

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052925AL\
 Data File : FE054078.D
 Signal(s) : FID1B.ch
 Acq On : 29 May 2025 18:35
 Operator : YP\AJ
 Sample : Q2146-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP04-MHN-WCMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/30/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e

Quant Time: May 30 01:36:59 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M

Quant Title : GC Extractables

QLast Update : Wed May 14 12:15:41 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.839	4584274	28.209 ug/ml
Spiked Amount 50.000		Recovery =	56.42%
12) S 1-chlorooctadecane (S...	13.284	4068869	34.322 ug/ml
Spiked Amount 50.000		Recovery =	68.64%
Target Compounds			
1) T n-Nonane (C9)	3.187	2835815	20.982 ug/ml
2) T n-Decane (C10)	4.450	3236316	23.949 ug/ml
3) T A~Naphthalene (C11.7)	6.163	4230580	29.437 ug/ml
4) T n-Dodecane (C12)	6.631	3717548	27.254 ug/ml
5) T A~2-methylnaphthalene...	7.265	4008247	28.897 ug/ml
6) T n-Tetradecane (C14)	8.467	4012652	29.735 ug/ml
7) T n-Hexadecane (C16)	10.079	4448962	32.971 ug/ml
8) T n-Octadecane (C18)	11.526	4673793	34.708 ug/mlm
10) T n-Eicosane (C20)	12.839	4964205	37.771 ug/ml
11) T n-Heneicosane (C21)	13.453	4806752	37.077 ug/ml
13) T n-Docosane (C22)	14.040	4761604	37.324 ug/ml
14) T n-Tetracosane (C24)	15.138	9998319	79.912 ug/ml
15) T n-Hexacosane (C26)	16.170	4652377	37.994 ug/ml
16) T n-Octacosane (C28)	17.120	4762266	39.175 ug/ml
17) T n-Tricontane (C30)	18.011	4565148	36.649 ug/ml
18) T n-Dotriacontane (C32)	18.843	4540987	36.312 ug/mlm
19) T n-Tetratriacontane (C34)	19.627	4592862	38.556 ug/ml
20) T n-Hexatriacontane (C36)	20.370	4737291	40.914 ug/ml
21) T n-Octatriacontane (C38)	21.100	4887249	44.909 ug/ml
22) T n-Tetracontane (C40)	21.992	4829903	48.673 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q2146-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

