

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054350.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 21:13
 Operator : YP\AJ
 Sample : PB168438BSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168438BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/13/2025

Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e

Quant Time: Jun 13 05:42:40 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 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)	11.827	6549393	39.637 ug/ml
Spiked Amount 50.000		Recovery =	79.27%
12) S 1-chlorooctadecane (S...	13.270	5260120	43.134 ug/mlm
Spiked Amount 50.000		Recovery =	86.27%
Target Compounds			
1) T n-Nonane (C9)	3.184	4182679	33.682 ug/ml
2) T n-Decane (C10)	4.443	4435992	35.701 ug/ml
3) T A~Naphthalene (C11.7)	6.153	5683779	42.058 ug/ml
4) T n-Dodecane (C12)	6.621	5056281	39.709 ug/ml
5) T A~2-methylnaphthalene...	7.255	5365293	40.507 ug/ml
6) T n-Tetradecane (C14)	8.456	5291236	40.870 ug/ml
7) T n-Hexadecane (C16)	10.067	5465070	41.141 ug/ml
8) T n-Octadecane (C18)	11.513	5560469	41.179 ug/ml
10) T n-Eicosane (C20)	12.827	5783383	43.232 ug/ml
11) T n-Heneicosane (C21)	13.439	5555003	41.777 ug/ml
13) T n-Docosane (C22)	14.026	5514419	42.056 ug/ml
14) T n-Tetracosane (C24)	15.126	11381372	88.232 ug/ml
15) T n-Hexacosane (C26)	16.155	5337663	42.521 ug/ml
16) T n-Octacosane (C28)	17.105	5570197	45.422 ug/mlm
17) T n-Tricontane (C30)	17.996	5150669	41.557 ug/ml
18) T n-Dotriacontane (C32)	18.827	4782423	38.063 ug/mlm
19) T n-Tetratriacontane (C34)	19.610	3080746	24.764 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	1542530	11.983 ug/mlm
21) T n-Octatriacontane (C38)	21.077	751340	5.690 ug/mlm
22) T n-Tetracontane (C40)	21.963	433713	3.220 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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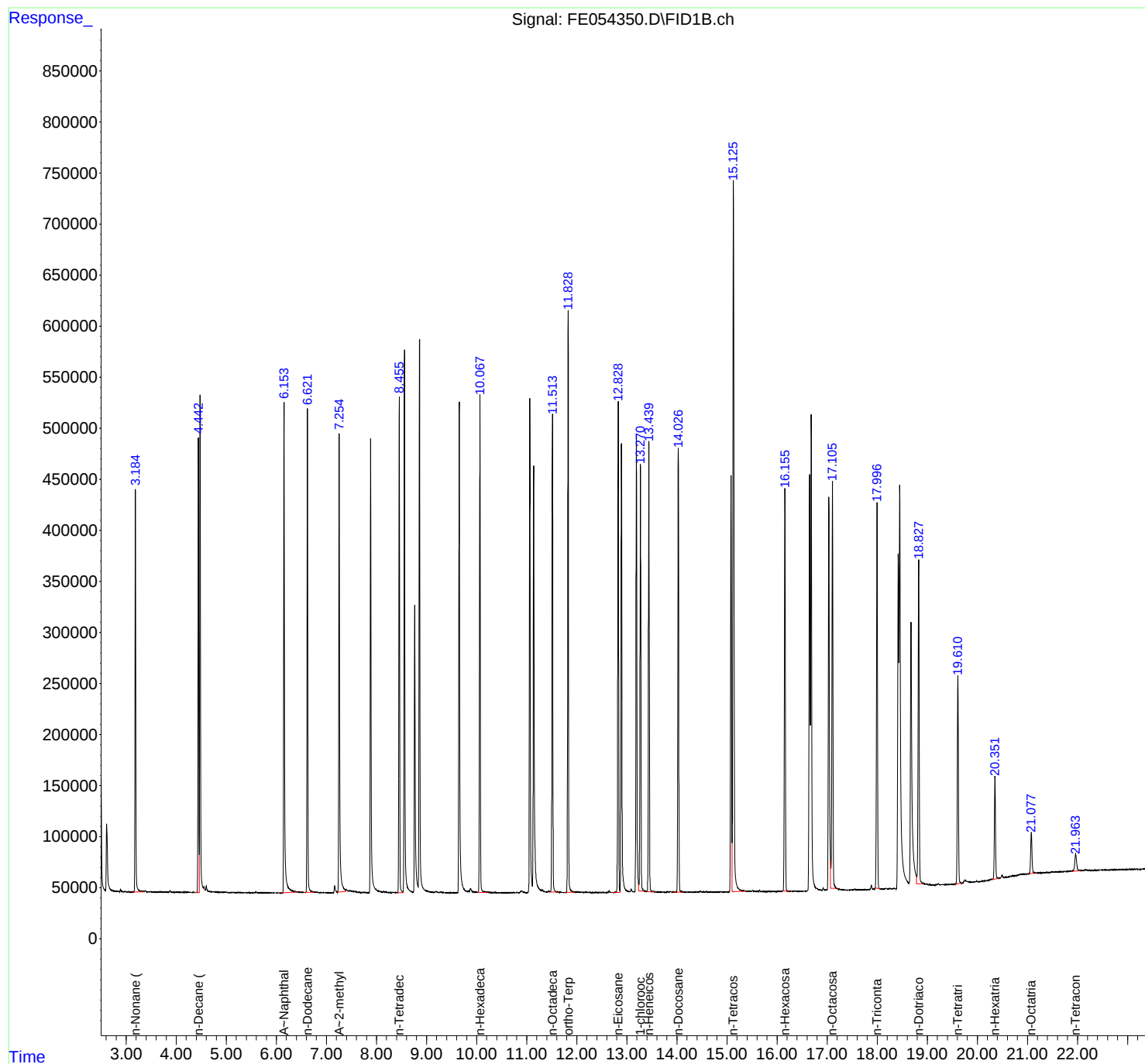
Instrument :
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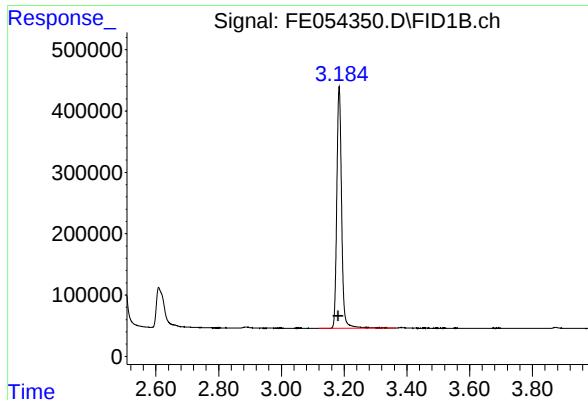
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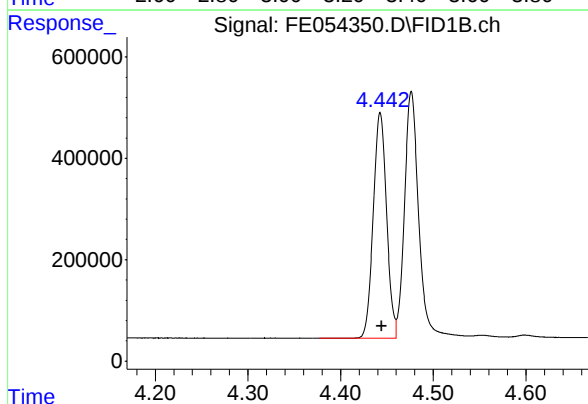
#1 n-Nonane (C9)

