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API

III II II

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Email:haniehjafary@ymail.com

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(Alizadeh et al. 2008) / API )

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/ API

API

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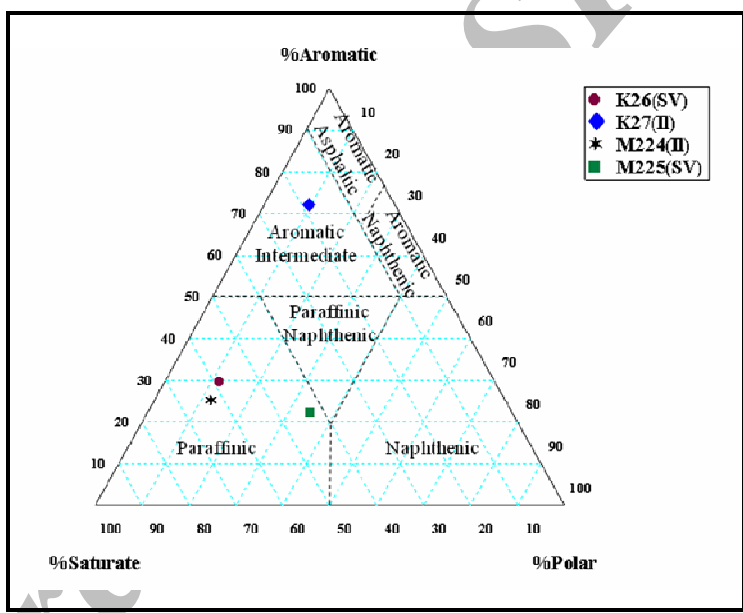
Archive of SID



(Tissot and Welte 1984)

( )

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( )

(m/z=217)

(m/z=191)

C<sub>27</sub>, C<sub>28</sub>

C<sub>29</sub>

( )

C<sub>29</sub> < C<sub>28</sub> < C<sub>27</sub>

( )

(Alizadeh et al. 2005)

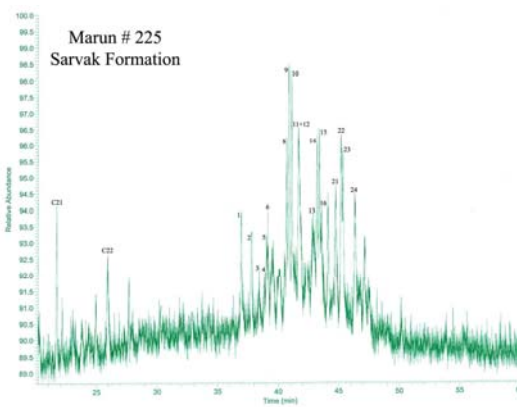
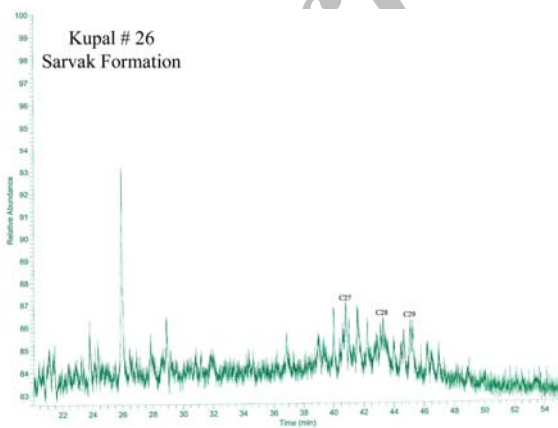
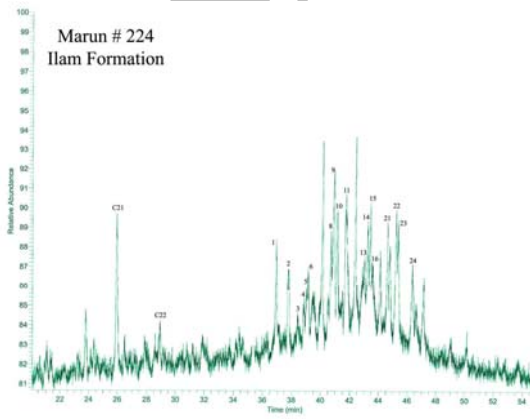
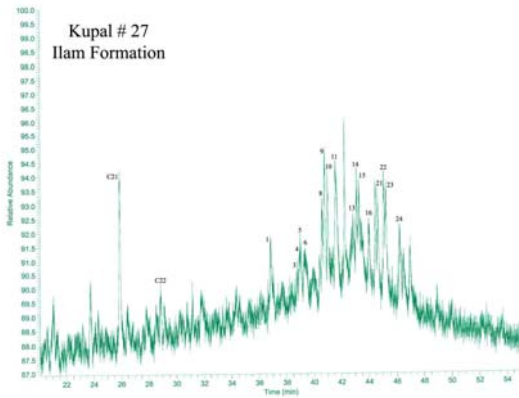
III II