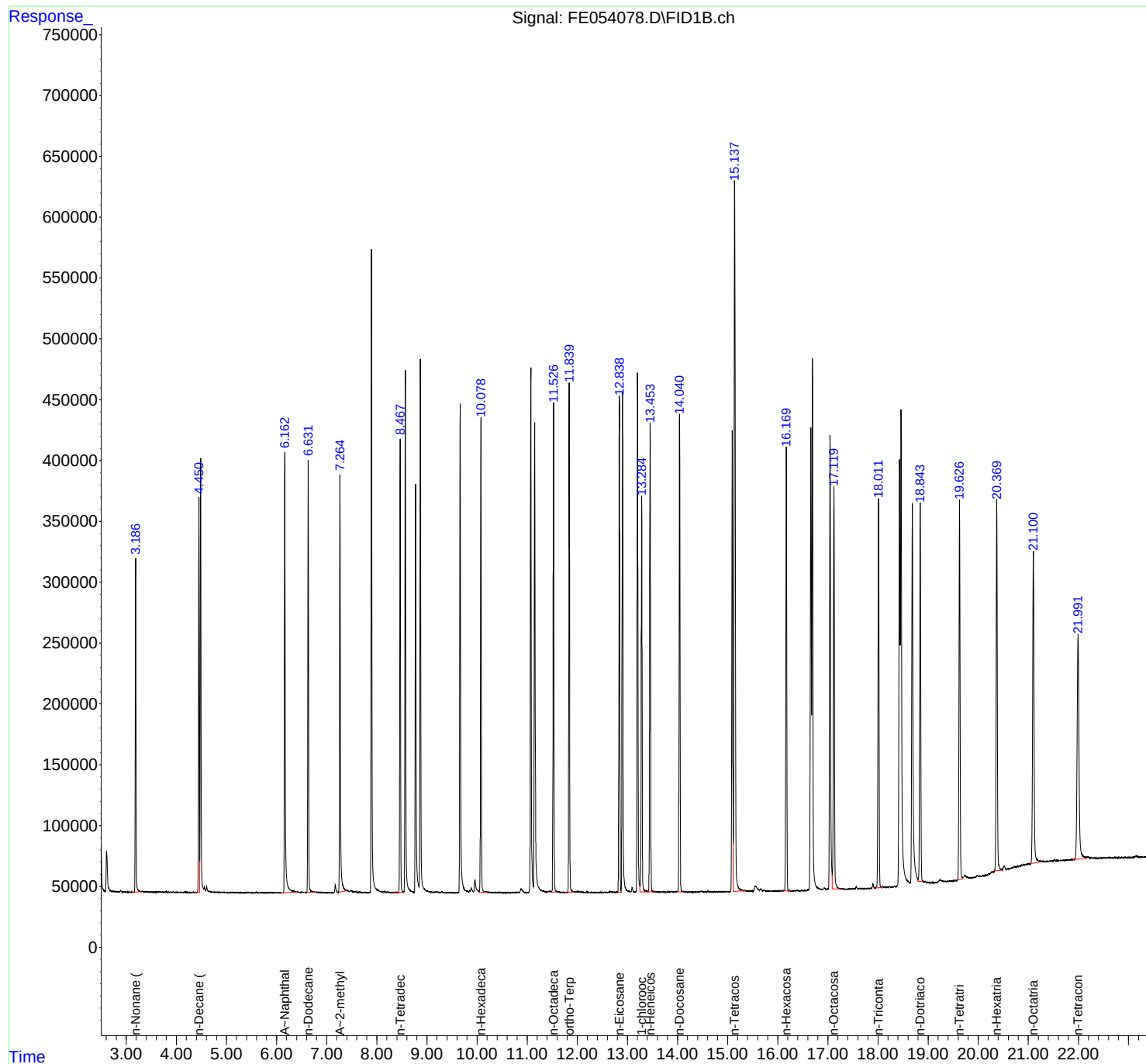
Instrument :
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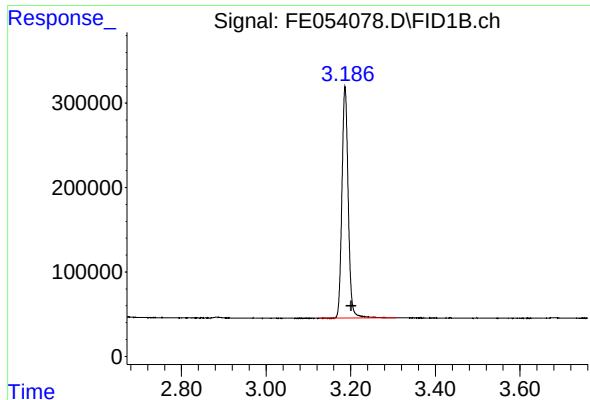
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.187 min
Delta R.T.: -0.015 min
Response: 2835815
Conc: 20.98 ug/ml

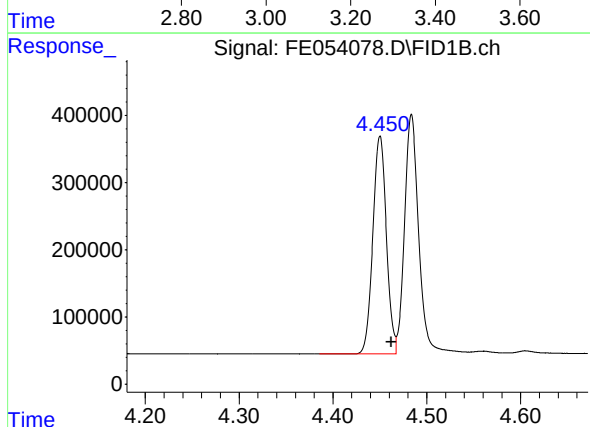
Instrument :

