Triton Analytics Corporation
16840 Barker Springs, #302
Houston, TX 77084

Z-type Summary

sample: **Jet Fuel**

data file/run date 101311a 12/5/2001
TAC ref: qa
Assumed HTSD recovery: **100 % boiling below 1000F**

Note: values reported represent only a "best estimate"
Weight Percentage

Iso/normal paraffin ratio

weighted average	1.44

average carbon # of n-paraffins	11.9

Z number Summary

+2	33.83	Paraffins:	33.83
+0	27.73		
-2	17.28		
-4	4.03	Cyclanes:	49.03
-6p	0.00	Phenols	
-6	10.32		
-8	3.07		
-10b	0.14	Benzothiophenes	
-10	0.69	Monoaros:	14.22
-12	2.35		
-14	0.46		
-15	0.00	Carbazoles	
-16db	0.00	Dibenzothiophenes	
-16	0.04	Diaros:	2.85
-18	0.08		
-20	0.00		
-22bn	0.00	Benzonaphthothiophenes	
-22	0.00	Triaros:	0.08
-24	0.00		
-26	0.00		
-28	0.00	Tetraaros:	0.00
-30	0.00		
-32	0.00	Pentaaros:	0.00
			100.00

average # of carbons	11.8
average # of hydrogens	22.4
average # of oxygens	0.00
average # of sulfurs	0.00
average # of nitrogens	0.00
average molecular weight	163.7

phenolic oxygen	0.00 wt %
thiophenic sulfur	0.03 wt %
carbazolic nitrogen	0.00 wt %

Analyst: Calvin R. Blakley

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Houston, TX 77084
Z-Type vs. Carbon Number

sample: **Jet Fuel**

data file/run date: 101311a 12/5/2001
TAC ref: qa
Assumed HTSD recovery: 100 % boiling below 1000F

Note: values reported represent only a "best estimate"

WT %

Z number / C#	+2(i)	+2(n)	0	-2	-4	-6 phenols	-6	-8	-10 benzo-thiophenes	-10	-12	-14	-15 carbazoles	-16 dibenzo-thiophenes	-16	-18	-20	-22 benzo-naphtho-thiophenes	-22	-24	-26	-28	-30	-32
5	0.00	0.00	0.00																					
6	0.04	0.00	0.05			0.00	0.01																	
7	0.17	0.09	0.80	0.15		0.00	0.32																	
8	0.67	0.57	2.09	0.12		0.00	1.19	0.01	0.00															
9	1.52	1.13	3.58	0.66		0.00	2.11	0.04	0.04	0.04														
10	2.48	1.85	4.53	1.77	0.08	0.00	2.23	0.25	0.03	0.04	0.25													
11	3.49	2.61	5.19	3.63	0.37	0.00	1.70	0.54	0.05	0.06	0.62													
12	3.34	2.36	3.81	3.61	0.75	0.00	1.09	0.71	0.02	0.07	0.82	0.08	0.00	0.00	0.01									
13	2.97	1.94	3.03	3.06	0.91	0.00	0.69	0.68	0.00	0.13	0.51	0.16	0.00	0.00	0.01									
14	2.18	1.48	2.11	2.05	0.84	0.00	0.47	0.46	0.00	0.16	0.12	0.14	0.00	0.00	0.01	0.07								
15	1.63	1.13	1.48	1.37	0.63	0.00	0.31	0.25	0.00	0.13	0.02	0.04	0.00	0.00	0.00	0.00								
16	1.01	0.54	0.76	0.61	0.32		0.15	0.10	0.00	0.06	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
17	0.38	0.09	0.24	0.20	0.10		0.04	0.03	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
18	0.09	0.01	0.04	0.04	0.02		0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
19	0.01	0.01	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
20	0.00	0.01	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.01	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00			0.00	0.00				
28	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00			0.00	0.00				
29	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00			0.00	0.00				
30	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
31	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
32	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
33	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
34	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
35	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
36	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
37	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
38	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
39	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
40	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00			0.00	0.00								
sum	19.99	13.84	27.73	17.28	4.03	0.00	10.32	3.07	0.14	0.69	2.35	0.46	0.00	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

