

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110325AL\
 Data File : FE056635.D
 Signal(s) : FID1B.ch
 Acq On : 03 Nov 2025 14:56
 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 :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: sample.E
 Quant Time: Nov 04 00:39:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:50:27 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)	11.965	4342638	20.787 ug/ml
Spiked Amount 50.000		Recovery =	41.57%
12) S 1-chlorooctadecane (S...	13.404	3302043	20.495 ug/ml
Spiked Amount 50.000		Recovery =	40.99%
Target Compounds			
1) T n-Nonane (C9)	3.322	3506186	20.875 ug/ml
2) T n-Decane (C10)	4.574	3640191	21.214 ug/ml
3) T A~Naphthalene (C11.7)	6.289	3826771	20.732 ug/ml
4) T n-Dodecane (C12)	6.747	3770991	21.681 ug/ml
5) T A~2-methylnaphthalene...	7.389	3652356	20.609 ug/ml
6) T n-Tetradecane (C14)	8.582	3765940	21.575 ug/ml
7) T n-Hexadecane (C16)	10.195	3898864	21.310 ug/ml
8) T n-Octadecane (C18)	11.643	3994247	21.103 ug/ml
10) T n-Eicosane (C20)	12.957	3858763	20.706 ug/ml
11) T n-Heneicosane (C21)	13.570	3784914	20.583 ug/ml
13) T n-Docosane (C22)	14.158	3788245	20.236 ug/ml
14) T n-Tetracosane (C24)	15.265	3824303	19.525 ug/ml
15) T n-Hexacosane (C26)	16.289	3715430	19.118 ug/ml
16) T n-Octacosane (C28)	17.241	3586292	18.518 ug/ml
17) T n-Tricontane (C30)	18.130	3589099	17.901 ug/ml
18) T n-Dotriacontane (C32)	18.965	3441605	17.501 ug/ml
19) T n-Tetratriacontane (C34)	19.749	3098008	17.948 ug/mlm
20) T n-Hexatriacontane (C36)	20.491	2688659	18.587 ug/ml
21) T n-Octatriacontane (C38)	21.242	2482269	19.722 ug/mlm
22) T n-Tetracontane (C40)	22.183	2540137	21.971 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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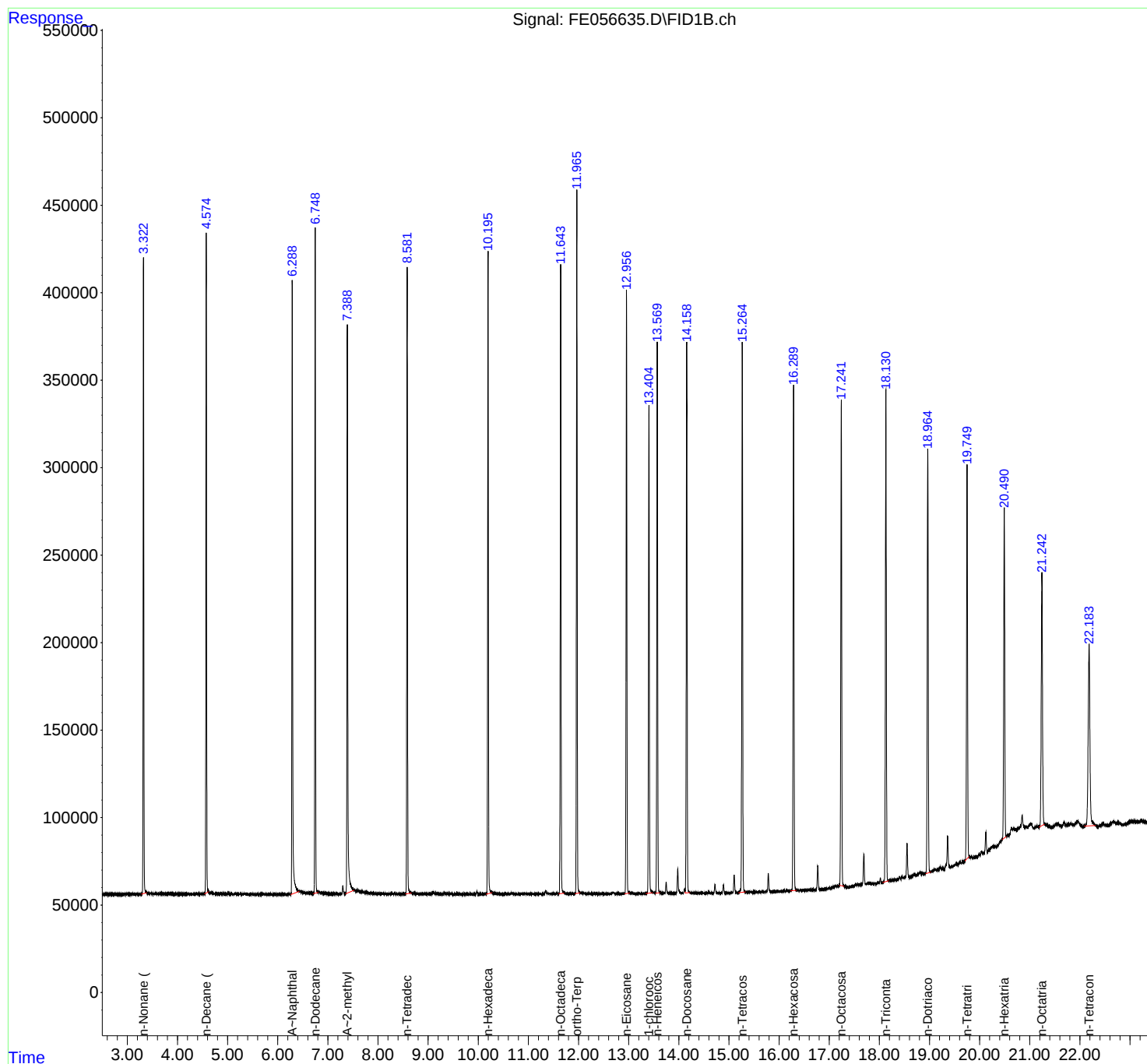
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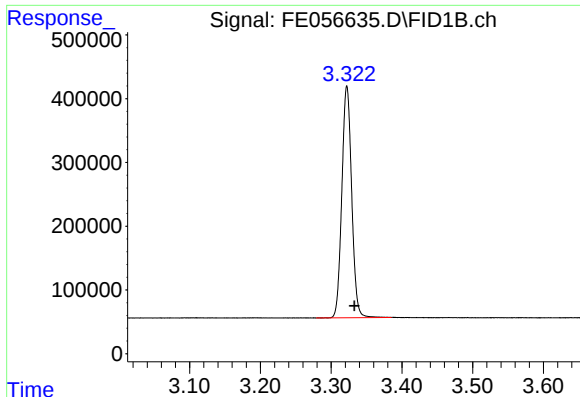
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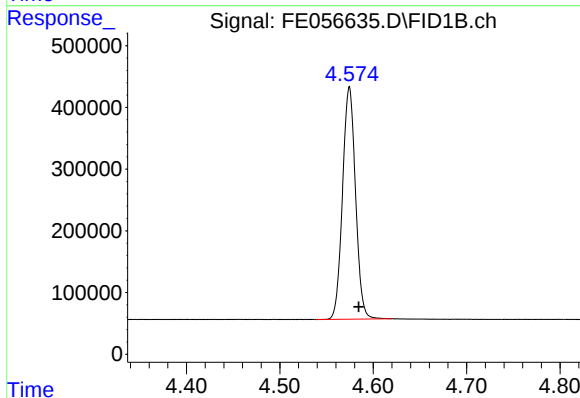
#1 n-Nonane (C9)