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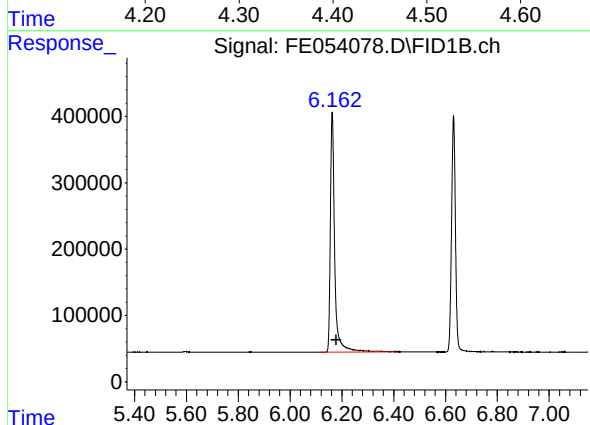
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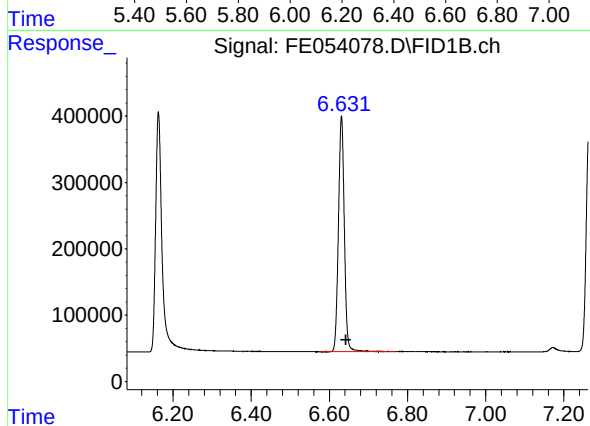
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.012 min
Response: 3236316
Conc: 23.95 ug/ml



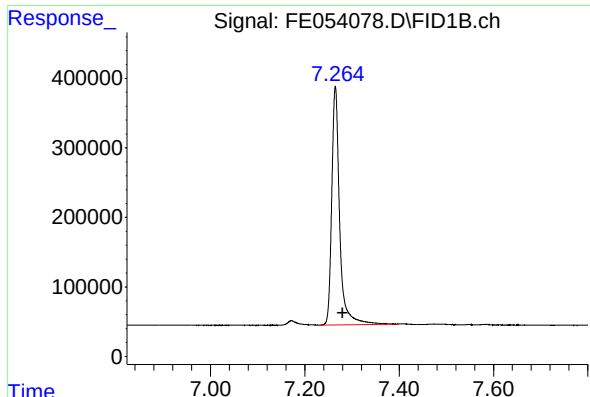
#3 A~Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: -0.015 min
Response: 4230580
Conc: 29.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.011 min
Response: 3717548
Conc: 27.25 ug/ml



#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.265 min
Delta R.T.: -0.015 min
Response: 4008247
Conc: 28.90 ug/ml

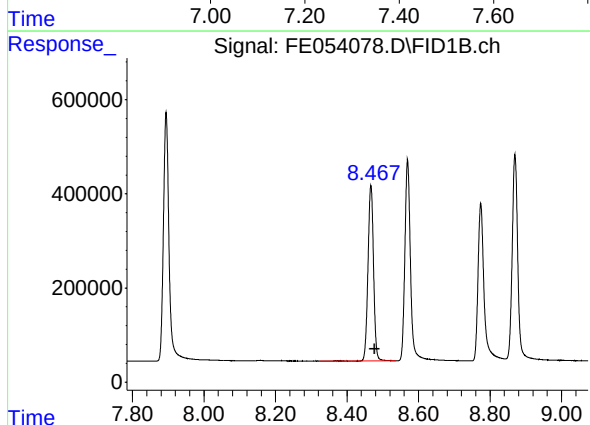
Instrument :

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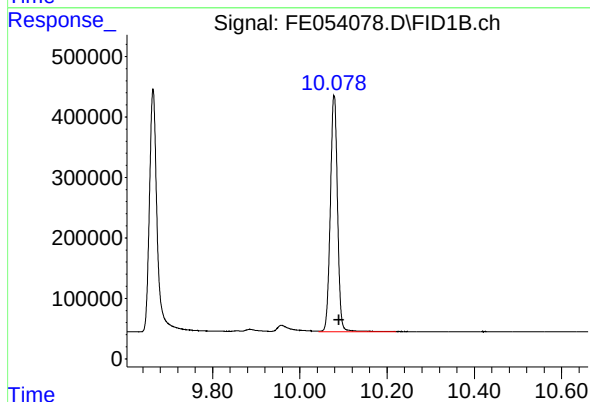
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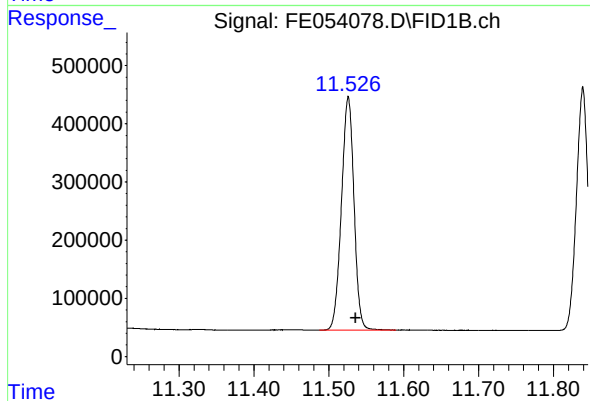
#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: -0.010 min
Response: 4012652
Conc: 29.73 ug/ml



