

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072425AL\
 Data File : FE055009.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jul 2025 08:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2025
 Supervised By :mohammad ahmed 07/26/2025

Integration File: autoint1.e
 Quant Time: Jul 25 02:18:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 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)	12.093	3497611	21.538 ug/ml
Spiked Amount 50.000		Recovery =	43.08%
12) S 1-chlorooctadecane (S...	13.528	2650914	20.990 ug/ml
Spiked Amount 50.000		Recovery =	41.98%
Target Compounds			
1) T n-Nonane (C9)	3.426	2861403	21.273 ug/ml
2) T n-Decane (C10)	4.685	3014670	22.094 ug/ml
3) T A~Naphthalene (C11.7)	6.407	3439901	22.719 ug/ml
4) T n-Dodecane (C12)	6.862	3111582	22.678 ug/ml
5) T A~2-methylnaphthalene...	7.509	3349720	22.787 ug/ml
6) T n-Tetradecane (C14)	8.700	3152872	22.744 ug/ml
7) T n-Hexadecane (C16)	10.315	3231245	22.674 ug/ml
8) T n-Octadecane (C18)	11.765	3237178	22.089 ug/ml
10) T n-Eicosane (C20)	13.080	3075947	21.391 ug/ml
11) T n-Heneicosane (C21)	13.694	3005812	21.044 ug/ml
13) T n-Docosane (C22)	14.282	2982833	20.890 ug/ml
14) T n-Tetracosane (C24)	15.389	2976765	20.478 ug/ml
15) T n-Hexacosane (C26)	16.411	2929694	20.245 ug/mlm
16) T n-Octacosane (C28)	17.367	2939287	20.168 ug/mlm
17) T n-Tricontane (C30)	18.256	3135484	19.897 ug/ml
18) T n-Dotriacontane (C32)	19.087	3189905	19.717 ug/mlm
19) T n-Tetratriacontane (C34)	19.875	3035601	19.920 ug/ml
20) T n-Hexatriacontane (C36)	20.616	2858215	21.258 ug/ml
21) T n-Octatriacontane (C38)	21.397	2717706	23.172 ug/mlm
22) T n-Tetracontane (C40)	22.394	2554996	23.573 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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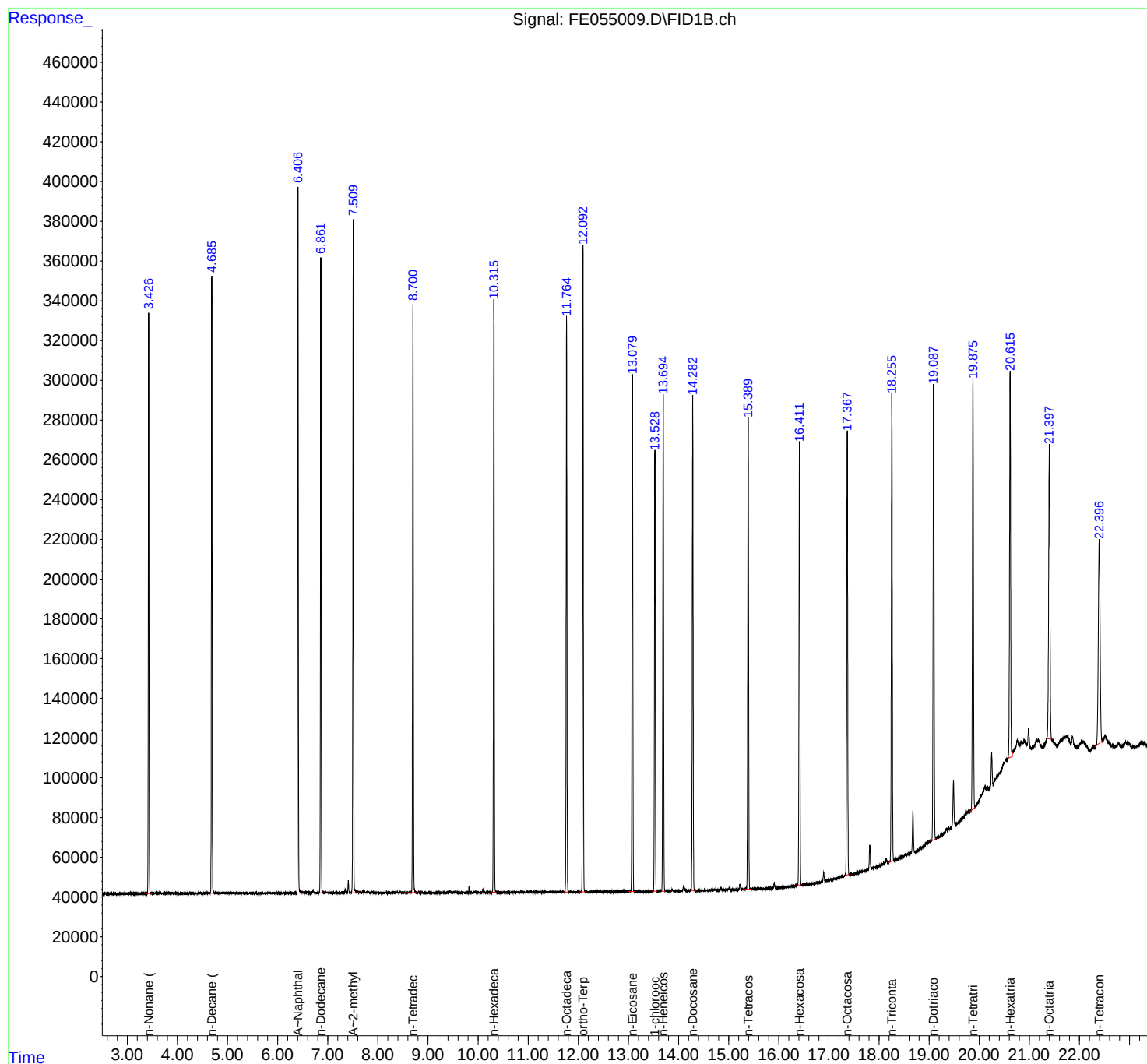
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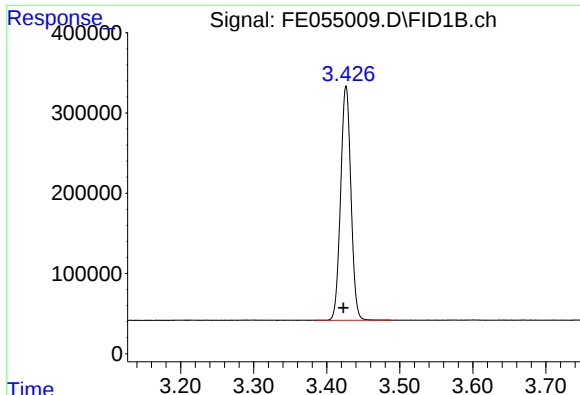
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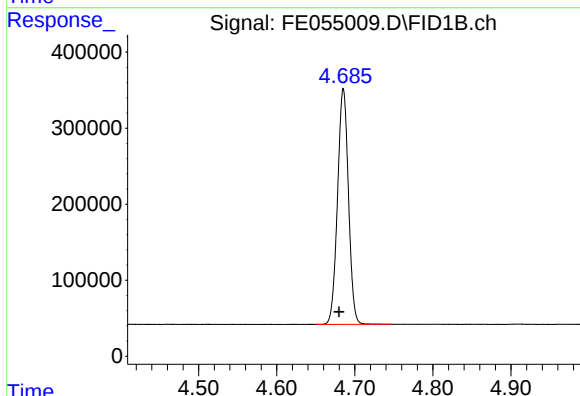
#1 n-Nonane (C9)

