



GC/MS Aromatics Report

Well: 211/13-01

Field: Penguin A

Country: United Kingdom



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GC/MS aromatics data report

FPC_61609

Sample information

Sample ID	FPC_61609	Depth (ft)	8814.0 - 8984.0
Sample type	Oil	Formation	CORMORANT
Country	United Kingdom	Age	-
Basin	East Shetland Basin	Reservoir	-
Prospect	-	Sample date	-
Block	211/13	Sample origin	PROD
Field	Penguin A	Operator	SHELL
Well name	211/13-01	Int. std. D10-Phenanthrene (ppm)	194
Well code	FPCW_5870		
Latitude	61.634667		
Longitude	1.533806		

Peak Data Table

FPC_61609

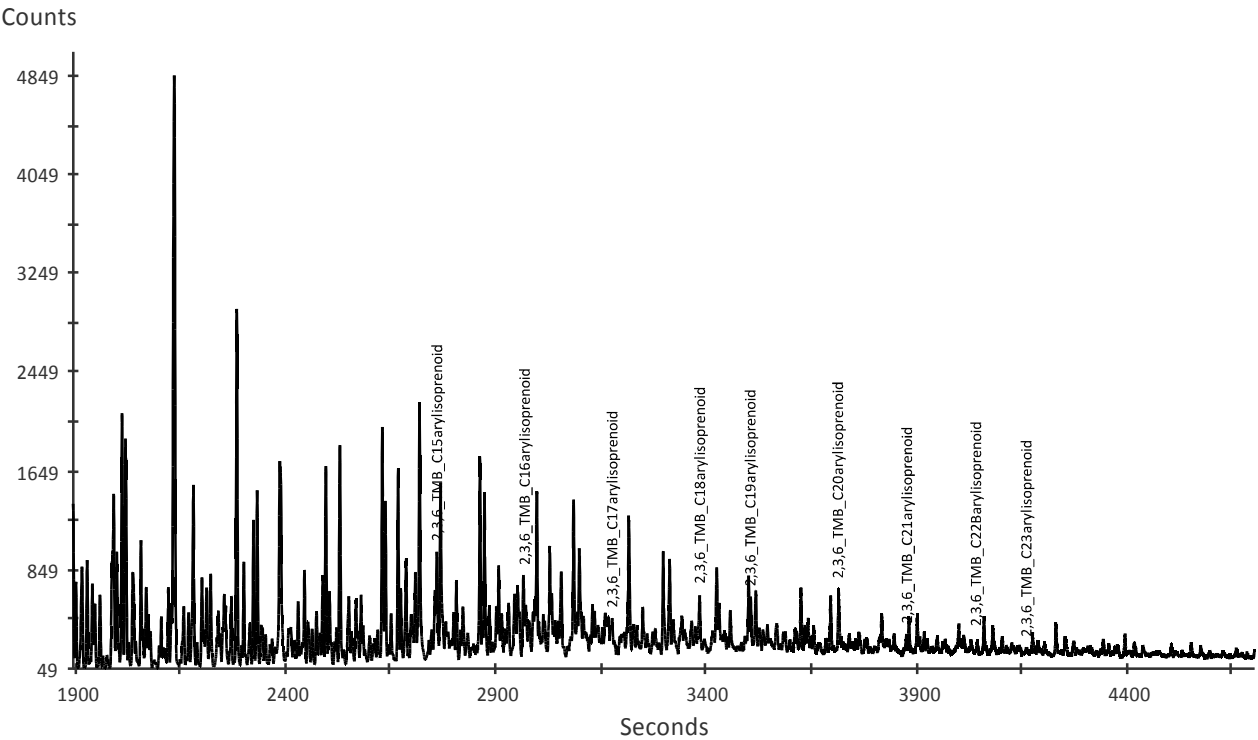
Peak name	Ion	Area
2,3,6_TMB_C15arylisprenoid	134.10	3164.37
2,3,6_TMB_C16arylisprenoid	134.10	2478.01
2,3,6_TMB_C17arylisprenoid	134.10	1120.21
2,3,6_TMB_C18arylisprenoid	134.10	2185.68
2,3,6_TMB_C19arylisprenoid	134.10	1532.72
2,3,6_TMB_C20arylisprenoid	134.10	2129.17
2,3,6_TMB_C21arylisprenoid	134.10	710.15
2,3,6_TMB_C22Barylisprenoid	134.10	528.09
2,3,6_TMB_C23arylisprenoid	134.10	291.16
2-methylnaphtalene	142.10	106429.85
1-methylnaphtalene	142.10	197803.47
2,6-dimethylnaphthalene	156.10	15001.14
2,7-dimethylnaphthalene	156.10	23011.27
1,3+1,7-dimethylnaphthalene	156.10	93497.66
1,6-dimethylnaphthalene	156.10	66663.40
1,5-dimethylnaphthalene	156.10	40525.44
2,3-dimethylnaphthalene	156.10	27441.49
1,2-dimethylnaphthalene	156.10	23622.99
1,3,7-trimethylnaphthalene	170.10	35427.25
1,3,6-trimethylnaphthalene	170.10	48027.29
1,3,5+1,4,6-trimethylnaphthalene	170.10	51635.36
2,3,6-trimethylnaphthalene	170.10	21589.34
1,2,7-trimethylnaphthalene	170.10	8633.89
1,6,7-trimethylnaphthalene	170.10	48197.80
1,2,6-trimethylnaphthalene	170.10	2621.25
1,2,4-trimethylnaphthalene	170.10	5166.83
1,2,5-trimethylnaphthalene	170.10	26004.81
Phenanthrene	178.10	93885.80
1,3,5,7-tetramethylnaphthalene	184.10	16406.77
1,3,6,7-tetramethylnaphthalene	184.10	19776.49
1,2,4,7-tetramethylnaphthalene	184.10	15967.16
1,2,5,7-tetramethylnaphthalene	184.10	12416.93
2,3,6,7-tetramethylnaphthalene	184.10	7822.58
1,2,6,7-tetramethylnaphthalene	184.10	5327.88
1,2,5,6-tetramethylnaphthalene	184.10	20863.49
Dibenzothiophene	184.10	43566.58
D10-Phenanthrene (Intern. Std.)	188.10	127228.73
3-methylphenanthrene	192.10	8226.07
2-methylphenanthrene	192.10	11505.34
9-methylphenanthrene	192.10	32321.36
1-methylphenanthrene	192.10	25523.69
Cadalene	198.00	-
4-methyldibenzothiophene	198.10	19098.34
3+2-methyldibenzothiophene	198.10	4602.98
1-methyldibenzothiophene	198.10	7642.78
4,5-dimethylphenanthrene	206.20	1651.79
2,6+3,6-dimethylphenanthrene	206.20	4364.37
3,5-dimethylphenanthrene	206.20	3497.72
2,7-dimethylphenanthrene	206.20	1964.06
3,9-dimethylphenanthrene	206.20	24013.09
1,6+2,5+2,9-dimethylphenanthrene	206.20	11810.61
1,7-dimethylphenanthrene	206.20	9191.79
1,9+4,9-dimethylphenanthrene	206.20	14509.33
1,8-dimethylphenanthrene	206.20	3850.30
1,2-dimethylphenanthrene	206.20	2054.89

