

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091725AL\
 Data File : FE055885.D
 Signal(s) : FID1B.ch
 Acq On : 17 Sep 2025 21:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2025
 Supervised By :mohammad ahmed 09/19/2025

Integration File: autoint1.e
 Quant Time: Sep 18 01:32:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.074	3221820	19.611 ug/ml
Spiked Amount 50.000		Recovery =	39.22%
12) S 1-chlorooctadecane (S...	13.511	2439795	19.511 ug/ml
Spiked Amount 50.000		Recovery =	39.02%
Target Compounds			
1) T n-Nonane (C9)	3.411	2140240	16.865 ug/ml
2) T n-Decane (C10)	4.670	2293422	17.904 ug/ml
3) T A~Naphthalene (C11.7)	6.389	2704782	18.617 ug/ml
4) T n-Dodecane (C12)	6.845	2397962	18.416 ug/ml
5) T A~2-methylnaphthalene...	7.490	2687245	19.106 ug/ml
6) T n-Tetradecane (C14)	8.682	2517988	19.120 ug/ml
7) T n-Hexadecane (C16)	10.297	2770969	20.007 ug/ml
8) T n-Octadecane (C18)	11.747	2991424	20.509 ug/ml
10) T n-Eicosane (C20)	13.063	2934573	20.387 ug/ml
11) T n-Heneicosane (C21)	13.678	2830119	19.813 ug/ml
13) T n-Docosane (C22)	14.265	2810121	19.631 ug/ml
14) T n-Tetracosane (C24)	15.372	2721750	18.810 ug/mlm
15) T n-Hexacosane (C26)	16.396	2562436	17.936 ug/ml
16) T n-Octacosane (C28)	17.348	2568544	18.058 ug/ml
17) T n-Tricontane (C30)	18.239	2875503	19.453 ug/ml
18) T n-Dotriacontane (C32)	19.073	3028354	20.633 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2790943	19.754 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2435265	18.455 ug/ml
21) T n-Octatriacontane (C38)	21.378	2207028	16.946 ug/mlm
22) T n-Tetracontane (C40)	22.361	2031142	15.839 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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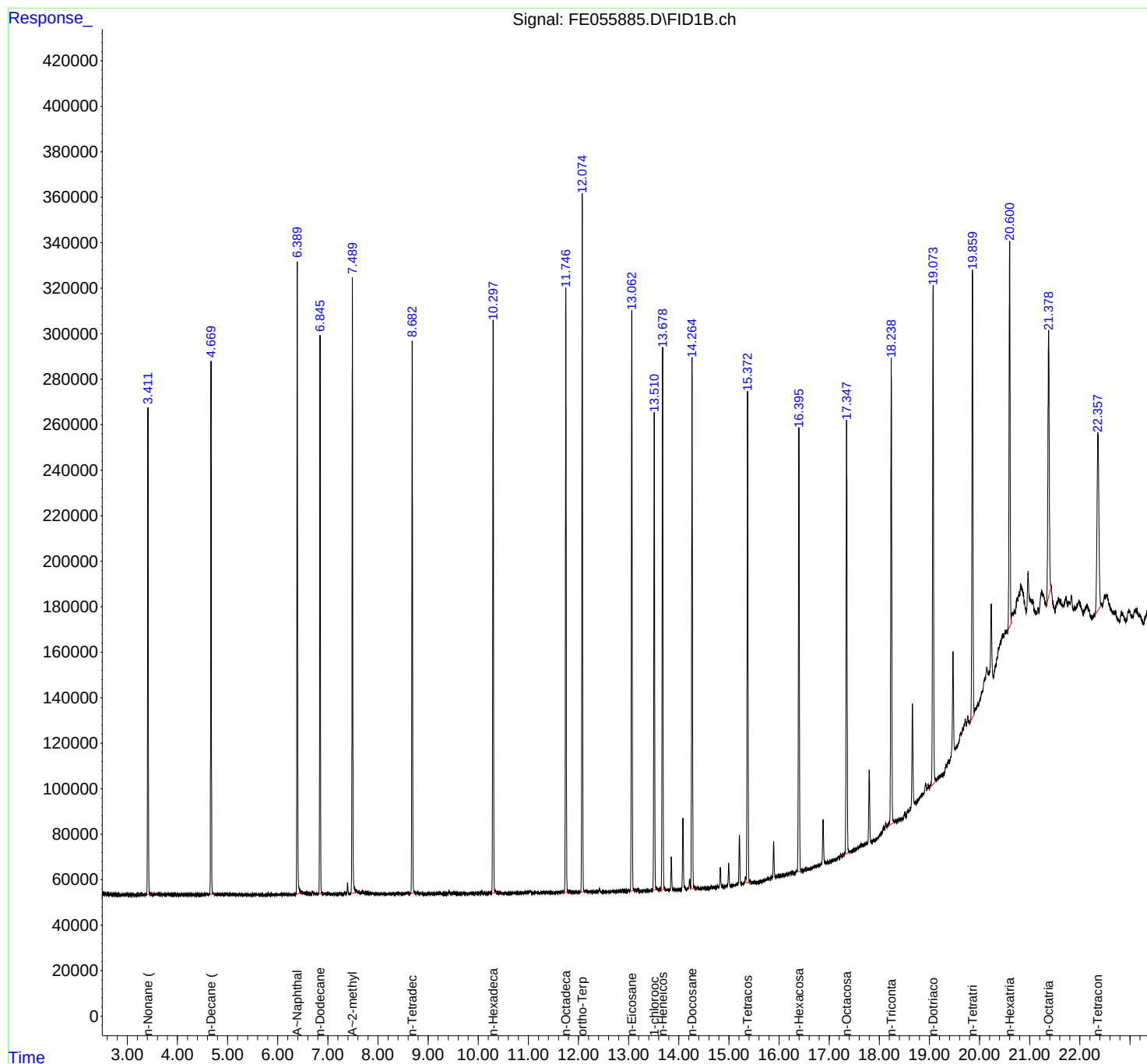
Instrument :
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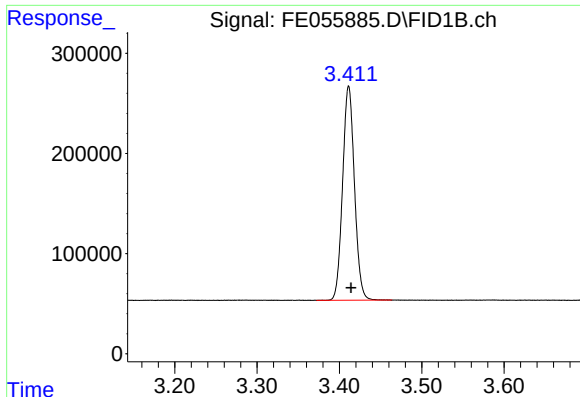
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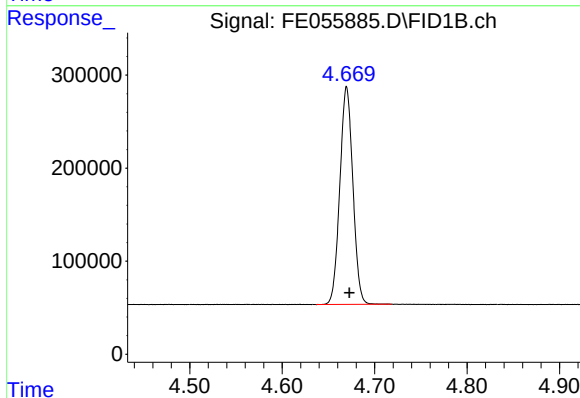
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 2140240
Conc: 16.87 ug/ml