R.T.: 3.426 min
Delta R.T.: 0.003 min
Response: 2861403
Conc: 21.27 ug/ml

Instrument :
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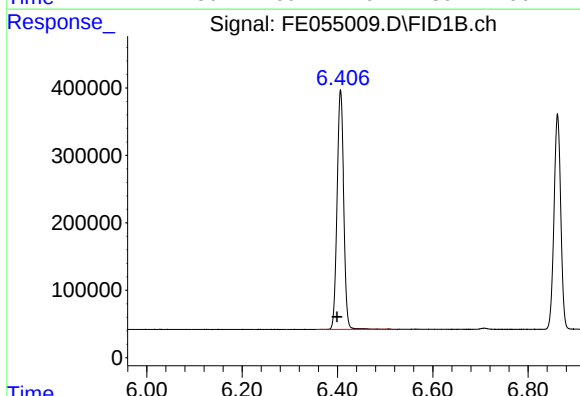
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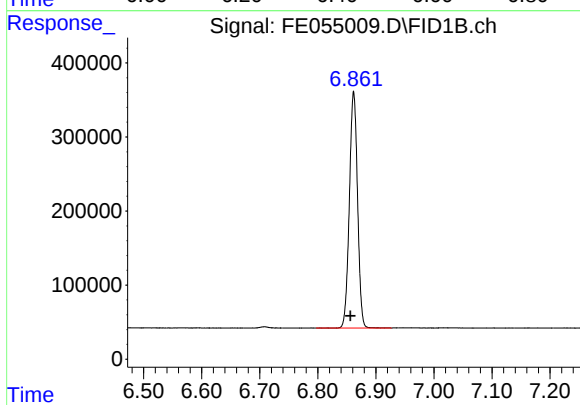
#2 n-Decane (C10)

R.T.: 4.685 min
Delta R.T.: 0.005 min
Response: 3014670
Conc: 22.09 ug/ml



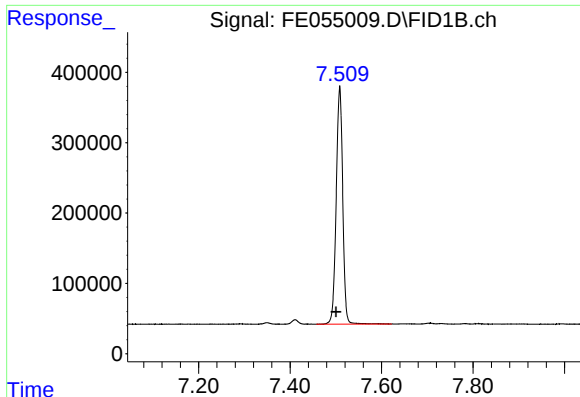
#3 A~Naphthalene (C11.7)

R.T.: 6.407 min
Delta R.T.: 0.008 min
Response: 3439901
Conc: 22.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.862 min
Delta R.T.: 0.006 min
Response: 3111582
Conc: 22.68 ug/ml



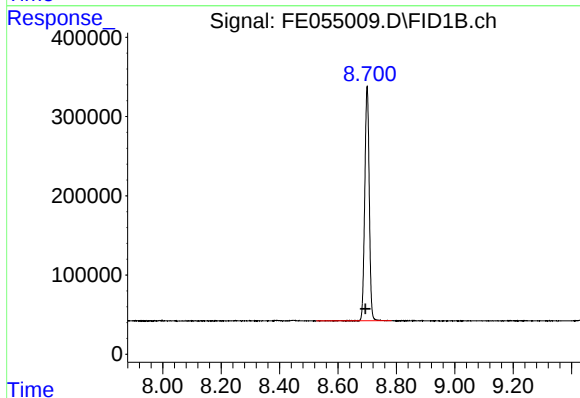
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.509 min
Delta R.T.: 0.008 min
Response: 3349720
Conc: 22.79 ug/ml