100.00

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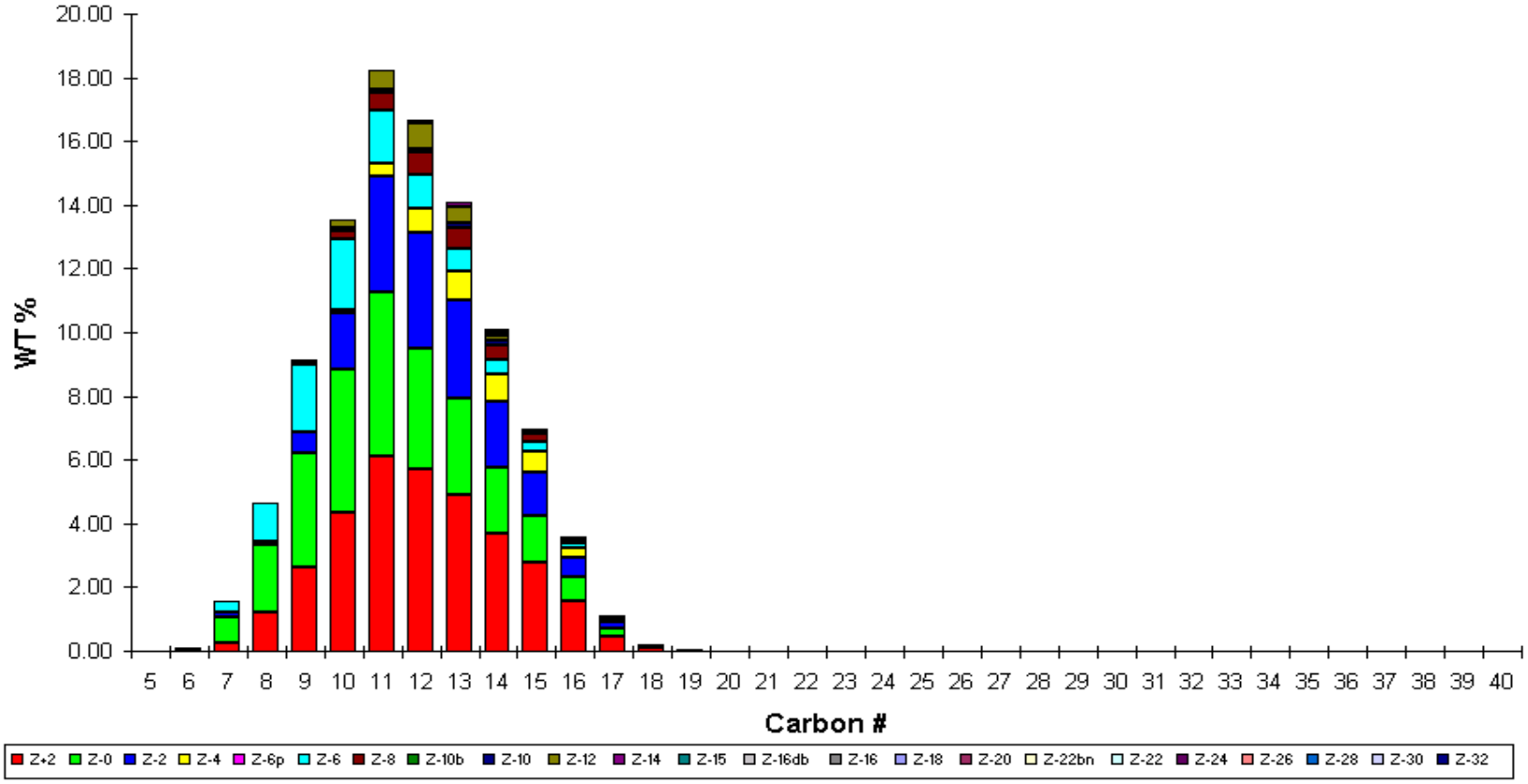
Z-type Distribution