Peak name	Ion	Area
TA_C20	231.20	3182.21
TA_C21	231.20	2198.15
TA_C22_20S	231.20	366.83
TA_C22_20R	231.20	309.83
TA_C26_20S	231.20	623.14
TA_C26_20R_C27_20S	231.20	1330.50
TA_C28_20S_A+B	231.20	1119.44
TA_C27_20R	231.20	624.14
TA_C29_20S_A	231.20	318.88
TA_C29_20S_B	231.20	175.56
TA_C28_20R	231.20	838.03
MA_C21_A	253.20	999.60
MA_C21_B	253.20	670.20
MA_C22_A	253.20	1244.87
MA_C22_B	253.20	594.68
MA_C27_I_20S	253.20	285.04
MA_C27_V_20S	253.20	623.31
MA_C27_I_20R_C27_V_20R	253.20	471.40
MA_C27_II_20S	253.20	569.87
MA_C28_I_20S	253.20	714.68
MA_C28_V_20S	253.20	262.22
MA_C27_II_20R	253.20	207.11
MA_C28_II_20S	253.20	419.48
MA_C28_I_20R_C28_V_20R	253.20	495.88
MA_C29_I_20S_C29_V_20S	253.20	641.95
MA_C29_II_20S	253.20	361.30
MA_C28_II_20R	253.20	388.31
MA_C29_I_20R_C29_V_20R	253.20	471.67

Sample	FPC_61609	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8814.0-8984.0ft	Fraction	Aromatic	Analysis date	12-SEP-2014