R.T.: 3.322 min
Delta R.T.: -0.011 min
Response: 3506186
Conc: 20.87 ug/ml

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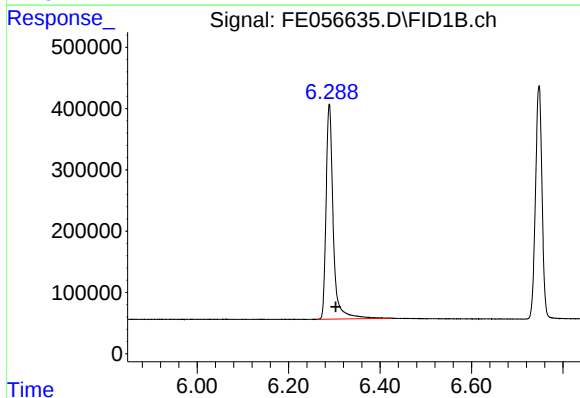
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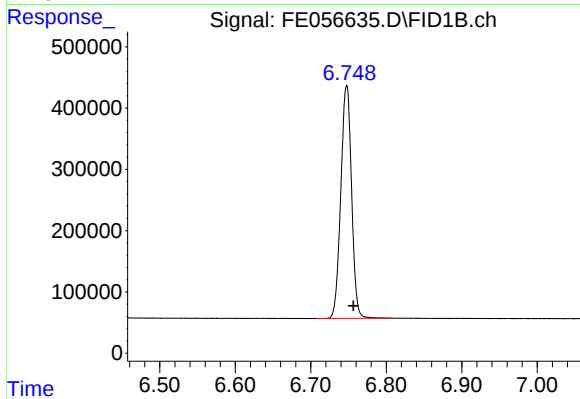
#2 n-Decane (C10)

