

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101023AL\
 Data File : FE044756.D
 Signal(s) : FID1B.ch
 Acq On : 10 Oct 2023 12:45
 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 10/11/2023
 Supervised By :Ankita Jodhani 10/11/2023

Integration File: autoint1.e
 Quant Time: Oct 11 03:13:12 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 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)	11.914	3693569	19.674 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	13.356	2734409	20.100 ug/ml
Spiked Amount 50.000		Recovery =	40.20%
Target Compounds			
1) T n-Nonane (C9)	3.297	2941806	18.120 ug/ml
2) T n-Decane (C10)	4.549	3056820	18.460 ug/ml
3) T A~Naphthalene (C11.7)	6.250	3337891	18.670 ug/ml
4) T n-Dodecane (C12)	6.715	3100709	18.642 ug/ml
5) T A~2-methylnaphthalene...	7.346	3270028	19.113 ug/ml
6) T n-Tetradecane (C14)	8.542	3093318	18.842 ug/ml
7) T n-Hexadecane (C16)	10.153	3170864	18.717 ug/ml
8) T n-Octadecane (C18)	11.599	3186554	18.768 ug/ml
10) T n-Eicosane (C20)	12.911	3079476	19.140 ug/ml
11) T n-Heneicosane (C21)	13.524	3014286	19.250 ug/ml
13) T n-Docosane (C22)	14.111	2985174	19.355 ug/ml
14) T n-Tetracosane (C24)	15.216	2943015	19.469 ug/ml
15) T n-Hexacosane (C26)	16.238	2869363	19.507 ug/ml
16) T n-Octacosane (C28)	17.190	2863570	19.966 ug/ml
17) T n-Tricontane (C30)	18.080	2998368	20.227 ug/ml
18) T n-Dotriacontane (C32)	18.914	3064714	20.702 ug/ml
19) T n-Tetratriacontane (C34)	19.700	2957945	20.240 ug/ml
20) T n-Hexatriacontane (C36)	20.441	2938625	20.259 ug/ml
21) T n-Octatriacontane (C38)	21.180	2919820	19.493 ug/mlm
22) T n-Tetracontane (C40)	22.102	3098575	19.635 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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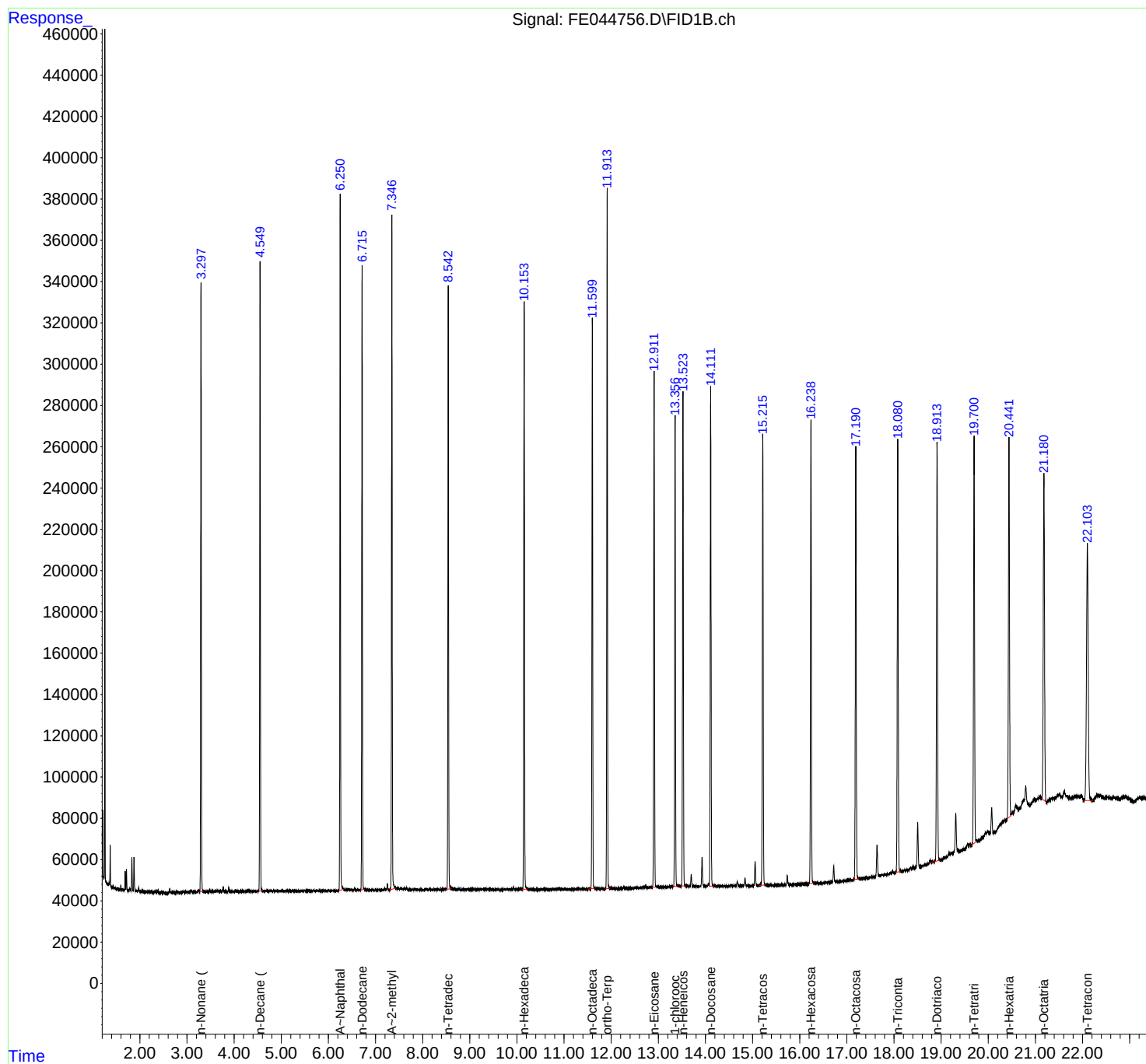
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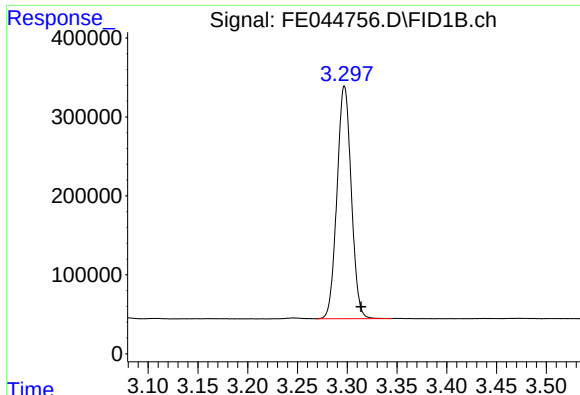
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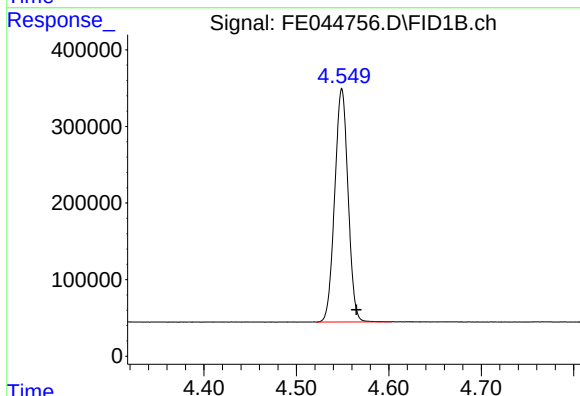
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.017 min
Response: 2941806
Conc: 18.12 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