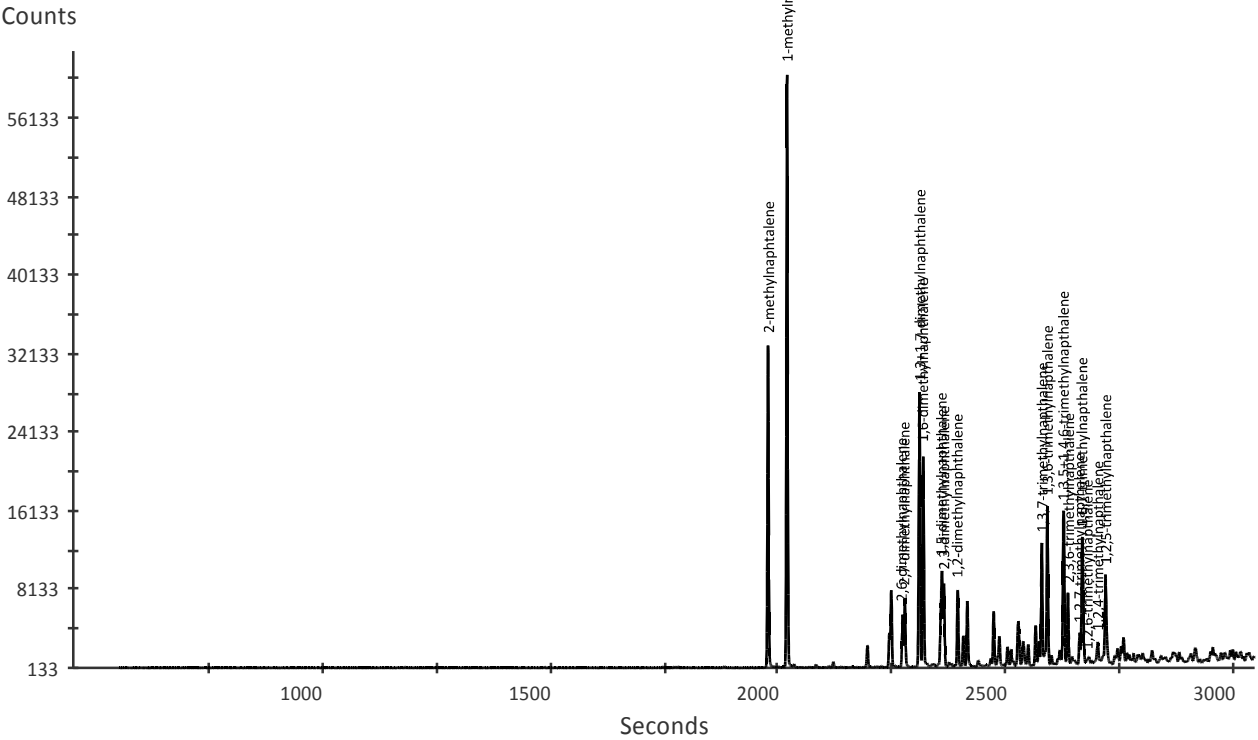
m/z	signal intensity
134.1	5,042.04

Alkyl-trimethylbenzenes



m/z	signal intensity
142.1+156.1+170.1	62,912.6

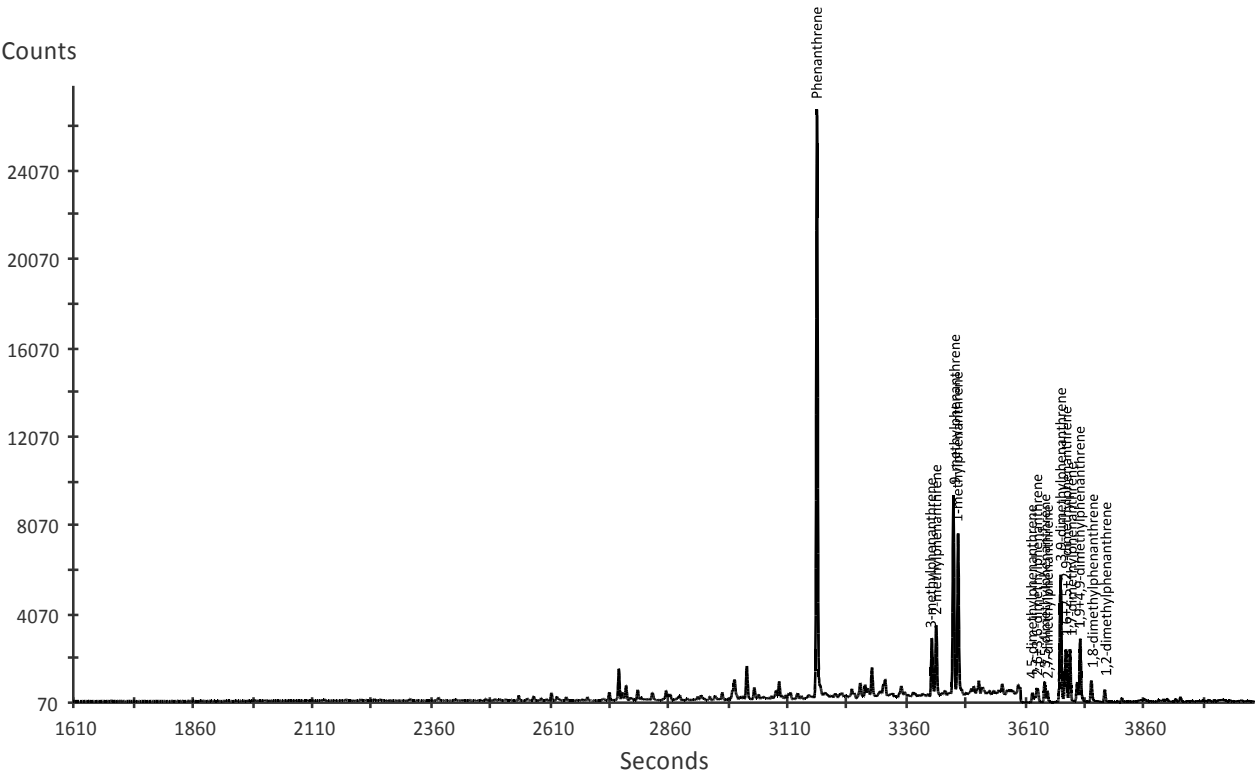
Methylnaphthalenes