R.T.: 4.574 min
Delta R.T.: -0.010 min
Response: 3640191
Conc: 21.21 ug/ml



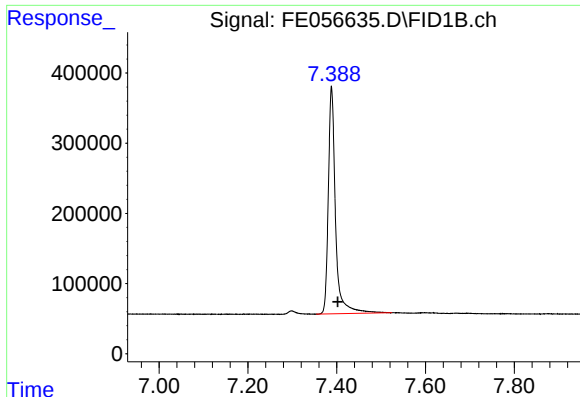
#3 A~Naphthalene (C11.7)

R.T.: 6.289 min
Delta R.T.: -0.014 min
Response: 3826771
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.009 min
Response: 3770991
Conc: 21.68 ug/ml



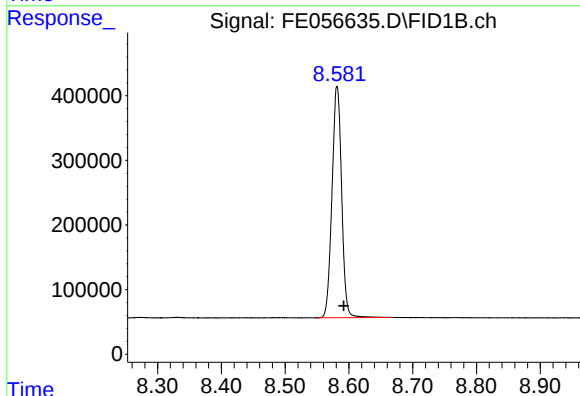
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.389 min
Delta R.T.: -0.014 min
Response: 3652356
Conc: 20.61 ug/ml

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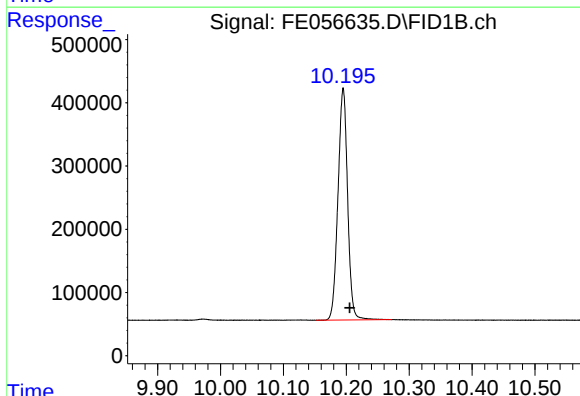
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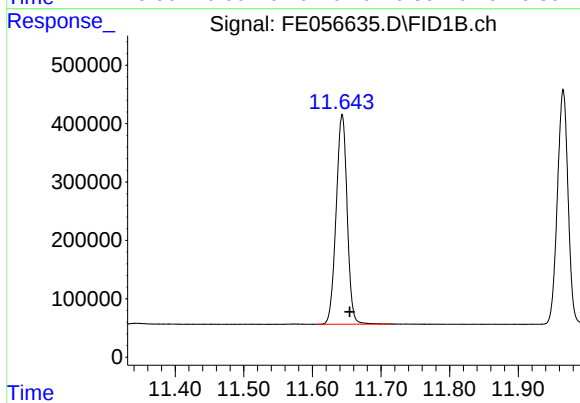
#6 n-Tetradecane (C14)