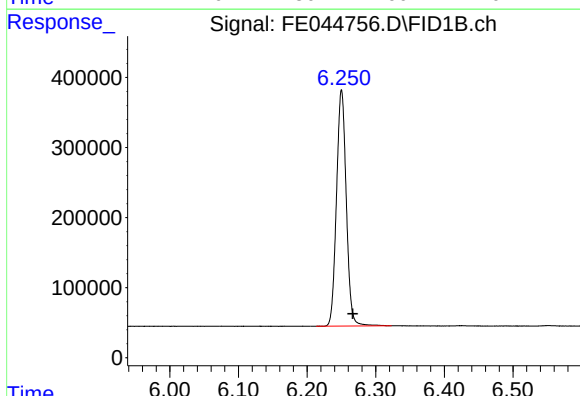
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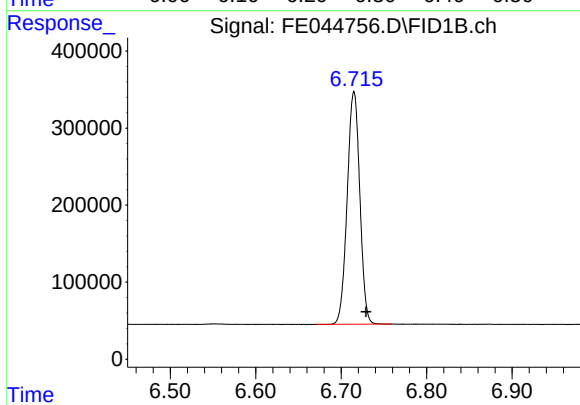
#2 n-Decane (C10)