R.T.: 3.184 min
Delta R.T.: 0.003 min
Response: 4182679
Conc: 33.68 ug/ml

Instrument :
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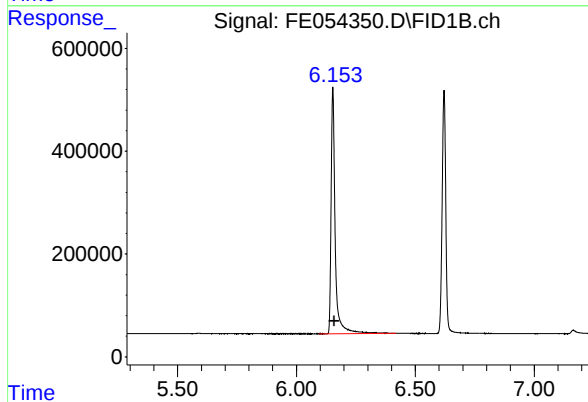
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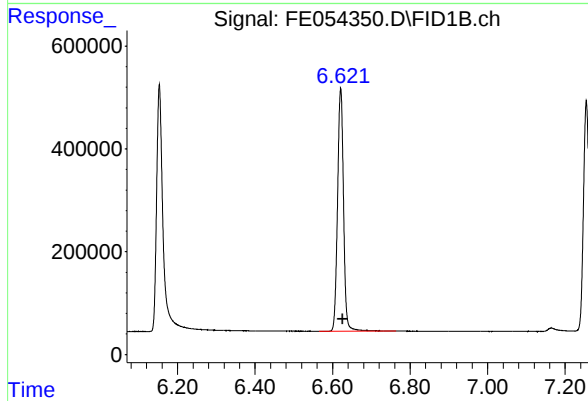
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: -0.001 min
Response: 4435992
Conc: 35.70 ug/ml