R.T.: 8.582 min
Delta R.T.: -0.010 min
Response: 3765940
Conc: 21.57 ug/ml



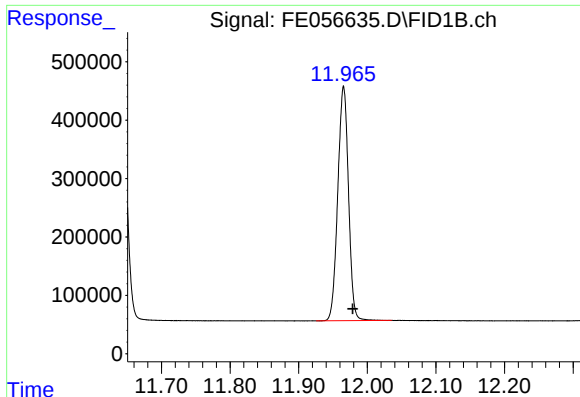
#7 n-Hexadecane (C16)

R.T.: 10.195 min
Delta R.T.: -0.011 min
Response: 3898864
Conc: 21.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.643 min
Delta R.T.: -0.011 min
Response: 3994247
Conc: 21.10 ug/ml



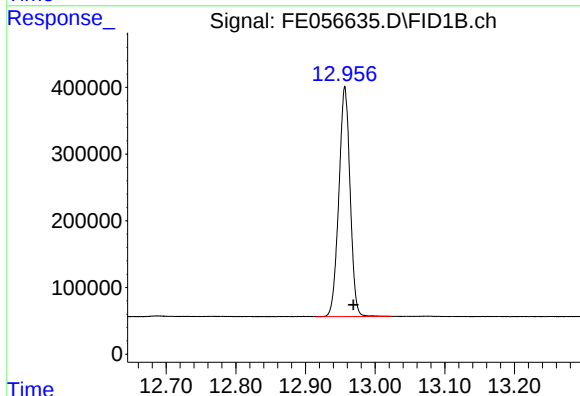
#9 ortho-Terphenyl (SURR)

R.T.: 11.965 min
Delta R.T.: -0.013 min
Response: 4342638
Conc: 20.79 ug/ml

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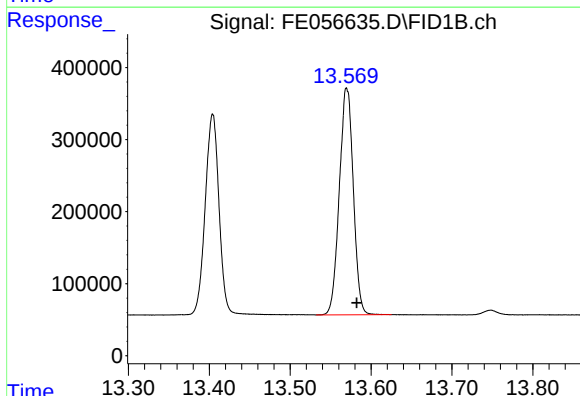
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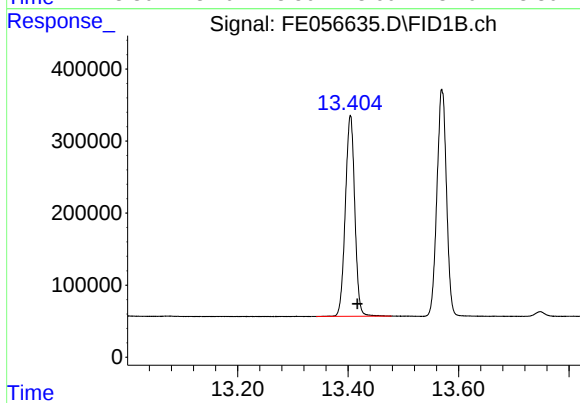
#10 n-Eicosane (C20)

R.T.: 12.957 min
Delta R.T.: -0.012 min
Response: 3858763
Conc: 20.71 ug/ml



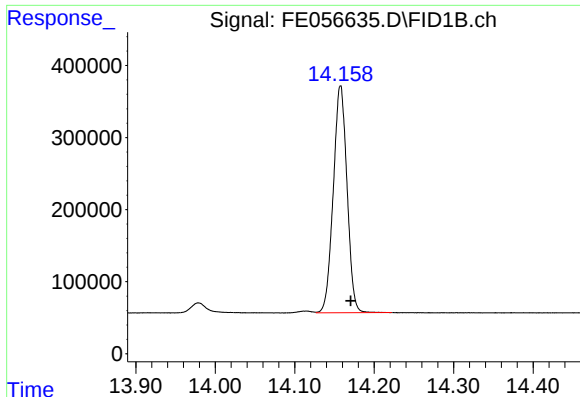
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.012 min
Response: 3784914
Conc: 20.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.404 min
Delta R.T.: -0.013 min
Response: 3302043
Conc: 20.49 ug/ml