Instrument :
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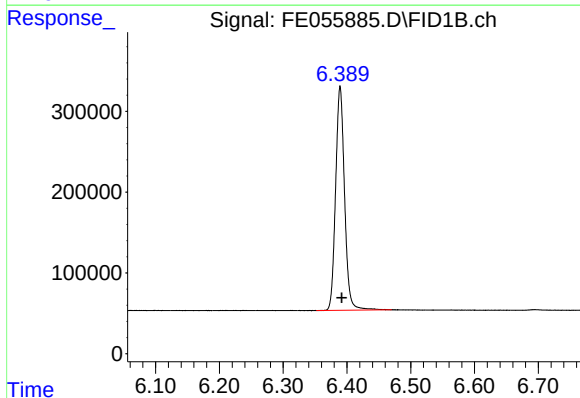
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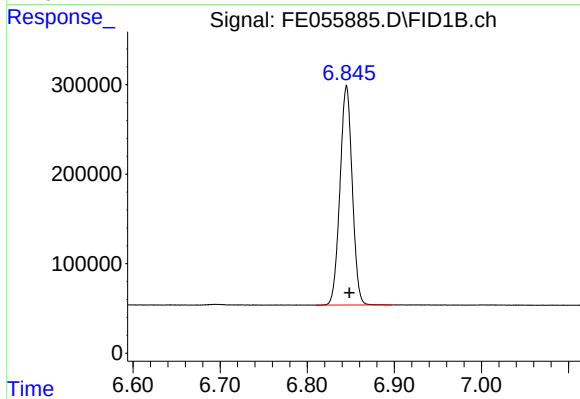
#2 n-Decane (C10)