R.T.: 4.549 min
Delta R.T.: -0.016 min
Response: 3056820
Conc: 18.46 ug/ml



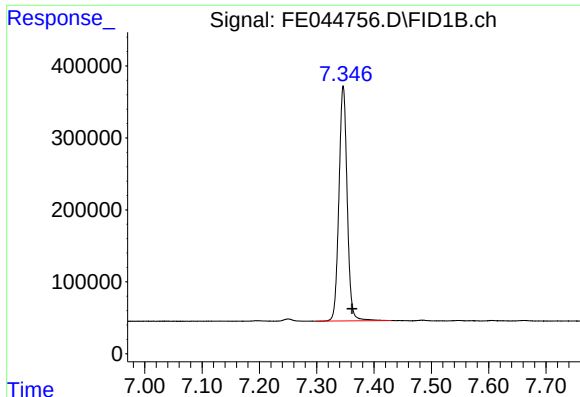
#3 A~Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.016 min
Response: 3337891
Conc: 18.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.715 min
Delta R.T.: -0.014 min
Response: 3100709
Conc: 18.64 ug/ml



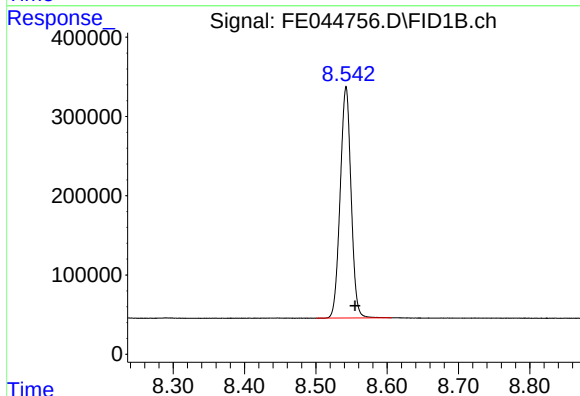
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.346 min
Delta R.T.: -0.016 min
Response: 3270028
Conc: 19.11 ug/ml

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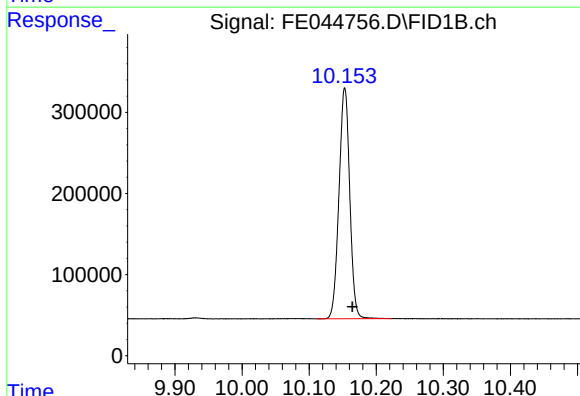
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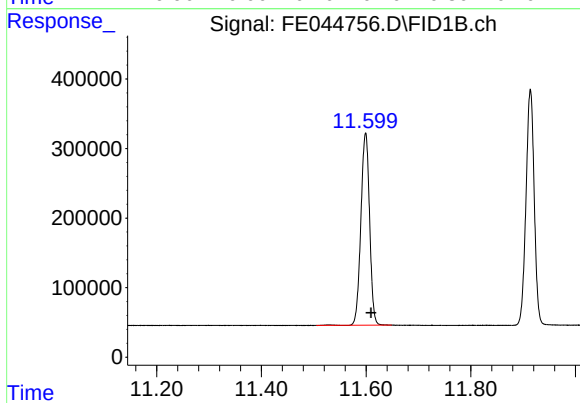
#6 n-Tetradecane (C14)