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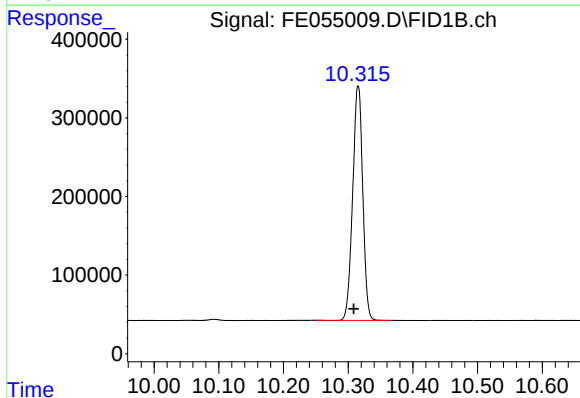
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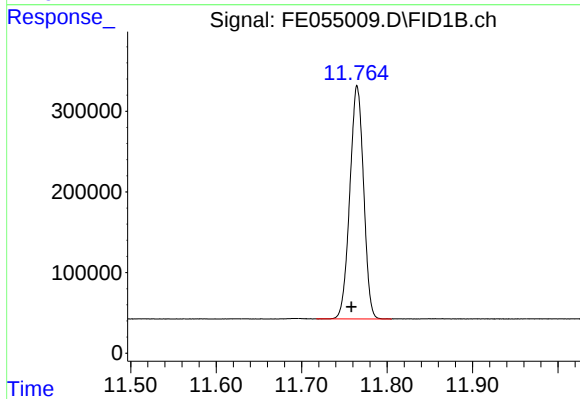
#6 n-Tetradecane (C14)

R.T.: 8.700 min
Delta R.T.: 0.006 min
Response: 3152872
Conc: 22.74 ug/ml



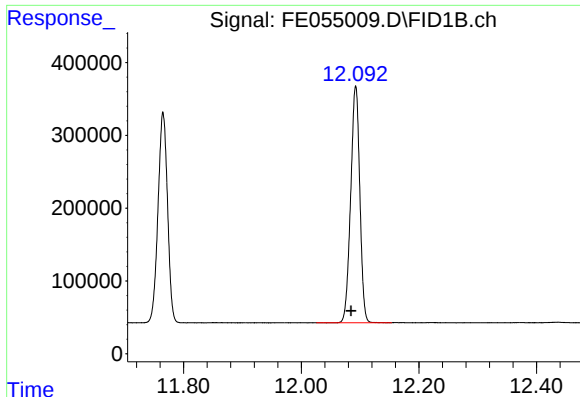
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.007 min
Response: 3231245
Conc: 22.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.765 min
Delta R.T.: 0.007 min
Response: 3237178
Conc: 22.09 ug/ml



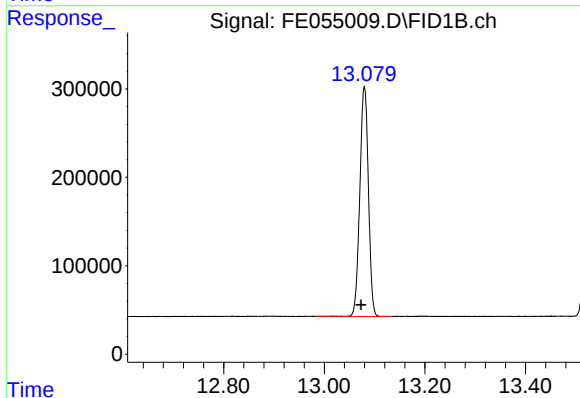
#9 ortho-Terphenyl (SURR)