R.T.: 4.670 min
Delta R.T.: -0.003 min
Response: 2293422
Conc: 17.90 ug/ml



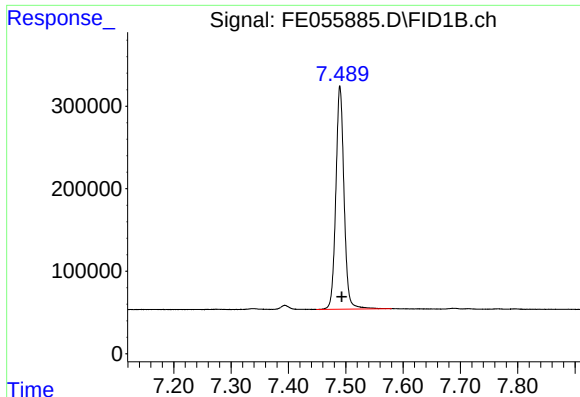
#3 A~Naphthalene (C11.7)

R.T.: 6.389 min
Delta R.T.: -0.003 min
Response: 2704782
Conc: 18.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: -0.003 min
Response: 2397962
Conc: 18.42 ug/ml



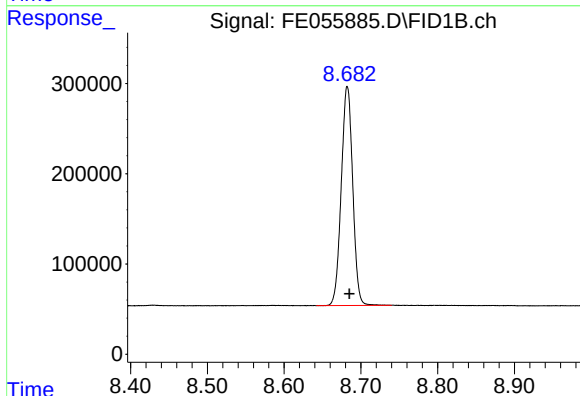
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: -0.003 min
Response: 2687245
Conc: 19.11 ug/ml

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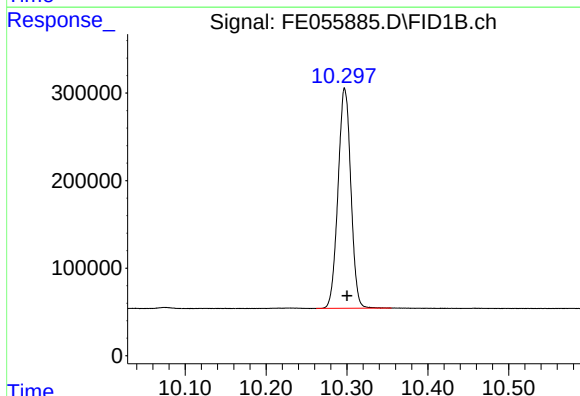
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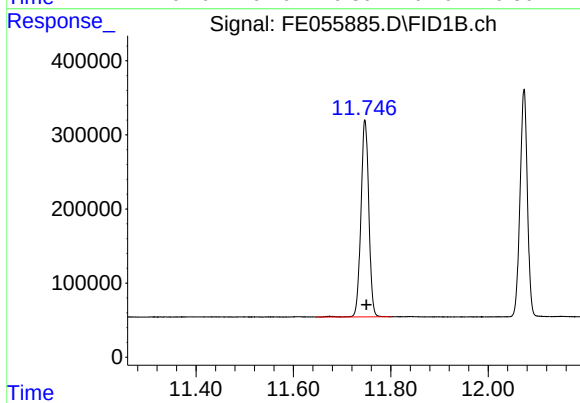
#6 n-Tetradecane (C14)