Jet Fuel



Triton Analytics Corporation
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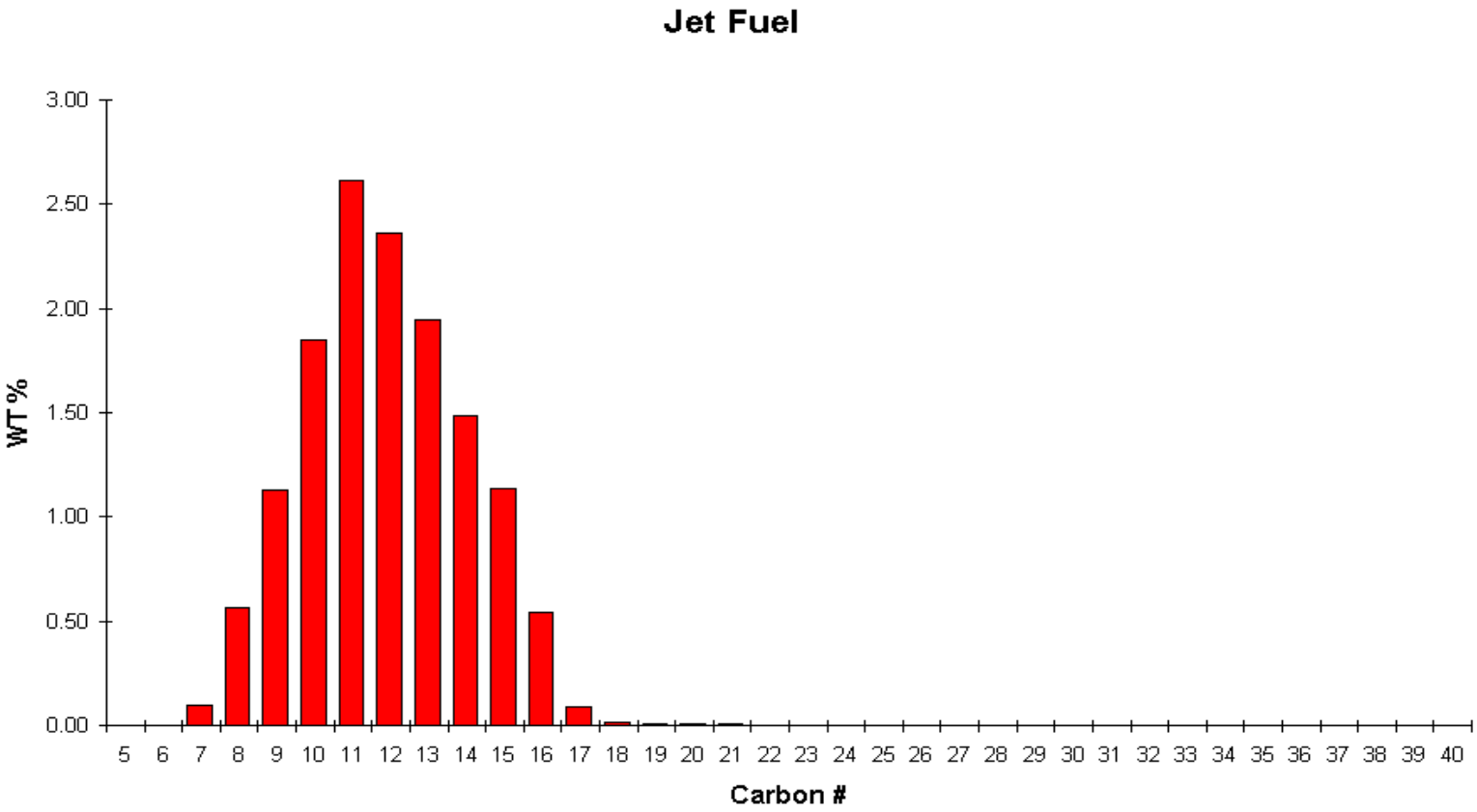
Normal Paraffin Distribution