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(Connan and Cassou 1980)

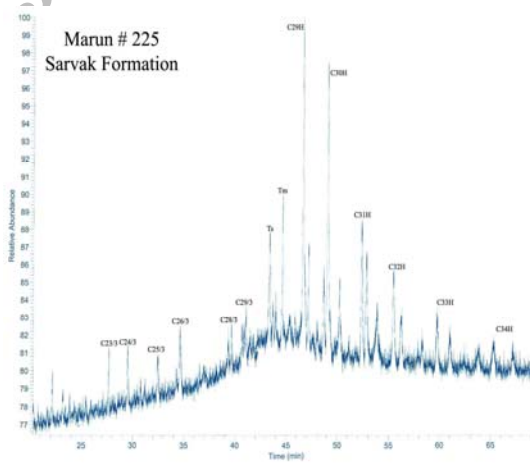
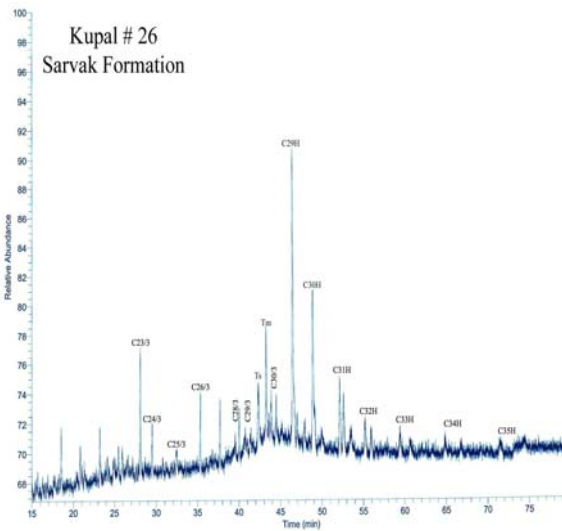
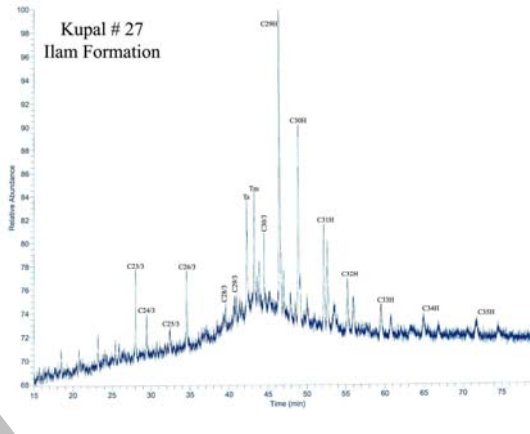
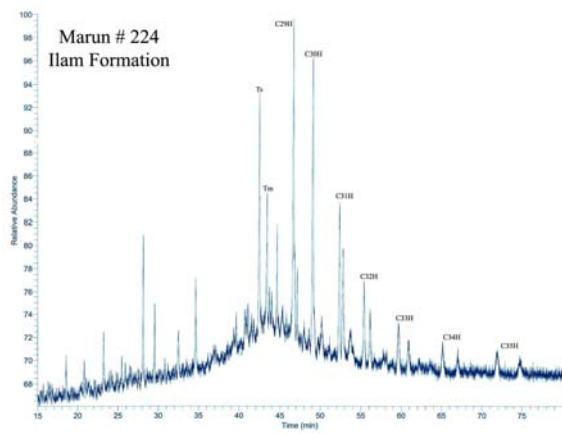
Pri/nC<sub>17</sub>