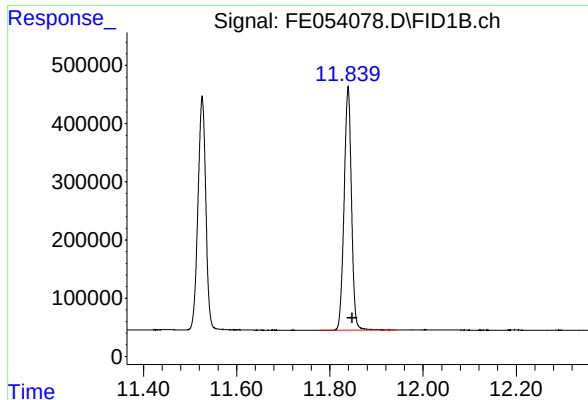
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.011 min
Response: 4448962
Conc: 32.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.010 min
Response: 4673793
Conc: 34.71 ug/ml m



#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 4584274
Conc: 28.21 ug/ml

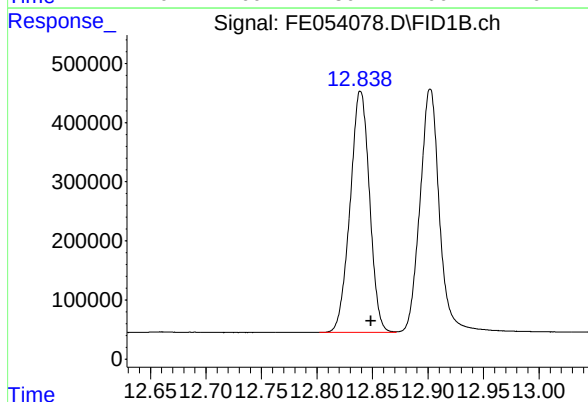
Instrument :

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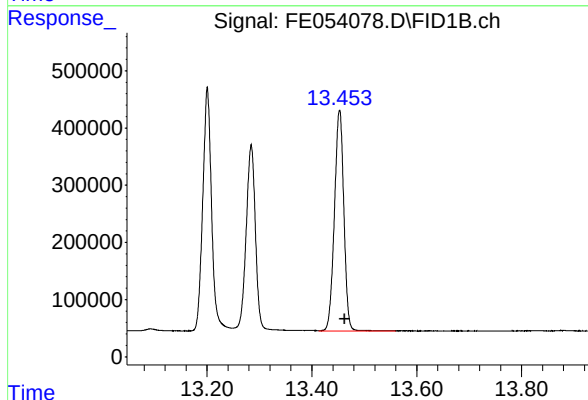
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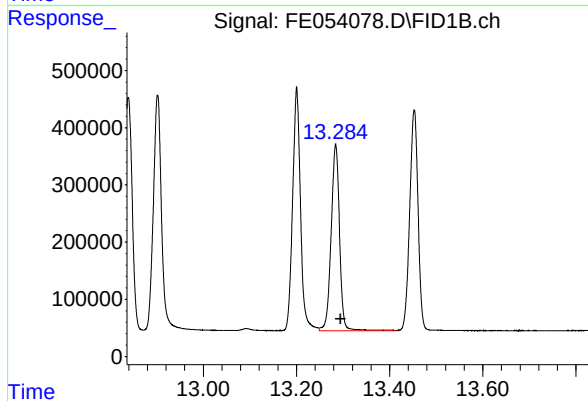
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.009 min
Response: 4964205
Conc: 37.77 ug/ml