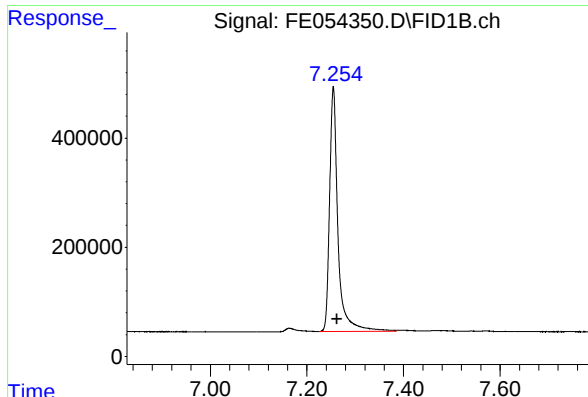
#3 A~Naphthalene (C11.7)

R.T.: 6.153 min
Delta R.T.: -0.007 min
Response: 5683779
Conc: 42.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.006 min
Response: 5056281
Conc: 39.71 ug/ml



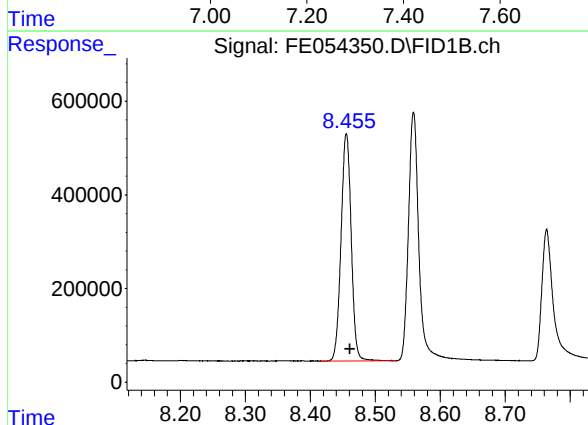
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 5365293
Conc: 40.51 ug/ml

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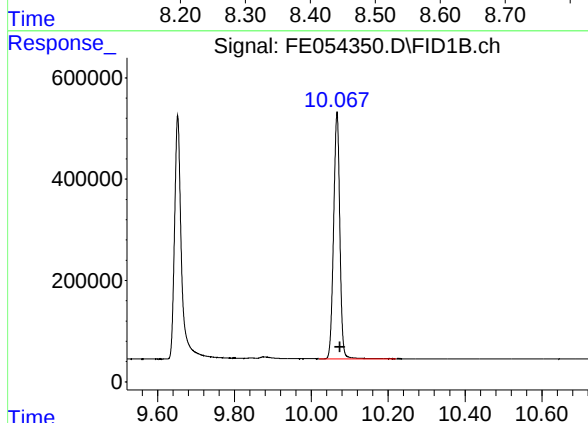
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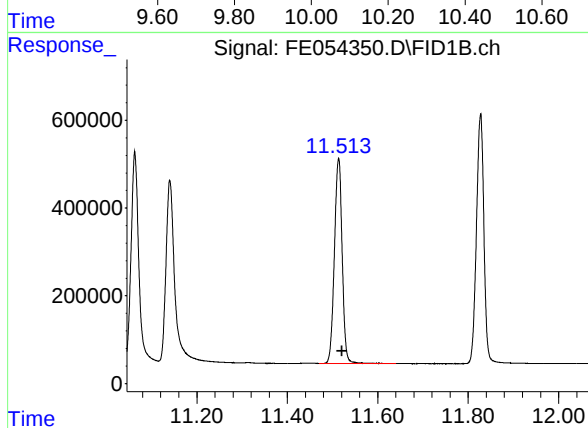
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.006 min
Response: 5291236
Conc: 40.87 ug/ml