Sample	FPC_61609	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8814.0-8984.0ft	Fraction	Aromatic	Analysis date	12-SEP-2014

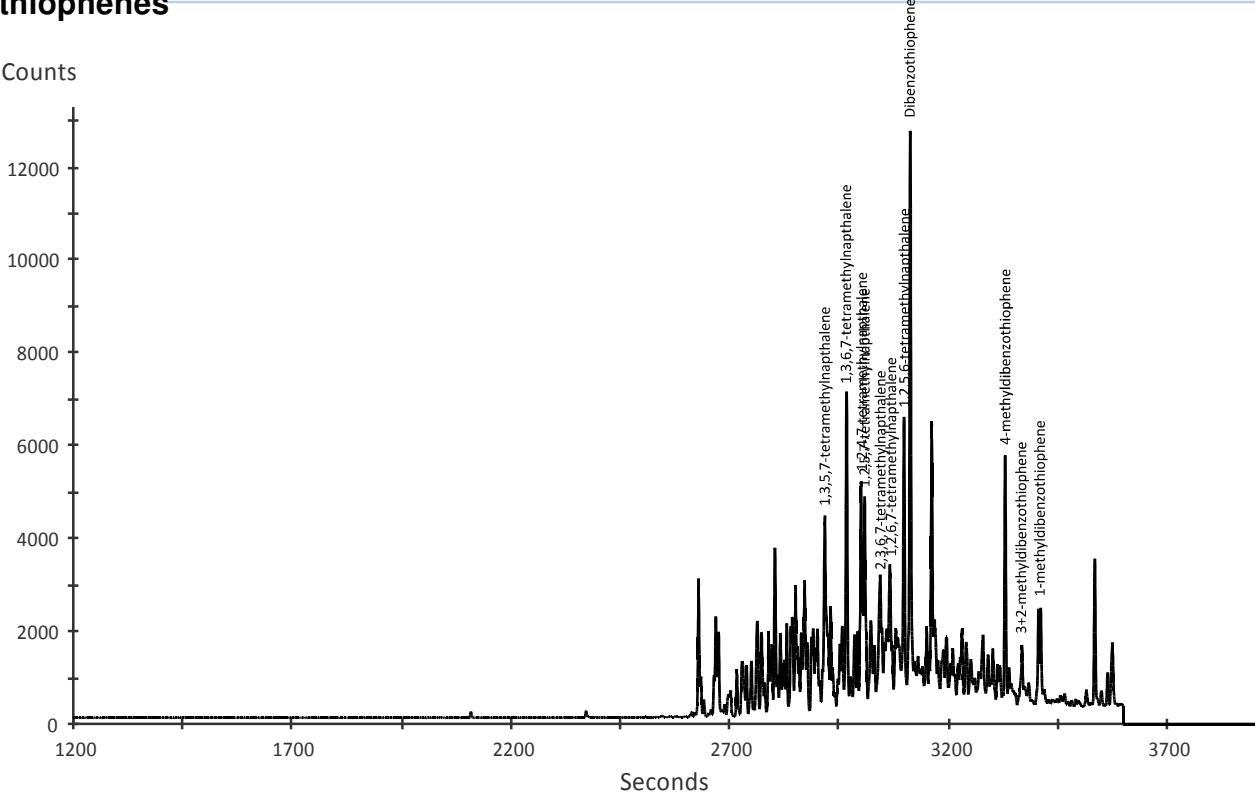
m/z	signal intensity
178.1+192.1+206.1	27,877.52