Phy/nC<sub>18</sub>



(m/z=217)

( )



(m/z=191)

. ( )

. ( ) (Meinschein 1979)

)

(Kamali and Ghorbani 2006) (

(Huang and C<sub>27</sub>, C<sub>28</sub>, C<sub>29</sub>)

Tetracyclic Terpanes Tricyclic Terpanes

(Kamali and

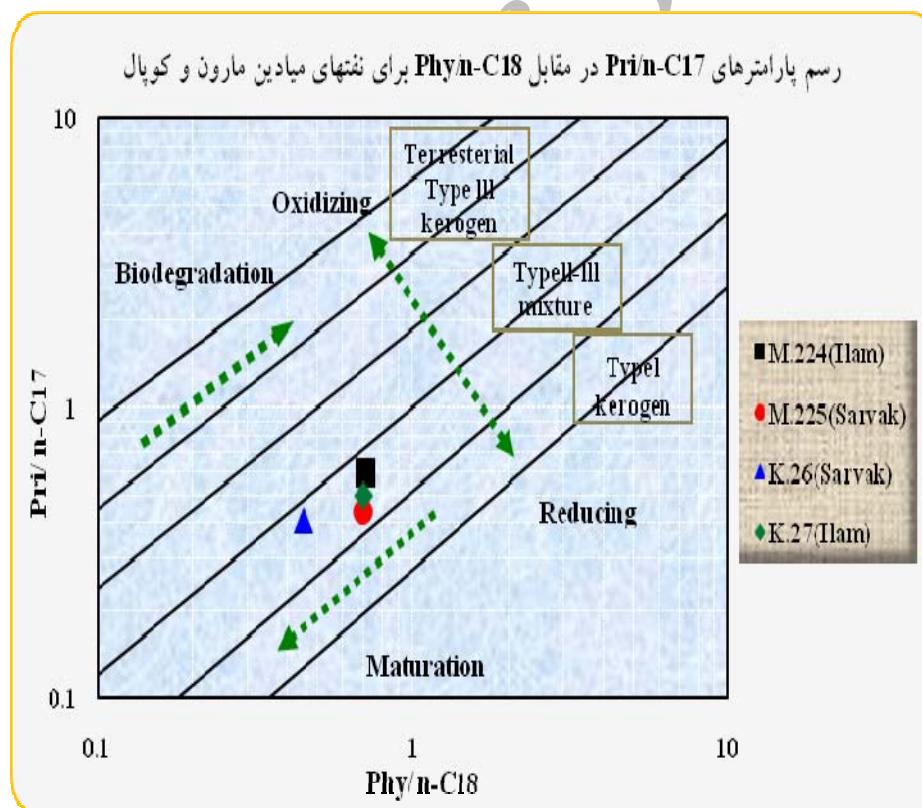
.Ghorbani 2006)

Tricyclic Terpene  $C_{22}/C_{21}$

(Zumberge and Romos Tricyclic Terpene  $C_{24}/C_{23}$

1996)

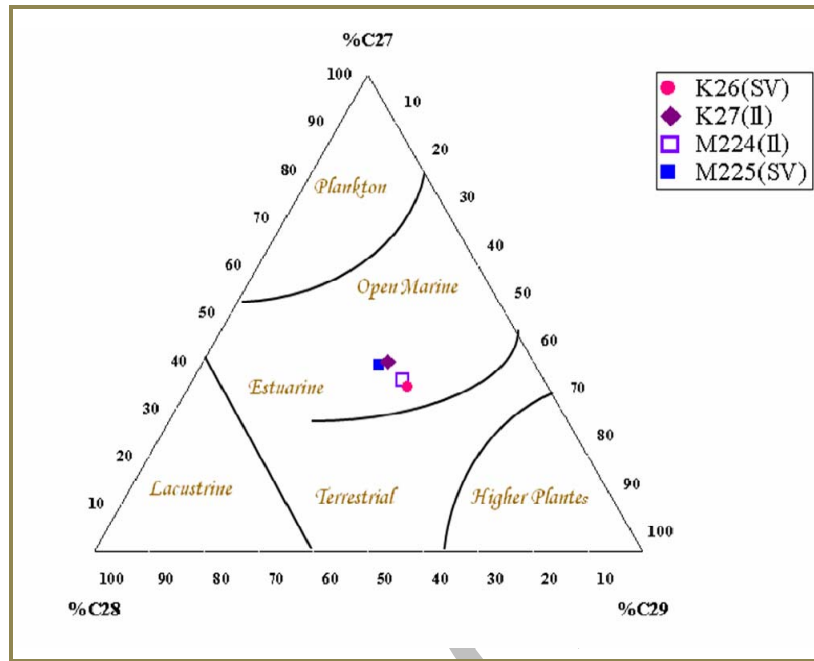
.( )