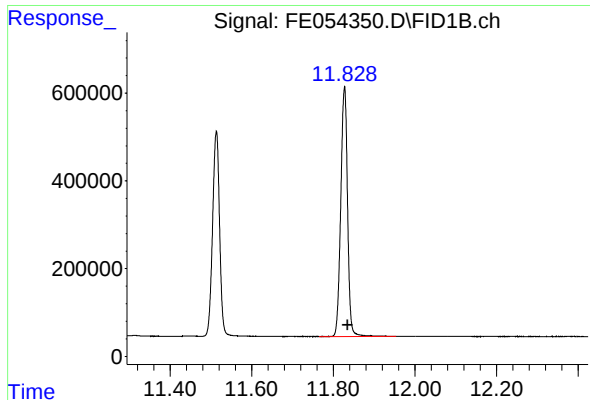
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.008 min
Response: 5465070
Conc: 41.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 5560469
Conc: 41.18 ug/ml



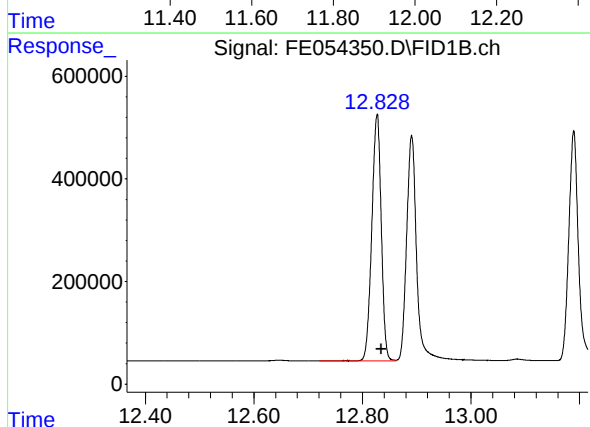
#9 ortho-Terphenyl (SURR)

R.T.: 11.827 min
Delta R.T.: -0.008 min
Response: 6549393
Conc: 39.64 ug/ml

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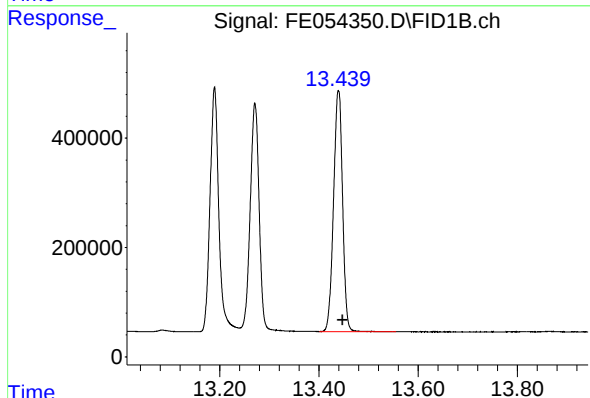
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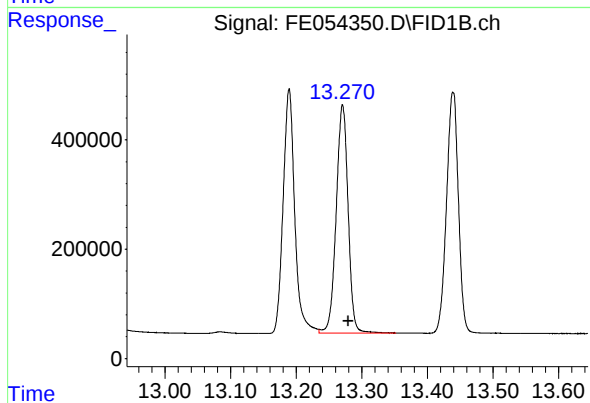
#10 n-Eicosane (C20)

R.T.: 12.827 min
Delta R.T.: -0.008 min
Response: 5783383
Conc: 43.23 ug/ml



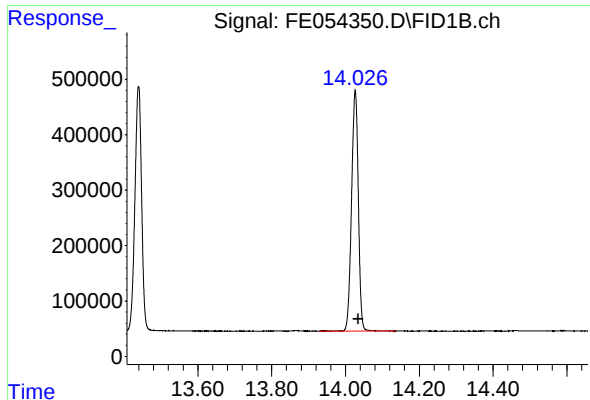
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 5555003
Conc: 41.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.009 min
Response: 5260120
Conc: 43.13 ug/ml m