R.T.: 8.542 min
Delta R.T.: -0.013 min
Response: 3093318
Conc: 18.84 ug/ml



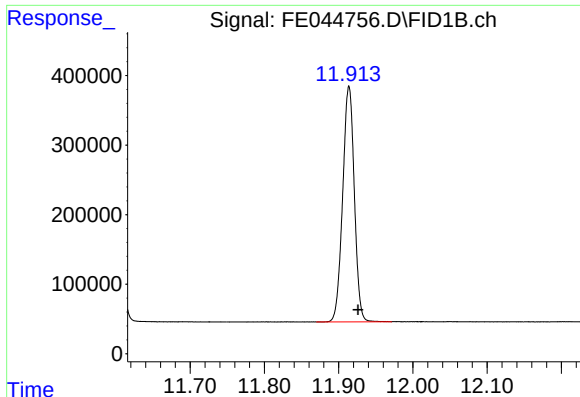
#7 n-Hexadecane (C16)

R.T.: 10.153 min
Delta R.T.: -0.012 min
Response: 3170864
Conc: 18.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: -0.010 min
Response: 3186554
Conc: 18.77 ug/ml



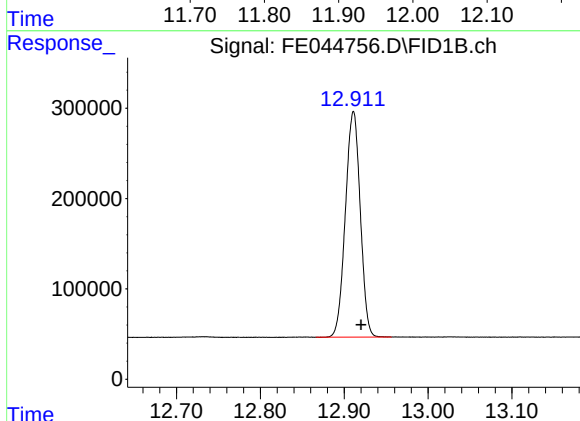
#9 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.012 min
Response: 3693569
Conc: 19.67 ug/ml

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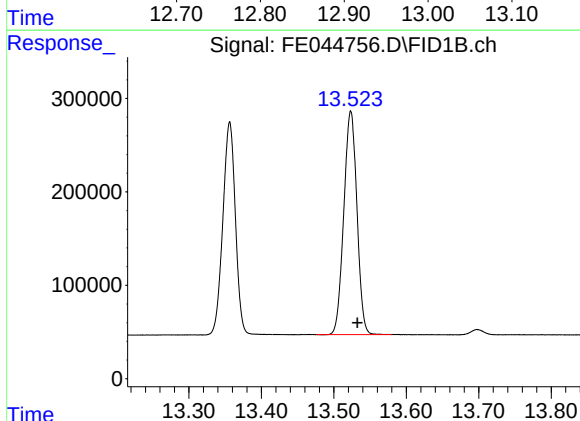
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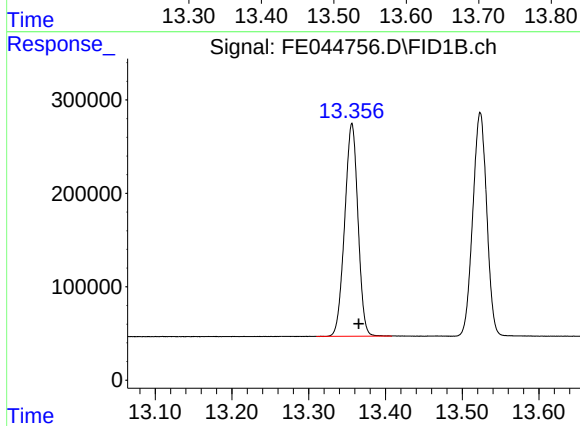
#10 n-Eicosane (C20)

R.T.: 12.911 min
Delta R.T.: -0.009 min
Response: 3079476
Conc: 19.14 ug/ml



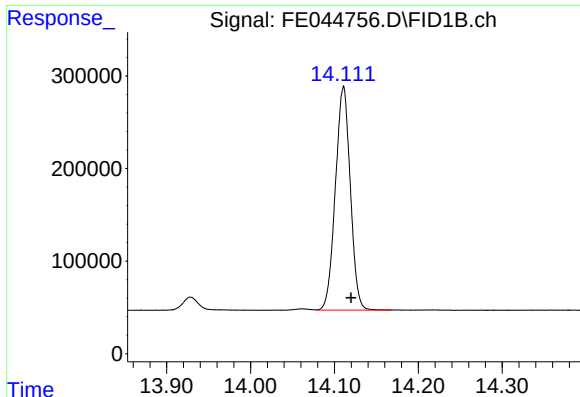
#11 n-Heneicosane (C21)

