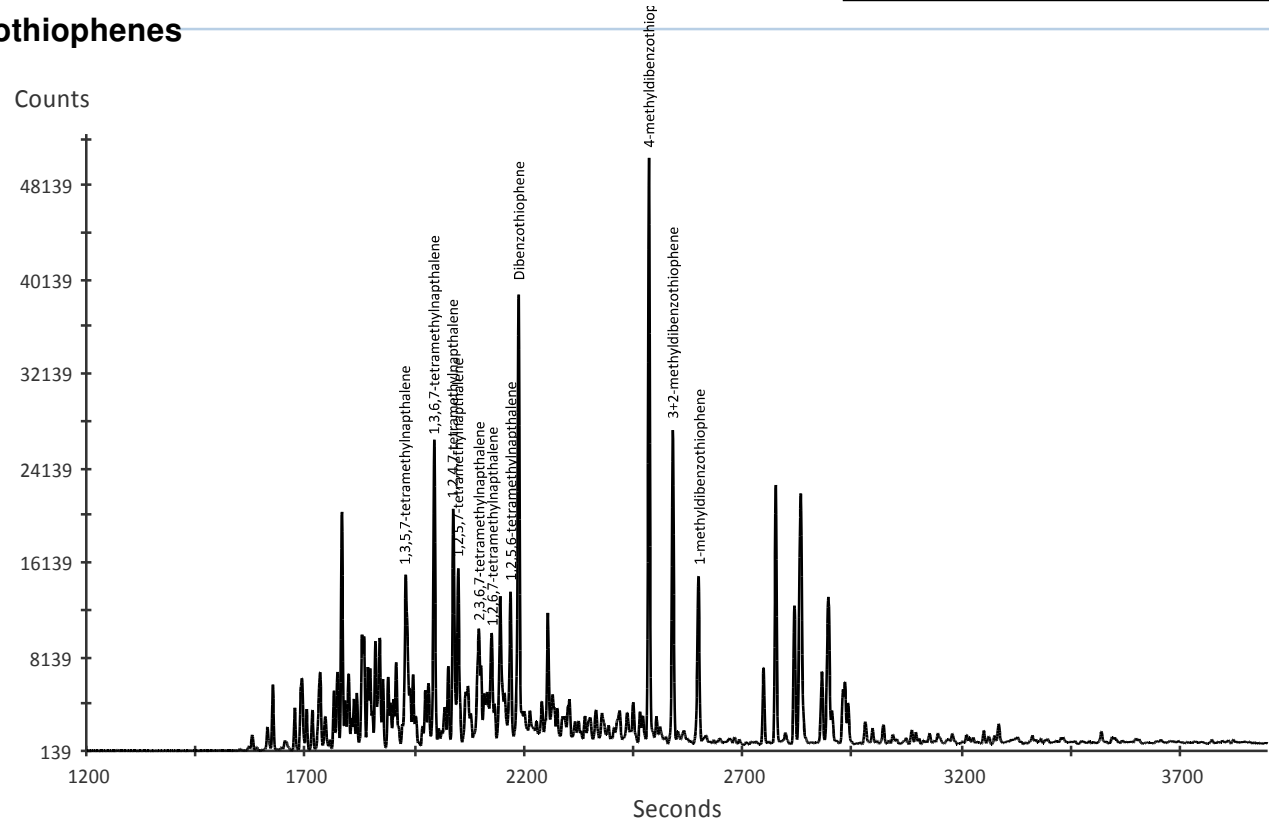
m/z	signal intensity
178.1+192.1+206.1	134,067.56

Methylphenanthrenes



m/z	signal intensity
184.0+198.1+212.1	52,494.68

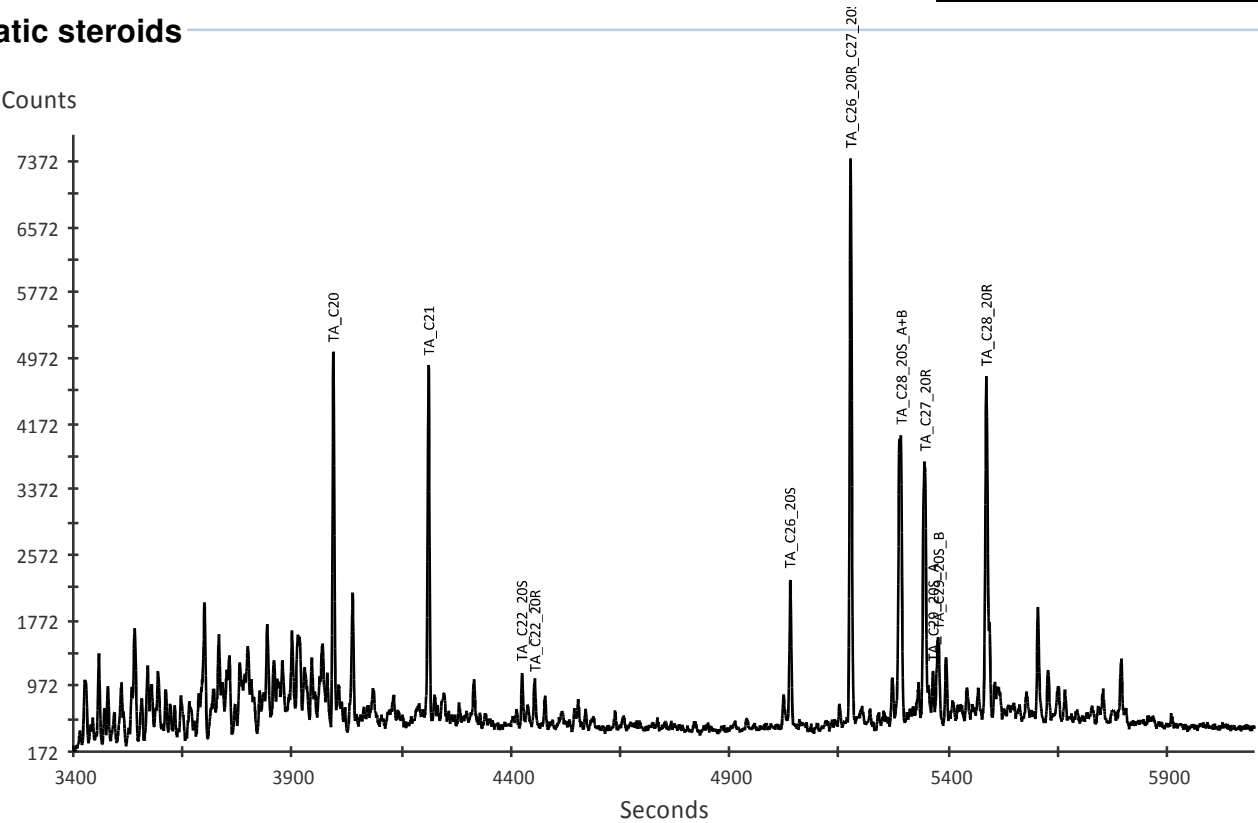
Dibenzothiophenes



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Depth	9948.0-9996.0ft	Fraction	Aromatic	Analysis date	08-DEC-2016

m/z	signal intensity
231.1	7,696.4

Triaromatic steroids



m/z	signal intensity
253.2	4,098.92

Monoaromatic steroids