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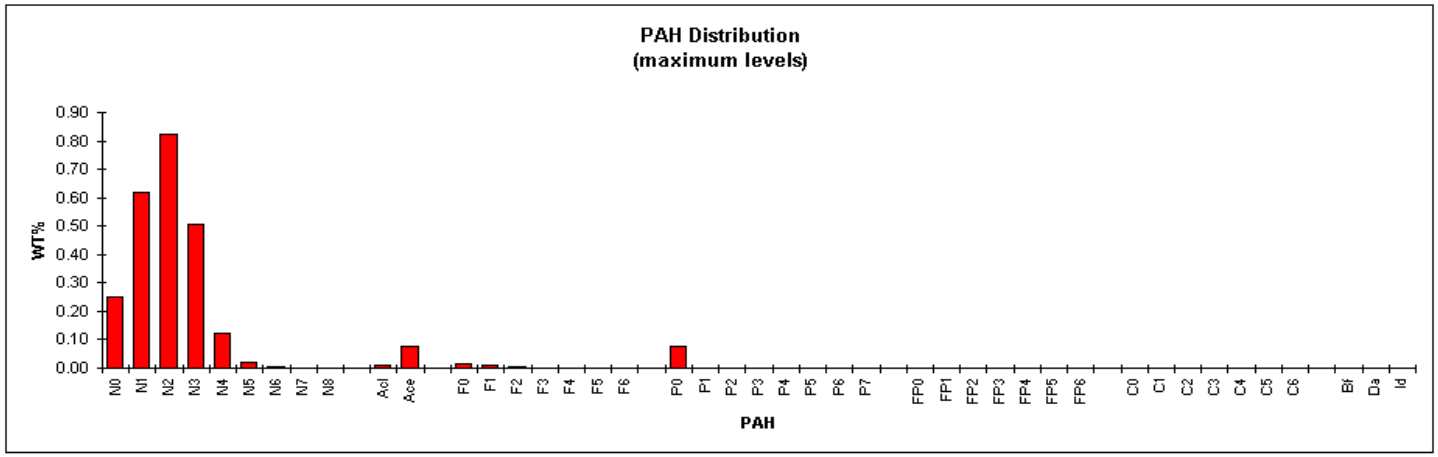
sample name: **Jet Fuel**
run date: 12/5/2001

data file: **101311a**
TAC ref: qa



N0	naphthalene
N1	C1-naphthalenes
N2	C2-naphthalenes
N3	C3-naphthalenes
N4	C4-naphthalenes
N5	C5-naphthalenes
N6	C6-naphthalenes
N7	C7-naphthalenes
N8	C8-naphthalenes
Acl	Acenaphthylene
Ace	Acenaphthene

F0	Fluorene
F1	C1-fluorenes
F2	C2-fluorenes
F3	C3-fluorenes
F4	C4-fluorenes
F5	C5-fluorenes
F6	C6-fluorenes
P0	Anthracene/phenanthrene
P1	C1-anthracene/phenanthrenes
P2	C2-anthracene/phenanthrenes
P3	C3-anthracene/phenanthrenes
P4	C4-anthracene/phenanthrenes
P5	C5-anthracene/phenanthrenes
P6	C6-anthracene/phenanthrenes
P7	C7-anthracene/phenanthrenes
P8	C8-anthracene/phenanthrenes

FP0	Fluoranthene/pyrene
FP1	C1-fluoranthene/pyrenes
FP2	C2-fluoranthene/pyrenes
FP3	C3-fluoranthene/pyrenes
FP4	C4-fluoranthene/pyrenes
FP5	C5-fluoranthene/pyrenes
FP6	C6-fluoranthene/pyrenes
C0	Benzo(a)anthracene/chrysene
C1	C1-Benzo(a)anthracene/chrysenes
C2	C2-Benzo(a)anthracene/chrysenes
C3	C3-Benzo(a)anthracene/chrysenes
C4	C4-Benzo(a)anthracene/chrysenes
C5	C5-Benzo(a)anthracene/chrysenes
C6	C6-Benzo(a)anthracene/chrysenes
Bf	Benzo(b),(k)fluoranthenes/(a)pyrene
Da	Dibenz(a,h)anthracene
Id	Indeno(1,2,3-cd)pyrene/benzo(ghi)perylene