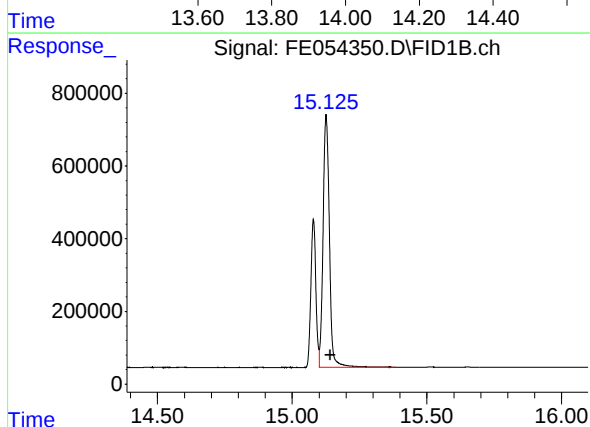
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.009 min
Response: 5514419
Conc: 42.06 ug/ml

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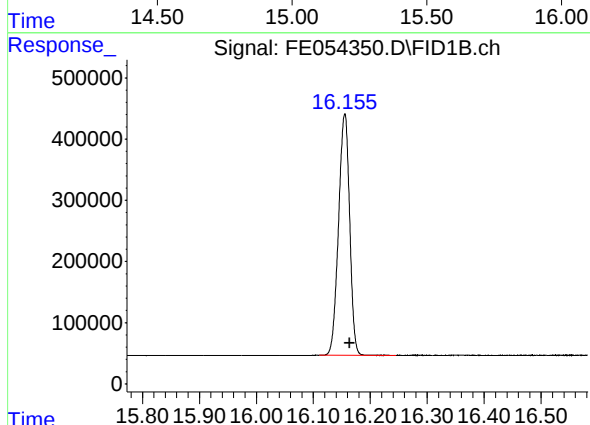
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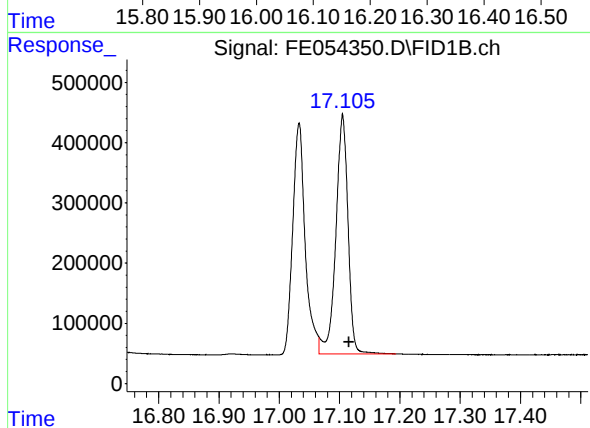
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.016 min
Response: 11381372
Conc: 88.23 ug/ml



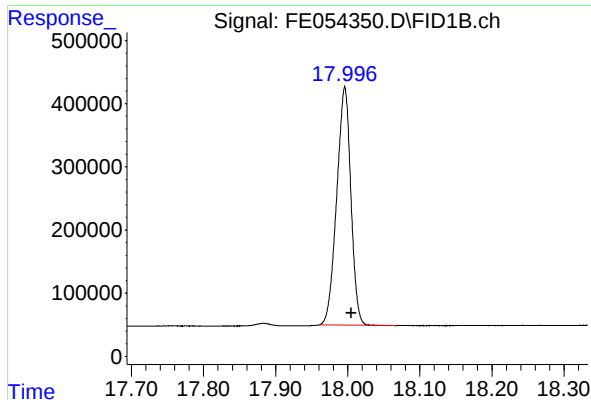
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.009 min
Response: 5337663
Conc: 42.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.011 min
Response: 5570197
Conc: 45.42 ug/ml m