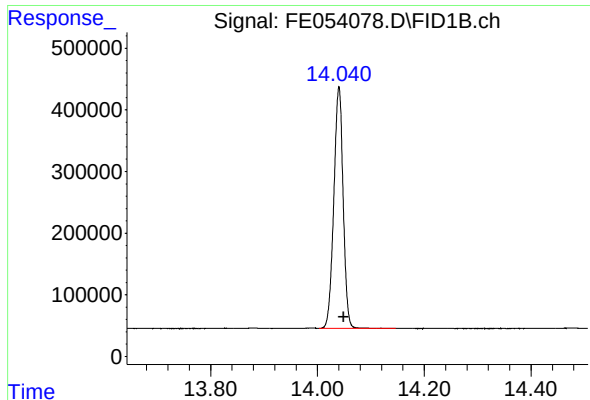
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.010 min
Response: 4806752
Conc: 37.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.284 min
Delta R.T.: -0.010 min
Response: 4068869
Conc: 34.32 ug/ml



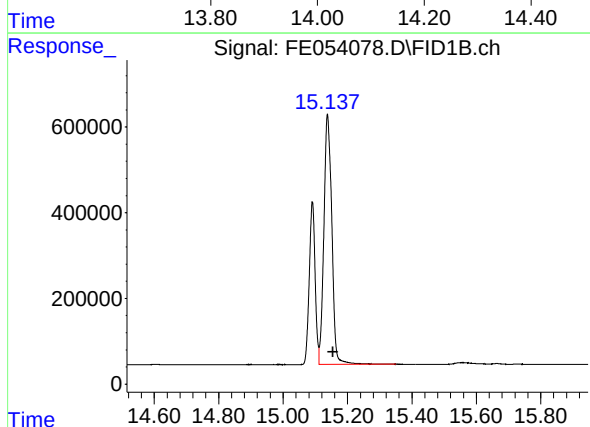
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.009 min
Response: 4761604
Conc: 37.32 ug/ml

Instrument :
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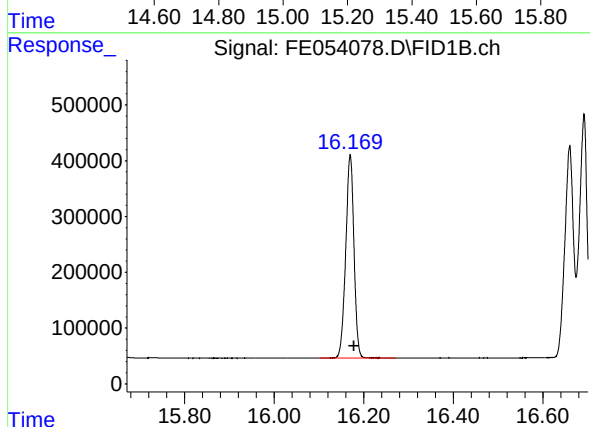
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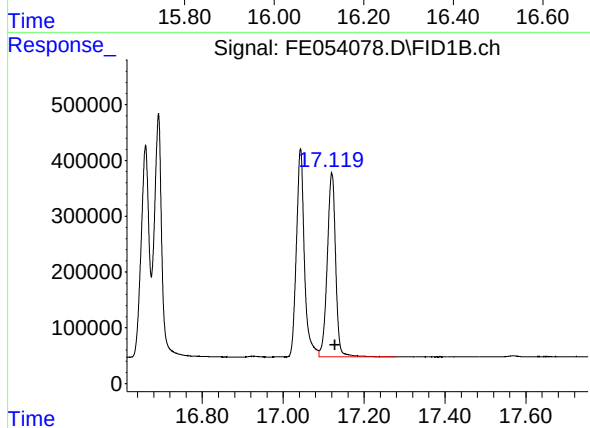
#14 n-Tetracosane (C24)

R.T.: 15.138 min
Delta R.T.: -0.017 min
Response: 9998319
Conc: 79.91 ug/ml



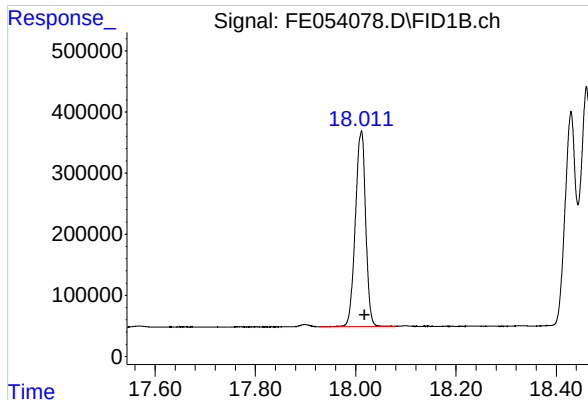
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 4652377
Conc: 37.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.008 min
Response: 4762266
Conc: 39.18 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 4565148
Conc: 36.65 ug/ml