R.T.: 8.682 min
Delta R.T.: -0.003 min
Response: 2517988
Conc: 19.12 ug/ml



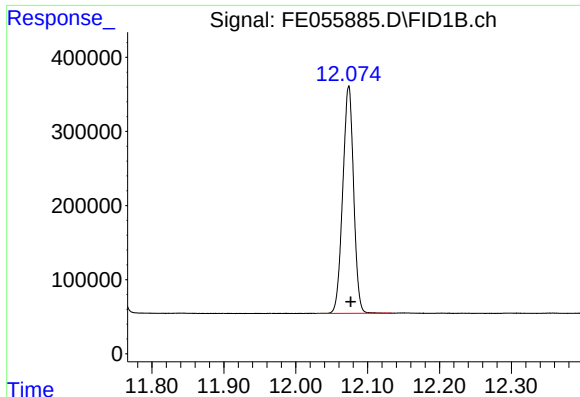
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: -0.003 min
Response: 2770969
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: -0.003 min
Response: 2991424
Conc: 20.51 ug/ml



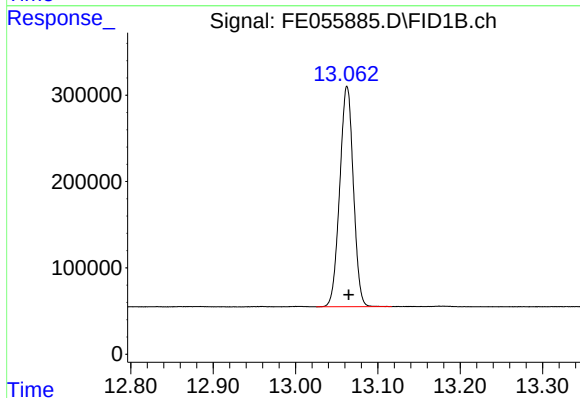
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: -0.003 min
Response: 3221820
Conc: 19.61 ug/ml

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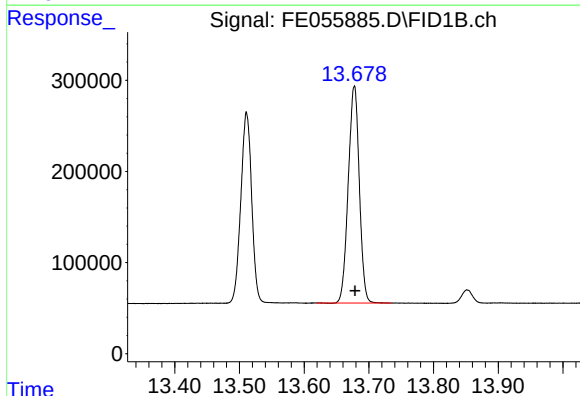
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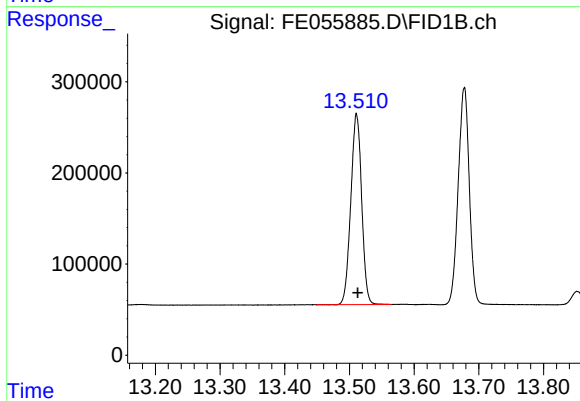
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: -0.002 min
Response: 2934573
Conc: 20.39 ug/ml



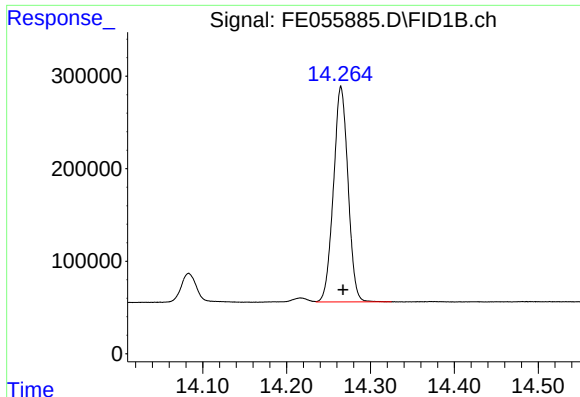
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: -0.001 min
Response: 2830119
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.511 min
Delta R.T.: -0.002 min
Response: 2439795
Conc: 19.51 ug/ml