R.T.: 13.524 min
Delta R.T.: -0.009 min
Response: 3014286
Conc: 19.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min
Delta R.T.: -0.009 min
Response: 2734409
Conc: 20.10 ug/ml



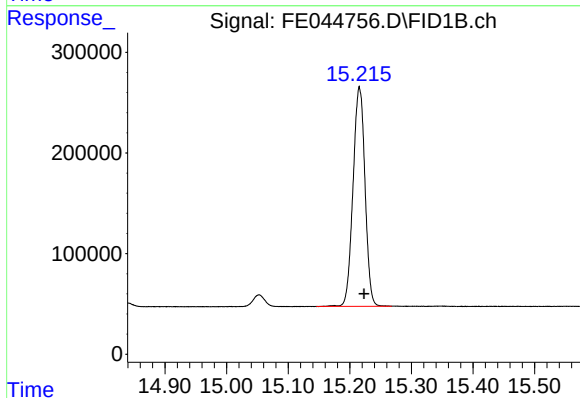
#13 n-Docosane (C22)

R.T.: 14.111 min
Delta R.T.: -0.009 min
Response: 2985174
Conc: 19.36 ug/ml

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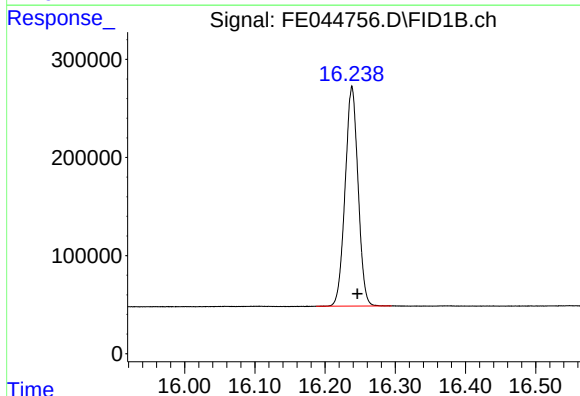
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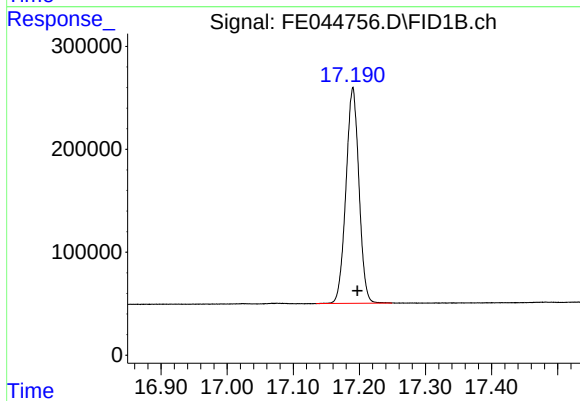
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.008 min
Response: 2943015
Conc: 19.47 ug/ml



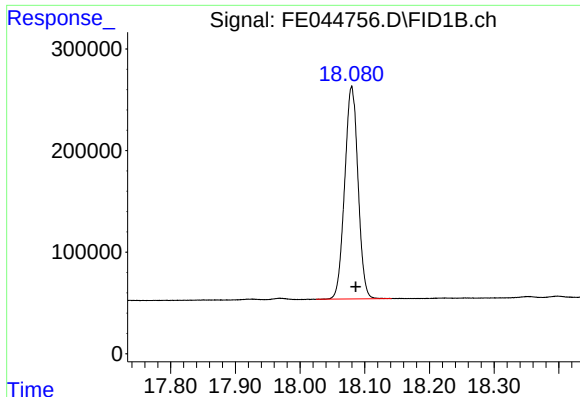
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: -0.008 min
Response: 2869363
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.190 min
Delta R.T.: -0.007 min
Response: 2863570
Conc: 19.97 ug/ml