$Phy/n-C_{18}$

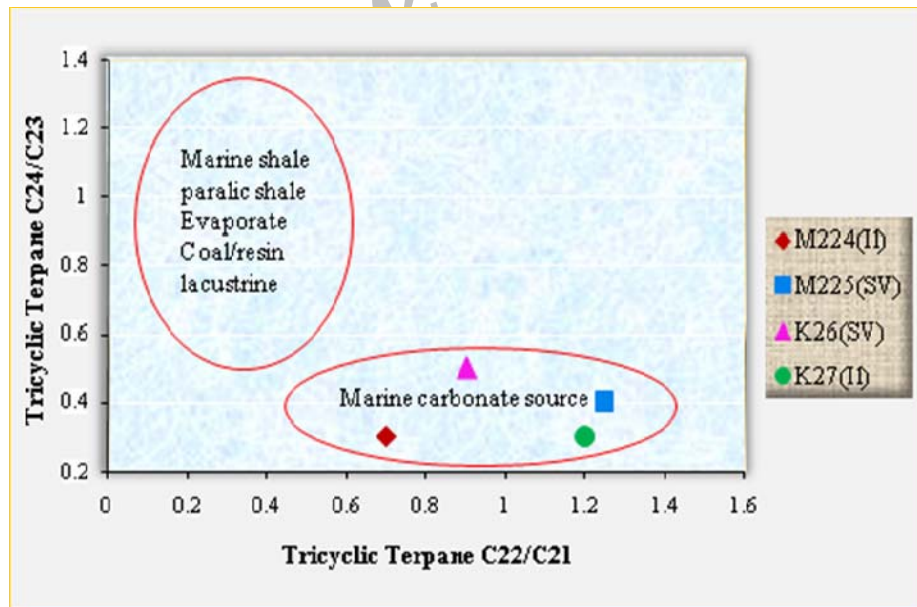
$Pri/n-C_{17}$

.( )



C<sub>27</sub>, C<sub>28</sub>, C<sub>29</sub>

(.)



C<sub>24</sub>/C<sub>23</sub>

C<sub>22</sub>/C<sub>21</sub>

(.)