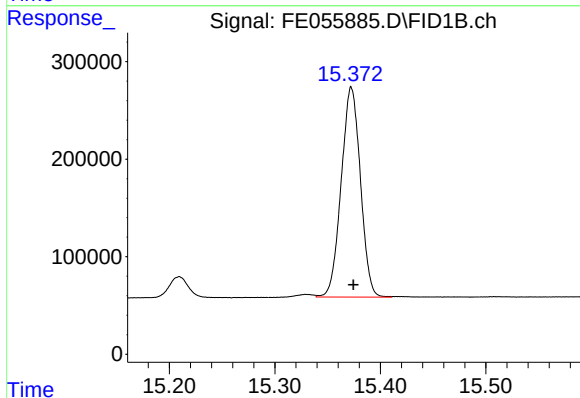
#13 n-Docosane (C22)

R.T.: 14.265 min
Delta R.T.: -0.002 min
Response: 2810121
Conc: 19.63 ug/ml

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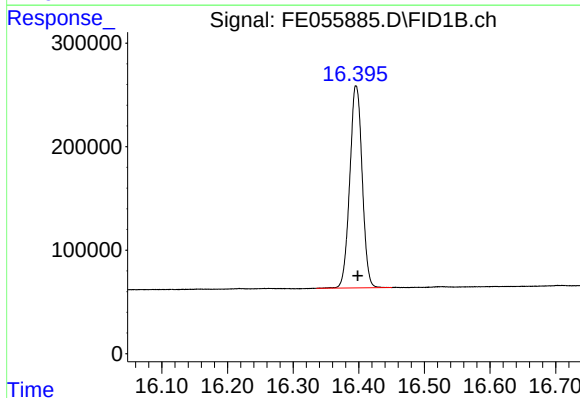
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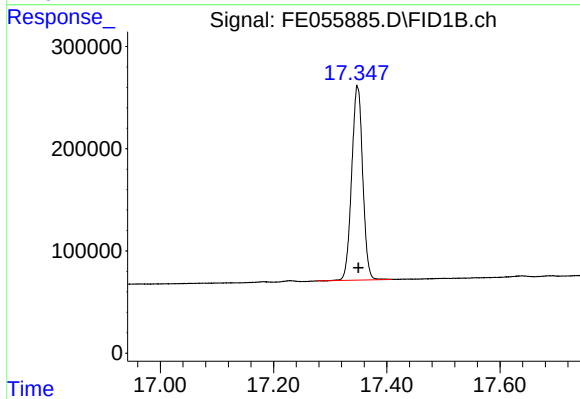
#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: -0.003 min
Response: 2721750
Conc: 18.81 ug/ml m



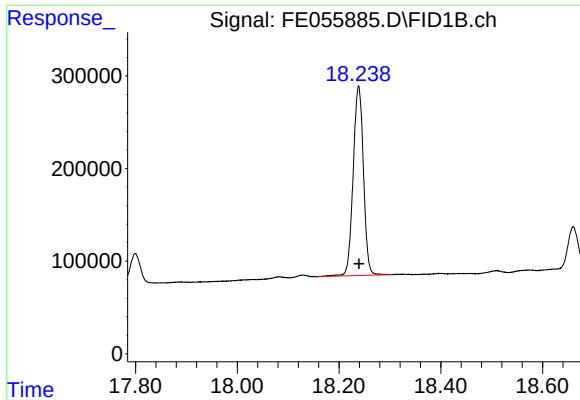
#15 n-Hexacosane (C26)

R.T.: 16.396 min
Delta R.T.: -0.002 min
Response: 2562436
Conc: 17.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.348 min
Delta R.T.: -0.002 min
Response: 2568544
Conc: 18.06 ug/ml