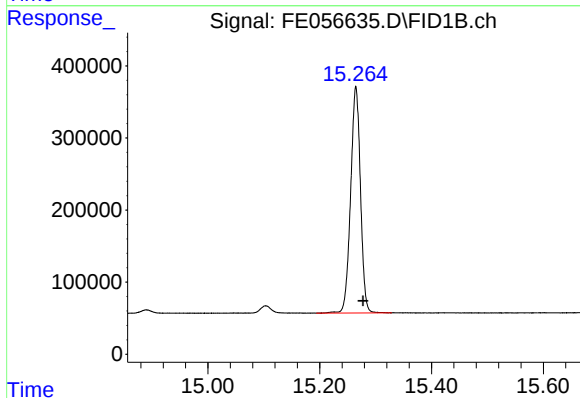
#13 n-Docosane (C22)

R.T.: 14.158 min
Delta R.T.: -0.013 min
Response: 3788245
Conc: 20.24 ug/ml

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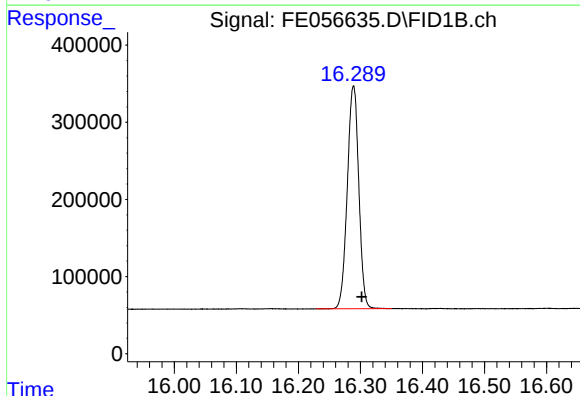
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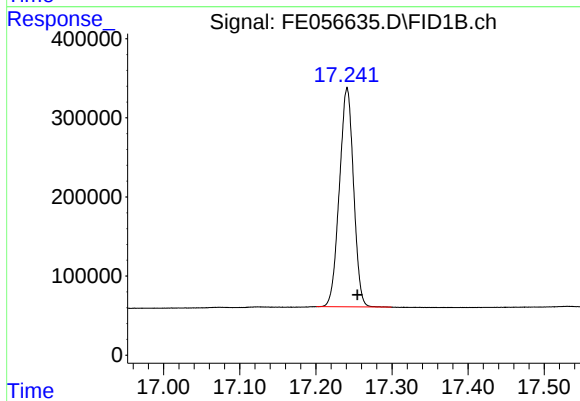
#14 n-Tetracosane (C24)

R.T.: 15.265 min
Delta R.T.: -0.013 min
Response: 3824303
Conc: 19.53 ug/ml



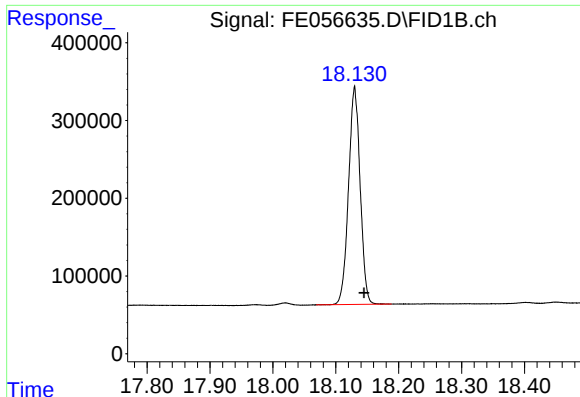
#15 n-Hexacosane (C26)

R.T.: 16.289 min
Delta R.T.: -0.013 min
Response: 3715430
Conc: 19.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.241 min
Delta R.T.: -0.014 min
Response: 3586292
Conc: 18.52 ug/ml