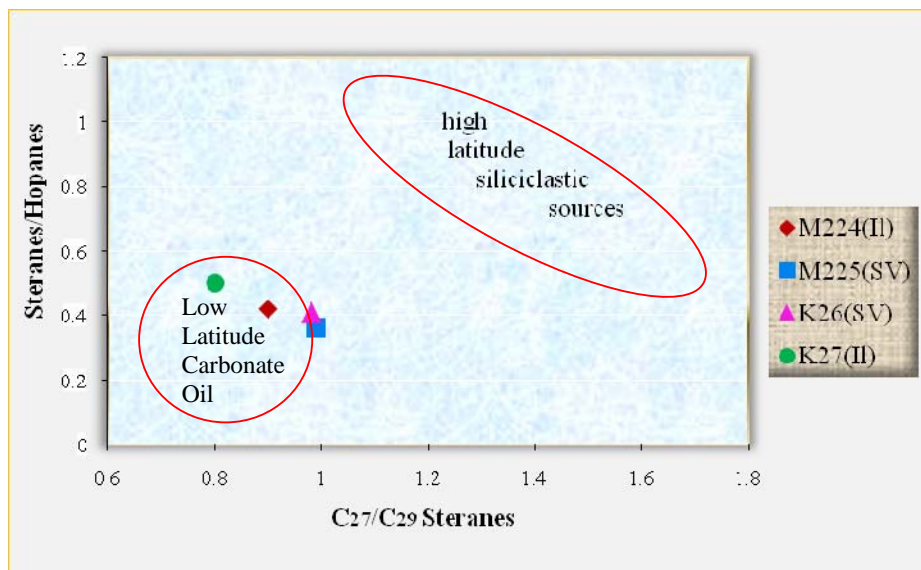


. (Andrusevich et al. 2000)

.( )

(Sterane/Hopane)

$C_{27}/C_{29}$



Steranes/Hopanes

$C_{27}/C_{29}$  Steranes

.( )

.(Behar and Albrecht 1984)

$C_{29}$ -

$C_{32}$ -Hopane 22S/22S+22R

(Ourisson et

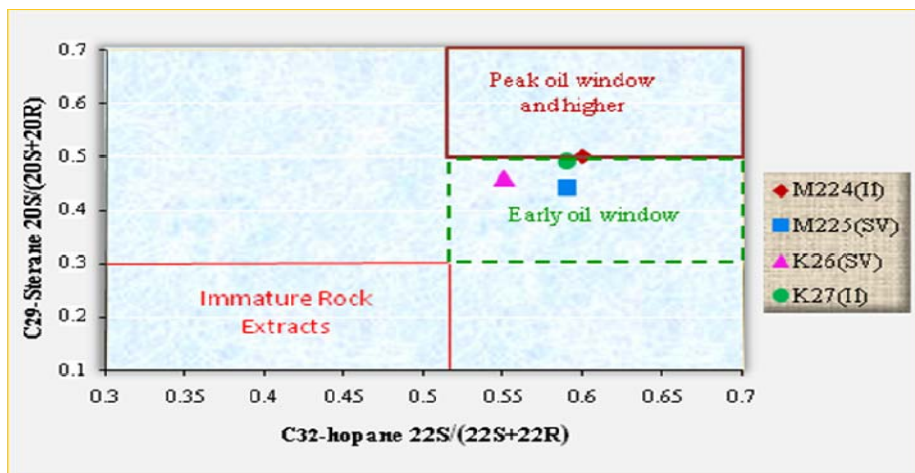
Sterane (20S/20S+20R)

. al. 1984)

Oleanane/Oleanane+Hopane

.(Peters et al. 1999)

.( )



$C_{29} \text{ 20S/20S+20R}$

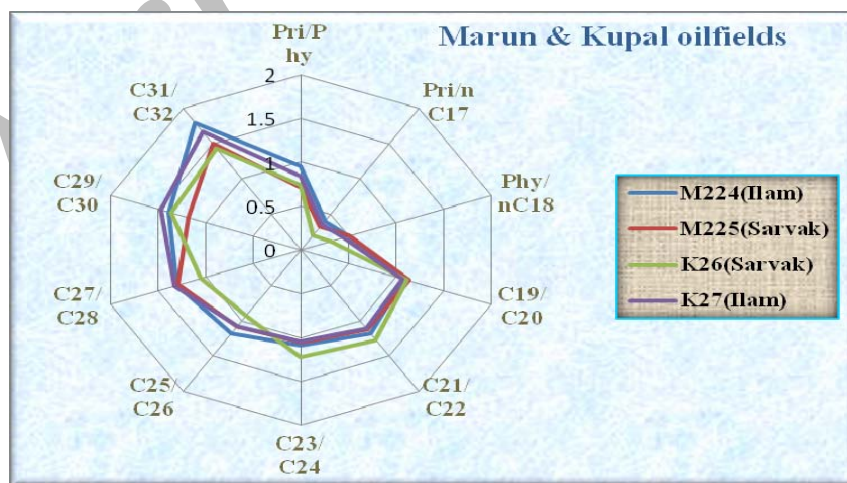
$C_{32} \text{ 22S/22S+22R}$

( )