Methylphenanthrenes



m/z	signal intensity
184.0+198.1+212.1	13,294.32

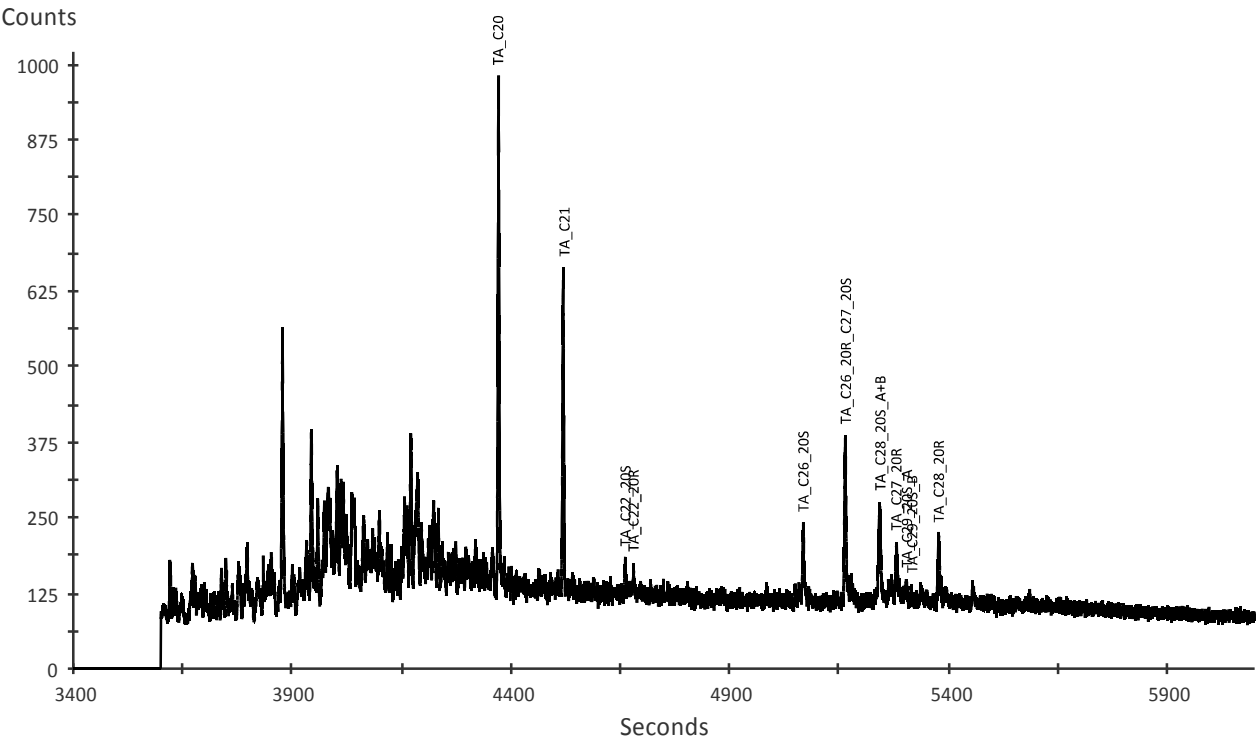
Dibenzothiophenes



Sample	FPC_61609	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8814.0-8984.0ft	Fraction	Aromatic	Analysis date	12-SEP-2014

m/z	signal intensity
231.1	1,020.24

Triaromatic steroids



m/z	signal intensity
253.2	440.96

Monoaromatic steroids