R.T.: 12.093 min
Delta R.T.: 0.008 min
Response: 3497611
Conc: 21.54 ug/ml

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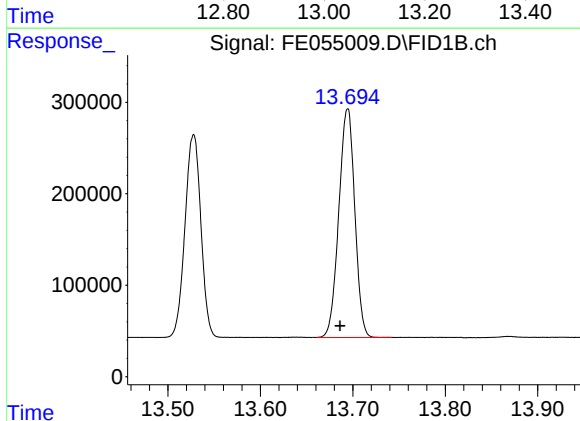
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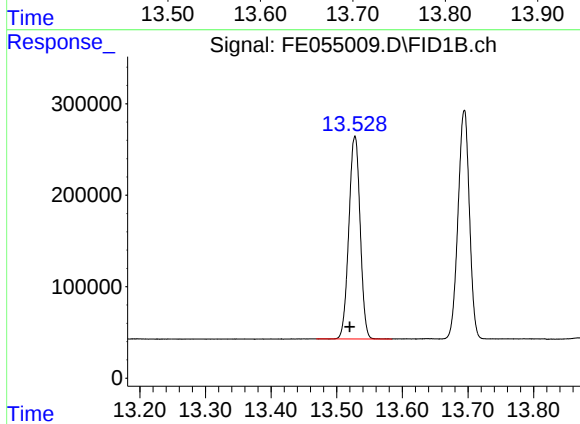
#10 n-Eicosane (C20)

R.T.: 13.080 min
Delta R.T.: 0.007 min
Response: 3075947
Conc: 21.39 ug/ml



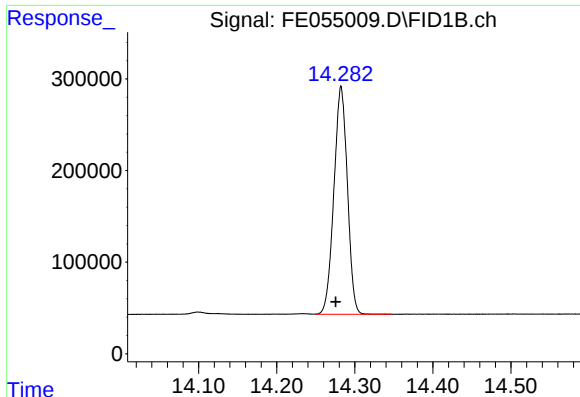
#11 n-Heneicosane (C21)

R.T.: 13.694 min
Delta R.T.: 0.008 min
Response: 3005812
Conc: 21.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.528 min
Delta R.T.: 0.008 min
Response: 2650914
Conc: 20.99 ug/ml



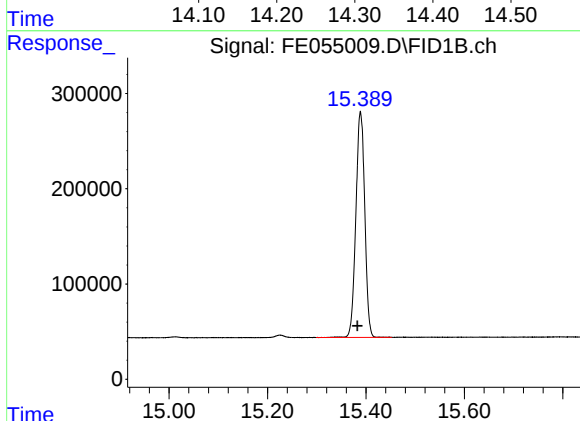
#13 n-Docosane (C22)