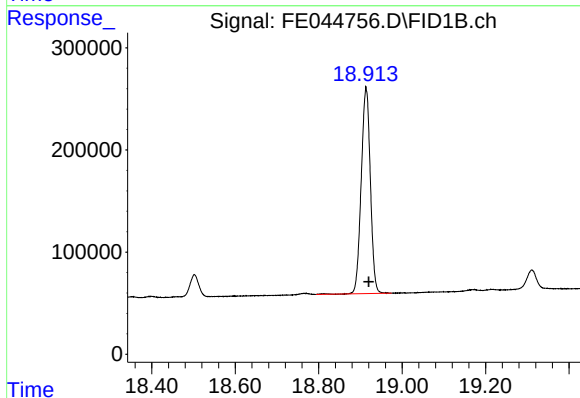
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: -0.007 min
Response: 2998368
Conc: 20.23 ug/ml

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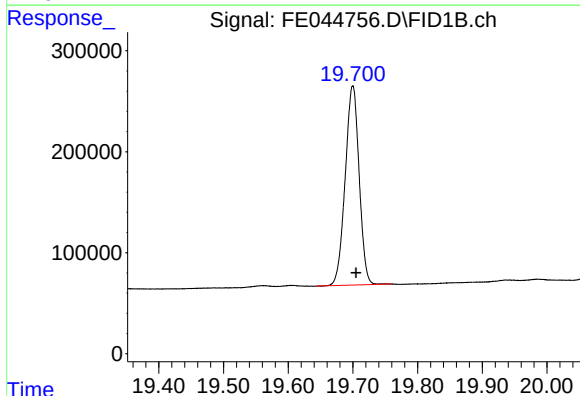
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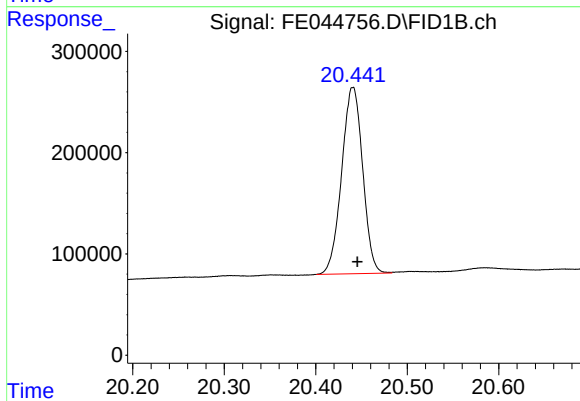
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.006 min
Response: 3064714
Conc: 20.70 ug/ml



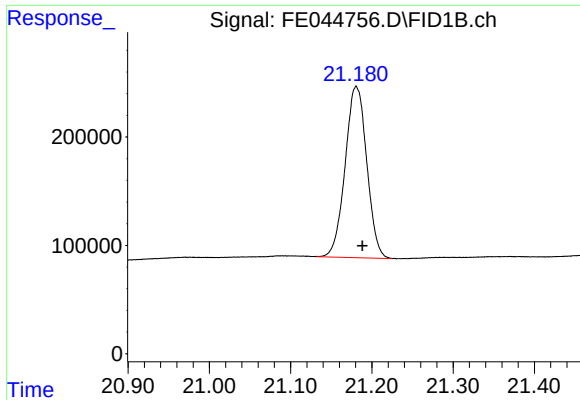
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.005 min
Response: 2957945
Conc: 20.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min
Delta R.T.: -0.005 min
Response: 2938625
Conc: 20.26 ug/ml



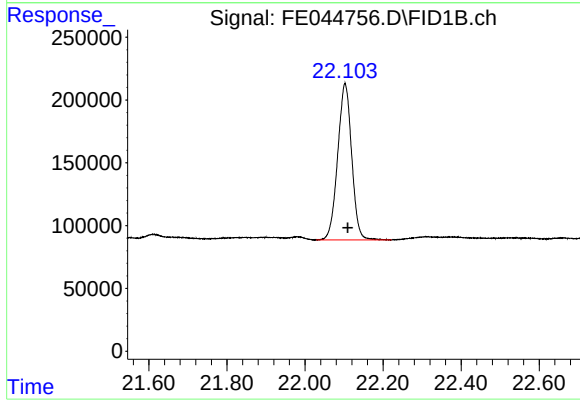
#21 n-Octatriacontane (C38)

R.T.: 21.180 min
Delta R.T.: -0.008 min
Response: 2919820
Conc: 19.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: -0.007 min
Response: 3098575
Conc: 19.63 ug/ml