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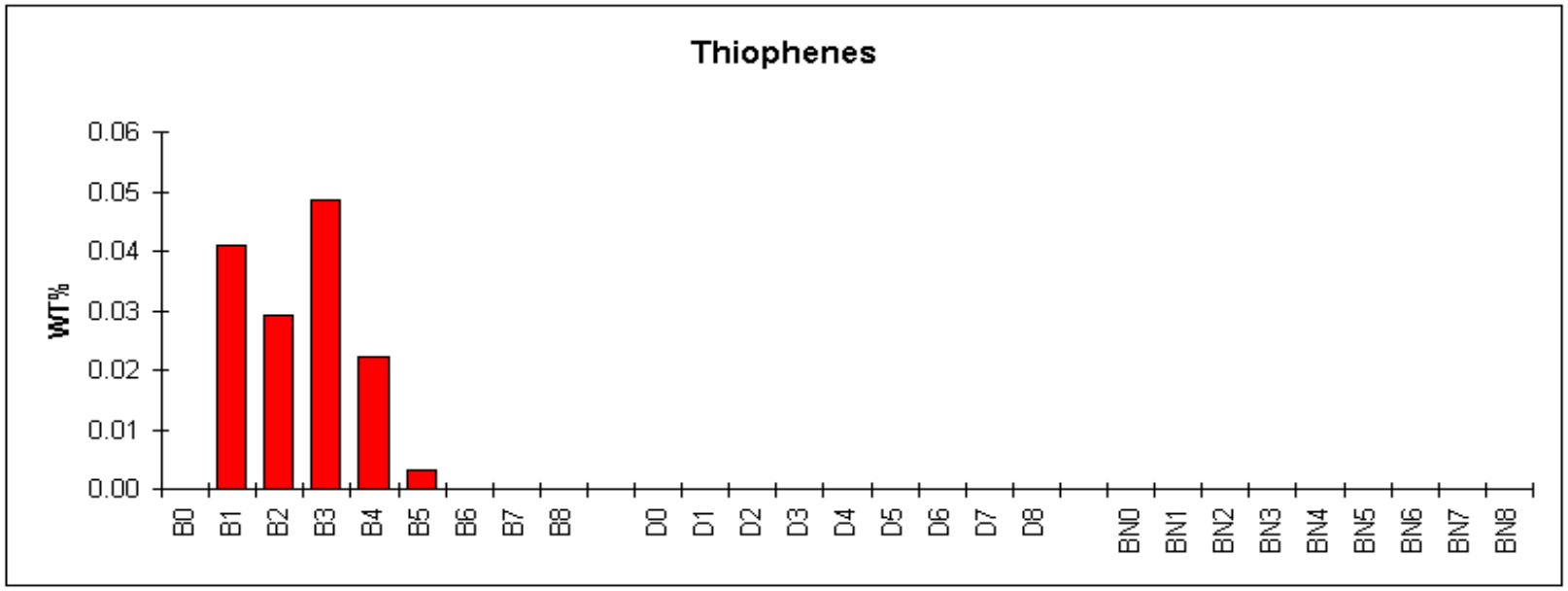

B0	Benzothiophene	D0	Dibenzothiophene	BN0	Benzonaphthothiophene
B1	C1-benzothiophenes	D1	C1-dibenzothiophenes	BN1	C1-Benzonaphthothiophenes
B2	C2-benzothiophenes	D2	C2-dibenzothiophenes	BN2	C2-Benzonaphthothiophenes
B3	C3-benzothiophenes	D3	C3-dibenzothiophenes	BN3	C3-Benzonaphthothiophenes
B4	C4-benzothiophenes	D4	C4-dibenzothiophenes	BN4	C4-Benzonaphthothiophenes
B5	C5-benzothiophenes	D5	C5-dibenzothiophenes	BN5	C5-Benzonaphthothiophenes
B6	C6-benzothiophenes	D6	C6-dibenzothiophenes	BN6	C6-Benzonaphthothiophenes
B7	C7-benzothiophenes	D7	C7-dibenzothiophenes	BN7	C7-Benzonaphthothiophenes
B8	C8-benzothiophenes	D8	C8-dibenzothiophenes	BN8	C8-Benzonaphthothiophenes

average molecular weights

168.0	Benzothiophenes	184.0	Dibenzothiophenes	234.0	Benzonaphthothiophenes

weight percent thiophenic sulfur 0.03 %