R.T.: 14.282 min
Delta R.T.: 0.007 min
Response: 2982833
Conc: 20.89 ug/ml

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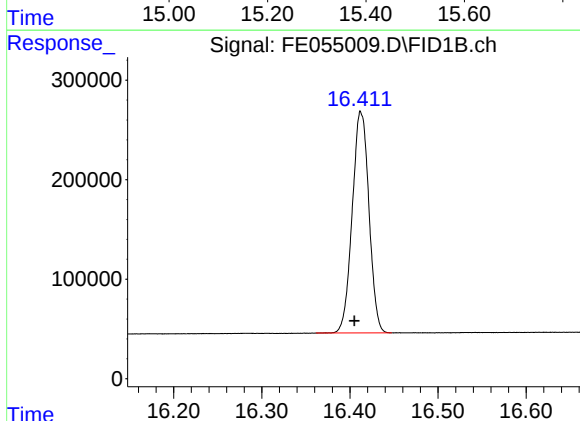
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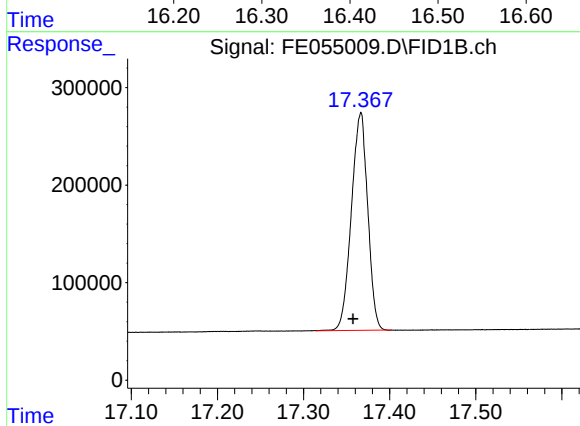
#14 n-Tetracosane (C24)

R.T.: 15.389 min
Delta R.T.: 0.007 min
Response: 2976765
Conc: 20.48 ug/ml



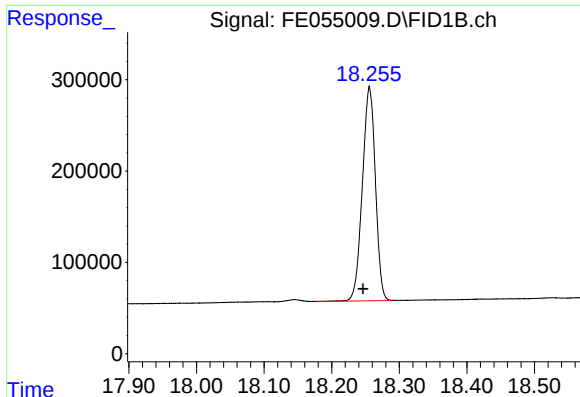
#15 n-Hexacosane (C26)

R.T.: 16.411 min
Delta R.T.: 0.006 min
Response: 2929694
Conc: 20.24 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.367 min
Delta R.T.: 0.009 min
Response: 2939287
Conc: 20.17 ug/ml m



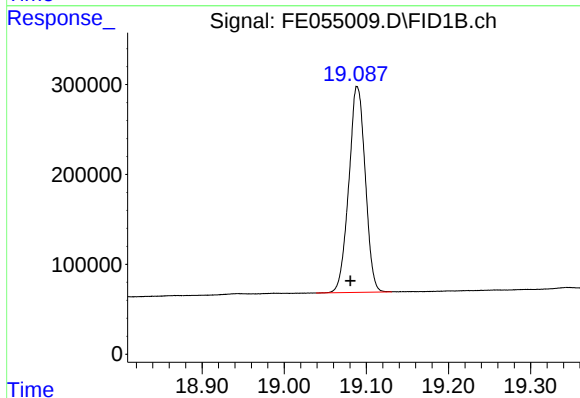
#17 n-Tricontane (C30)