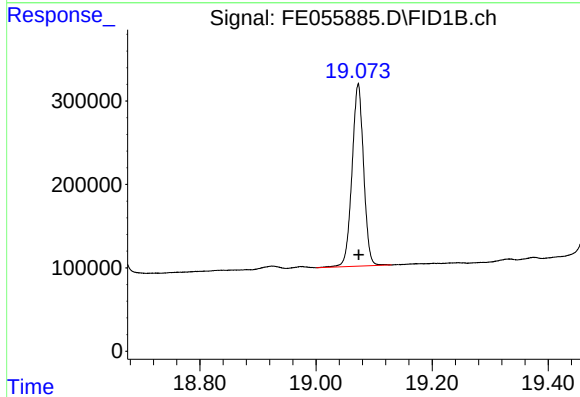
#17 n-Tricontane (C30)

R.T.: 18.239 min
Delta R.T.: -0.001 min
Response: 2875503
Conc: 19.45 ug/ml

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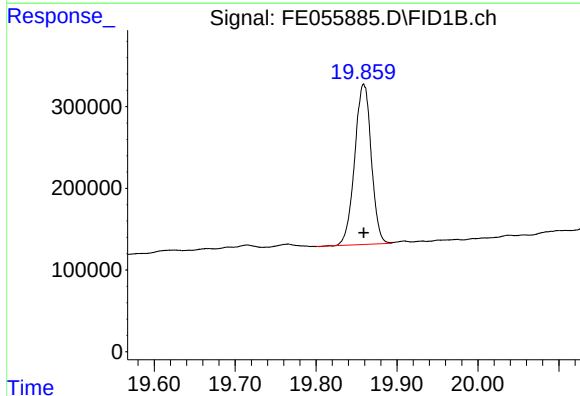
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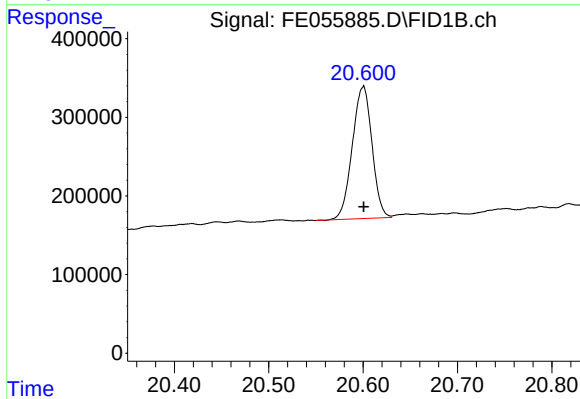
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: -0.001 min
Response: 3028354
Conc: 20.63 ug/ml



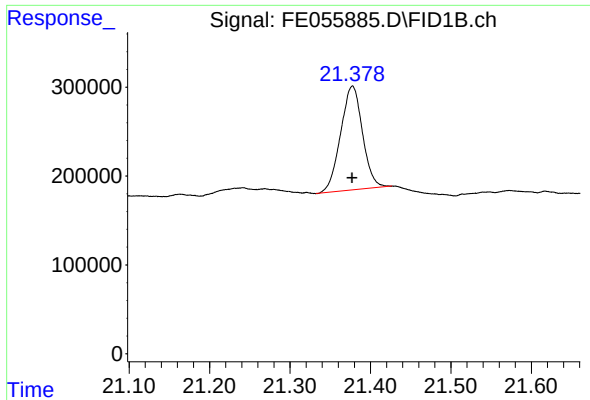
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 2790943
Conc: 19.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 2435265
Conc: 18.45 ug/ml



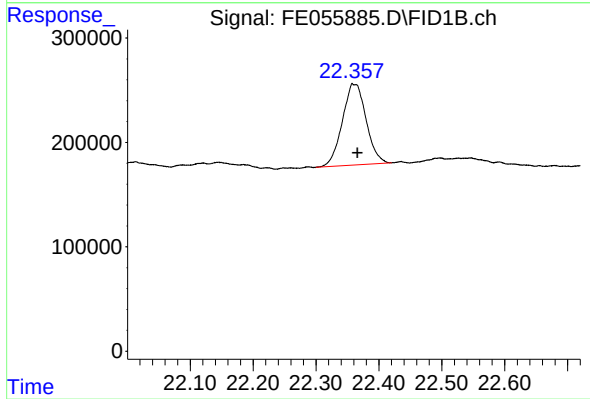
#21 n-Octatriacontane (C38)

R.T.: 21.378 min
Delta R.T.: 0.000 min
Response: 2207028
Conc: 16.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.361 min
Delta R.T.: -0.005 min
Response: 2031142
Conc: 15.84 ug/ml