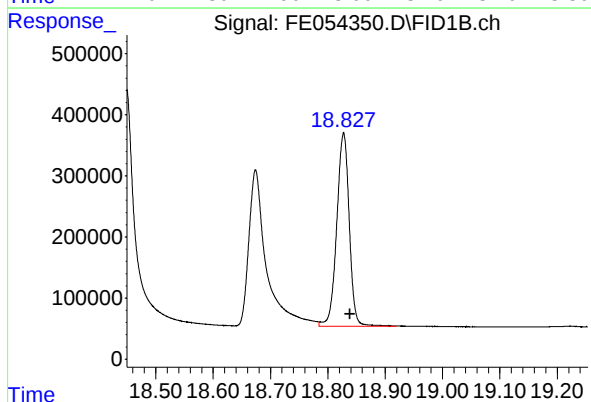
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 5150669
Conc: 41.56 ug/ml

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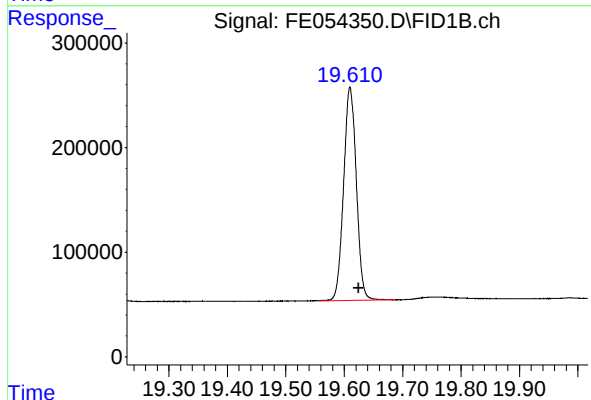
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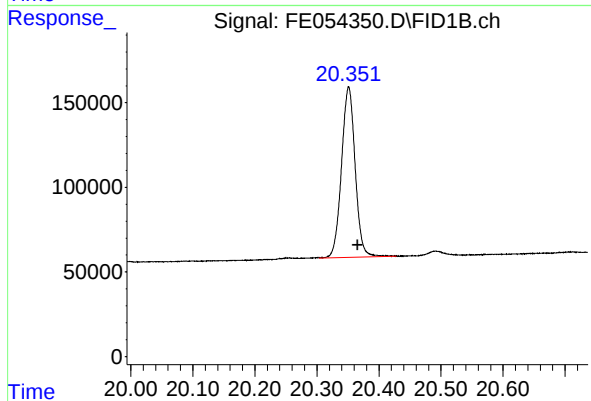
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 4782423
Conc: 38.06 ug/ml m



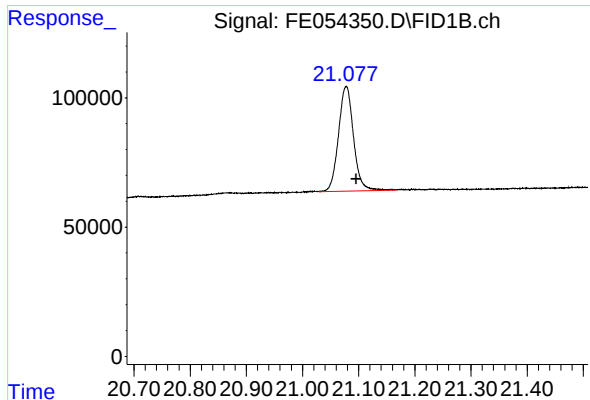
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.016 min
Response: 3080746
Conc: 24.76 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.015 min
Response: 1542530
Conc: 11.98 ug/ml m



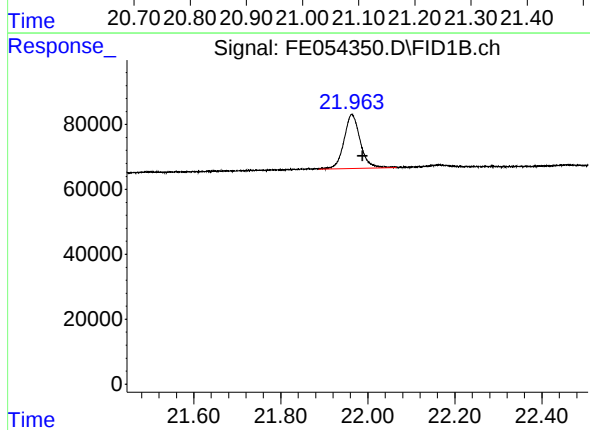
#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.019 min
Response: 751340
Conc: 5.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.025 min
Response: 433713
Conc: 3.22 ug/ml m