R.T.: 18.256 min
Delta R.T.: 0.009 min
Response: 3135484
Conc: 19.90 ug/ml

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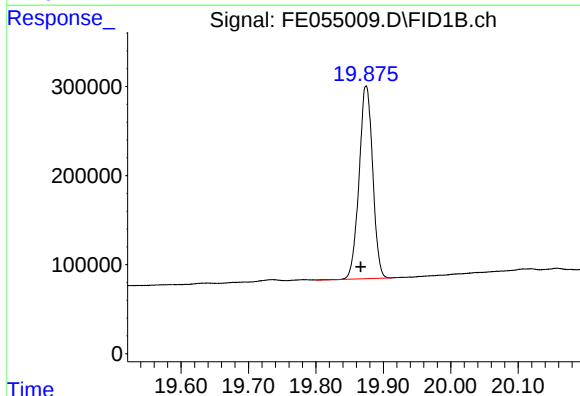
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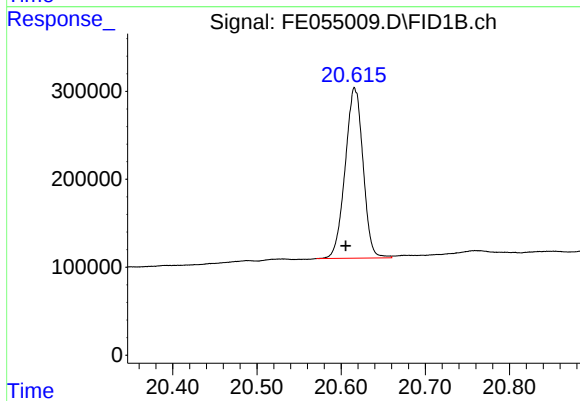
#18 n-Dotriacontane (C32)

R.T.: 19.087 min
Delta R.T.: 0.007 min
Response: 3189905
Conc: 19.72 ug/ml m



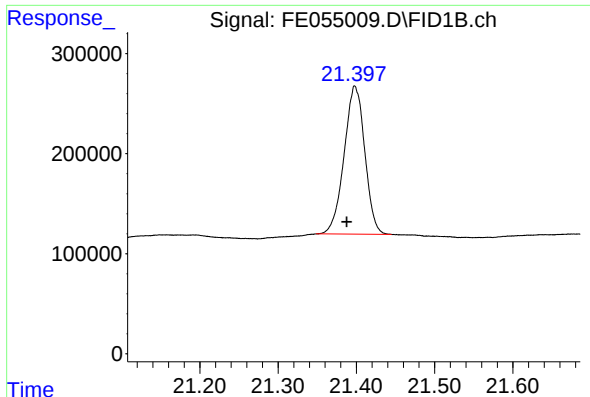
#19 n-Tetratriacontane (C34)

R.T.: 19.875 min
Delta R.T.: 0.008 min
Response: 3035601
Conc: 19.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.616 min
Delta R.T.: 0.011 min
Response: 2858215
Conc: 21.26 ug/ml



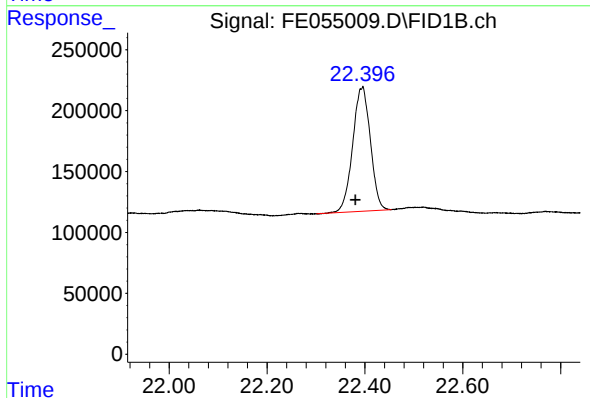
#21 n-Octatriacontane (C38)

R.T.: 21.397 min
Delta R.T.: 0.010 min
Response: 2717706
Conc: 23.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.394 min
Delta R.T.: 0.013 min
Response: 2554996
Conc: 23.57 ug/ml