

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101123AL\
 Data File : FE044798.D
 Signal(s) : FID1B.ch
 Acq On : 12 Oct 2023 00:45
 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 10/12/2023
 Supervised By :Ankita Jodhani 10/12/2023

Integration File: sample.E
 Quant Time: Oct 12 01:16:55 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	3384097	18.026 ug/ml
Spiked Amount 50.000		Recovery =	36.05%
12) S 1-chlorooctadecane (S...	13.356	2478033	18.215 ug/ml
Spiked Amount 50.000		Recovery =	36.43%
Target Compounds			
1) T n-Nonane (C9)	3.297	2775280	17.094 ug/ml
2) T n-Decane (C10)	4.549	2927378	17.678 ug/ml
3) T A~Naphthalene (C11.7)	6.250	3186228	17.821 ug/ml
4) T n-Dodecane (C12)	6.714	2977797	17.903 ug/ml
5) T A~2-methylnaphthalene...	7.346	3064161	17.910 ug/ml
6) T n-Tetradecane (C14)	8.541	2959941	18.030 ug/ml
7) T n-Hexadecane (C16)	10.152	3067892	18.110 ug/ml
8) T n-Octadecane (C18)	11.599	3079047	18.135 ug/ml
10) T n-Eicosane (C20)	12.911	2903028	18.044 ug/ml
11) T n-Heneicosane (C21)	13.524	2814619	17.975 ug/ml
13) T n-Docosane (C22)	14.112	2792891	18.108 ug/ml
14) T n-Tetracosane (C24)	15.216	2775021	18.357 ug/ml
15) T n-Hexacosane (C26)	16.238	2716136	18.465 ug/ml
16) T n-Octacosane (C28)	17.192	2837600	19.785 ug/ml
17) T n-Tricontane (C30)	18.080	3196296	21.563 ug/ml
18) T n-Dotriacontane (C32)	18.915	3403082	22.988 ug/ml
19) T n-Tetratriacontane (C34)	19.701	3271001	22.382 ug/ml
20) T n-Hexatriacontane (C36)	20.442	3055877	21.067 ug/ml
21) T n-Octatriacontane (C38)	21.183	2987543	19.945 ug/ml
22) T n-Tetracontane (C40)	22.104	3583470	22.707 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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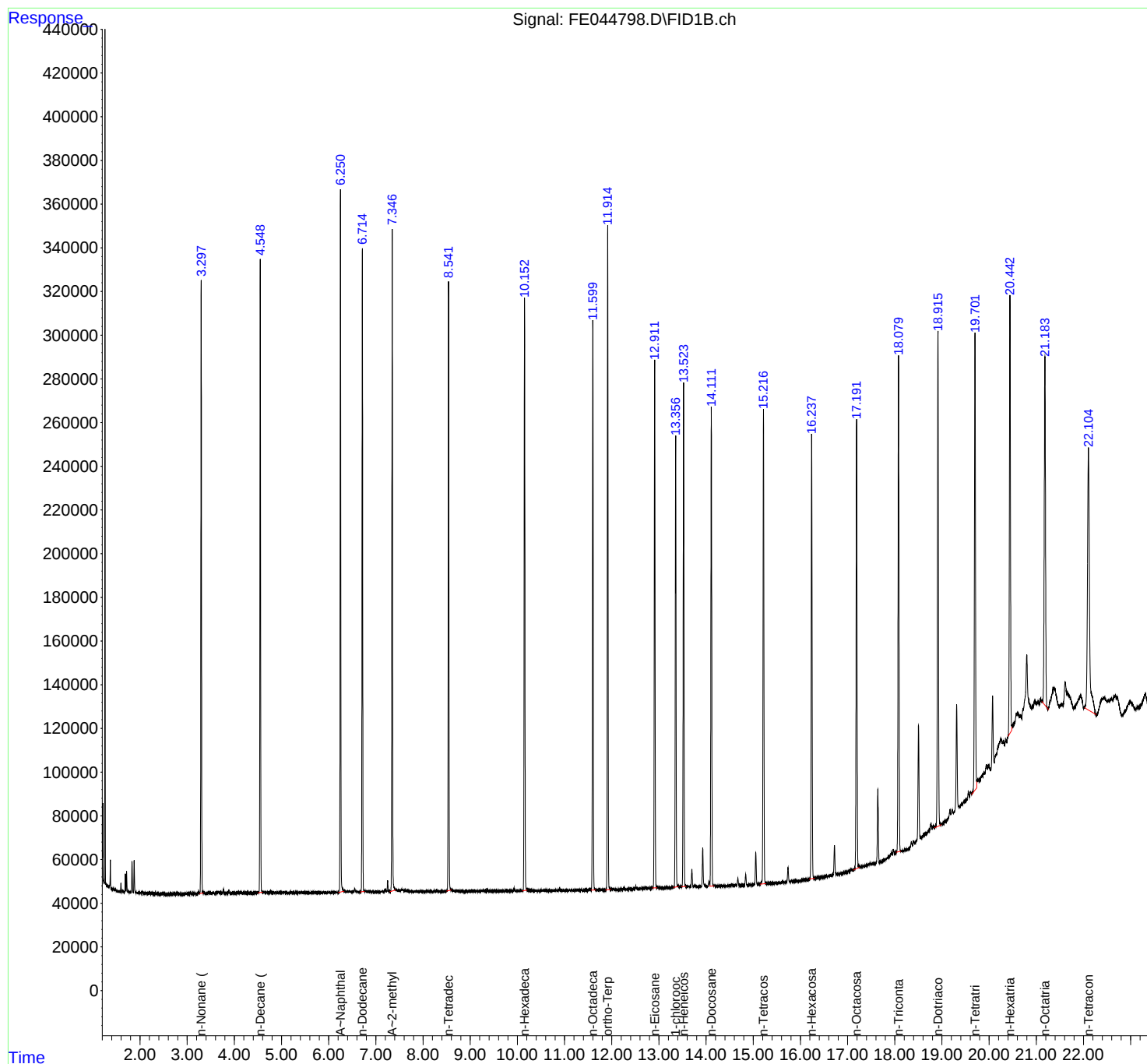
Instrument :
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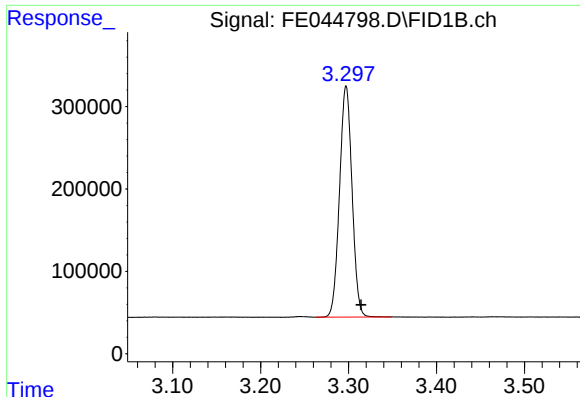
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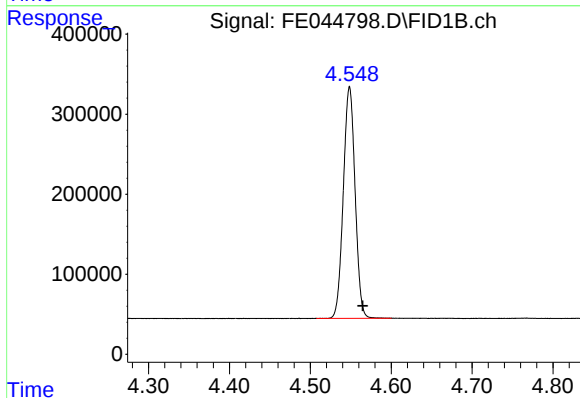
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.017 min
Response: 2775280
Conc: 17.09 ug/ml