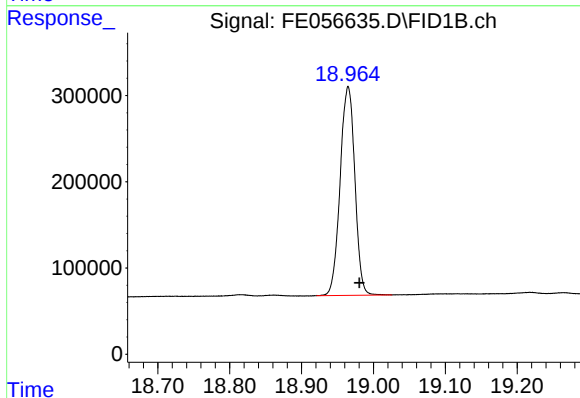
#17 n-Tricontane (C30)

R.T.: 18.130 min
Delta R.T.: -0.015 min
Response: 3589099
Conc: 17.90 ug/ml

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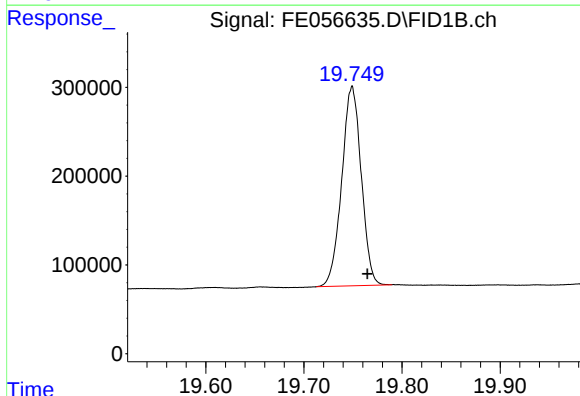
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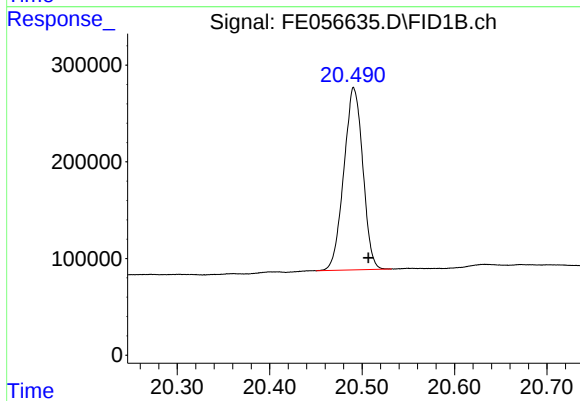
#18 n-Dotriacontane (C32)

R.T.: 18.965 min
Delta R.T.: -0.016 min
Response: 3441605
Conc: 17.50 ug/ml



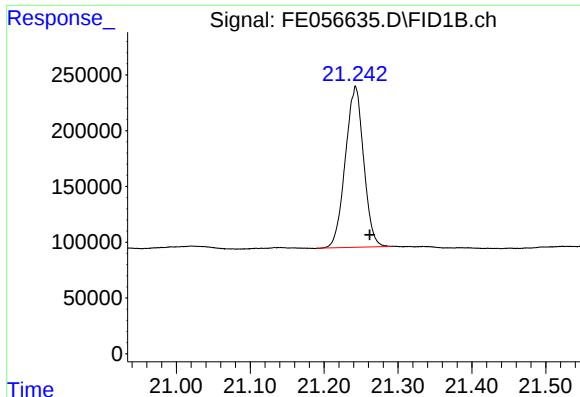
#19 n-Tetratriacontane (C34)

R.T.: 19.749 min
Delta R.T.: -0.016 min
Response: 3098008
Conc: 17.95 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.491 min
Delta R.T.: -0.016 min
Response: 2688659
Conc: 18.59 ug/ml



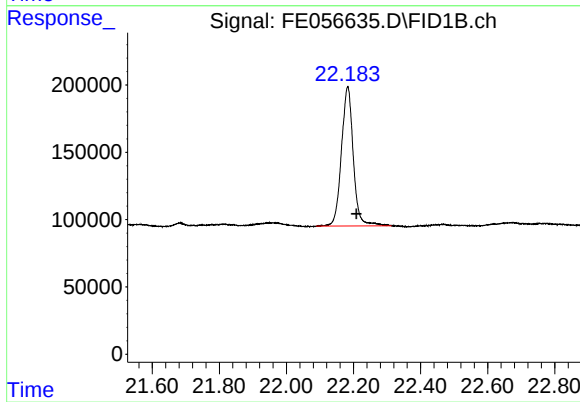
#21 n-Octatriacontane (C38)

R.T.: 21.242 min
Delta R.T.: -0.020 min
Response: 2482269
Conc: 19.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.183 min
Delta R.T.: -0.026 min
Response: 2540137
Conc: 21.97 ug/ml