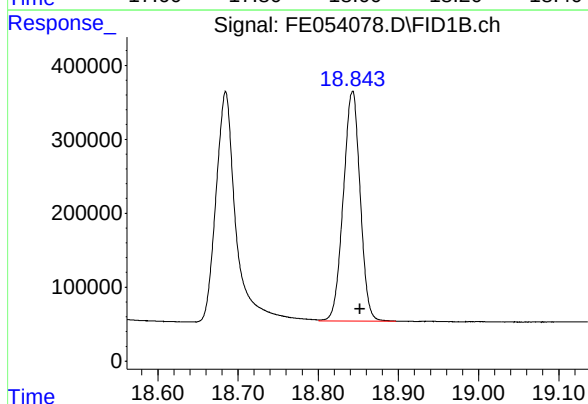
Instrument :

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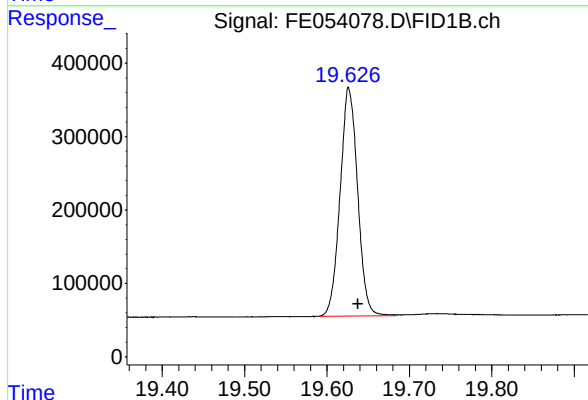
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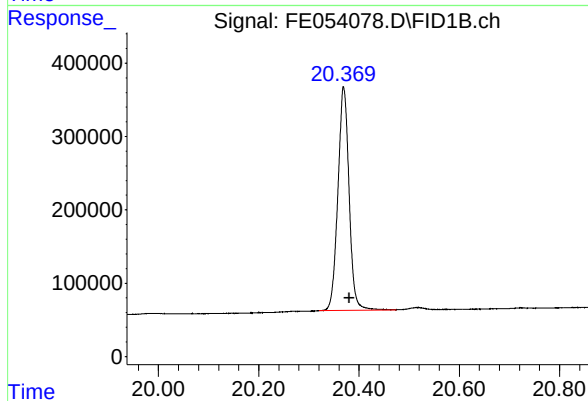
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.009 min
Response: 4540987
Conc: 36.31 ug/ml m



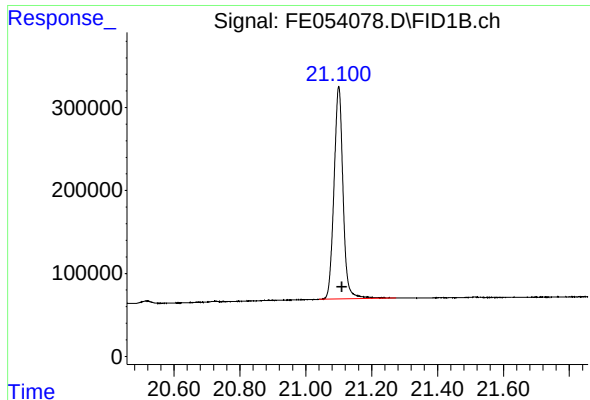
#19 n-Tetatriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.011 min
Response: 4592862
Conc: 38.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.011 min
Response: 4737291
Conc: 40.91 ug/ml



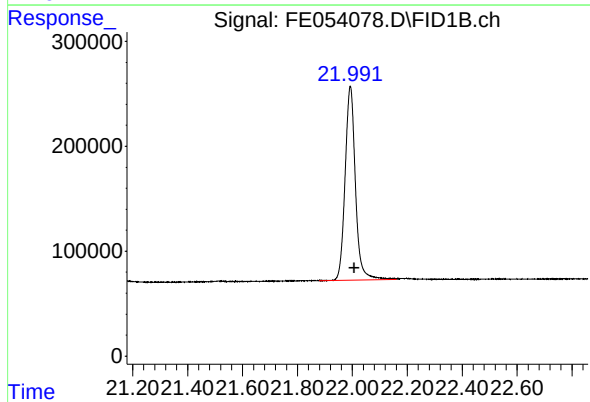
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 4887249
Conc: 44.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.014 min
Response: 4829903
Conc: 48.67 ug/ml