$C_{31}/C_{32}$ ,  $C_{29}/C_{30}$ ,  $C_{27}/C_{28}$

(Kaufman et al. 1990)

( )



( )

(Waples and Curiale

.1999)

API

(Kamali and Ghorbani 2006)

API

(Kamali

. and Ghorbani 2006)

API

(Kamali and Ghorbani

API

API

. 2006)

( )

( )

API

(Kamali

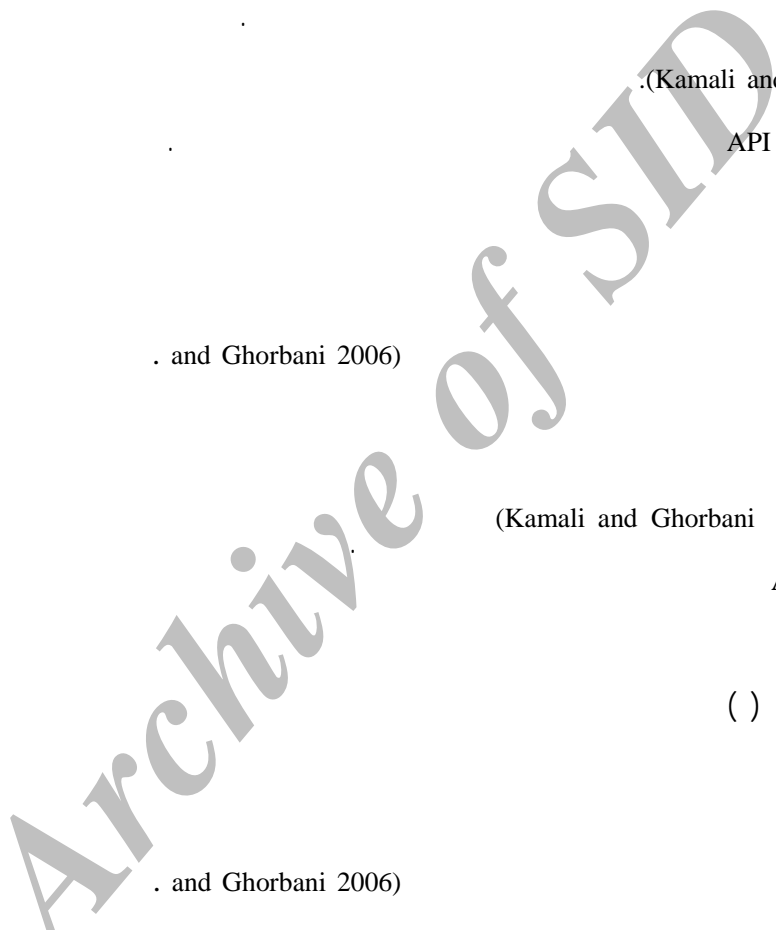
. and Ghorbani 2006)

API

Ni/V

CPI

API



(Gabrielyan 1962)

(Kamali and Ghorbani

CPI

( )

.2006)

API

Oilfield	Well No.	Depth (m)	Reservoir	Sp.Gr 60/60F	API	Pour Point °C	Kin. Viscosity Cst			Sulfur Wt%	V-Ni (ppm) V Ni		CPI
							10°C	20°C	40°C				
Marun	224	***	Ilam	0.86	32.37	-15	23	12.37	6.3	1.36	34.1	7.9	<b>0.98</b>
Marun	225	3654	Sarvak	0.90	25.65	-18	90.57	47	18.75	2.37	62.6	18.3	<b>0.92</b>
Kupal	26	4396	Sarvak	0.86	33.48	-18	16.2	9.34	4.99	1.52	8.8	2.6	<b>0.98</b>
Kupal	27	***	Ilam	0.86	32.92	-24	15.26	9.8	5.25	1.5	22.1	5.6	<b>1</b>

stable isotopic s of carbon and sulfur in Marun oilfields. SW.Iran. Iranian Journal of Science and Technology.

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(m/z=191)

(m/z=217)

III II II  
C<sub>29</sub> C<sub>27</sub>,C<sub>28</sub>

Tricyclic Terpanes

Oleanane/Oleanane+Hopane

C<sub>28</sub>/C<sub>29</sub>

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