Instrument :
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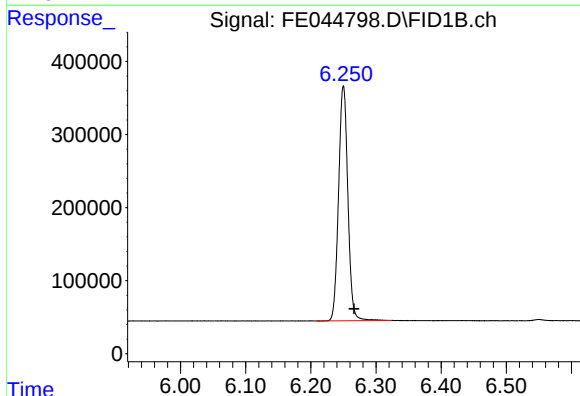
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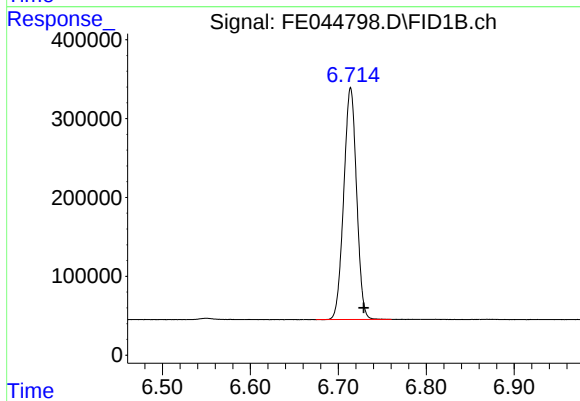
#2 n-Decane (C10)

R.T.: 4.549 min
Delta R.T.: -0.017 min
Response: 2927378
Conc: 17.68 ug/ml



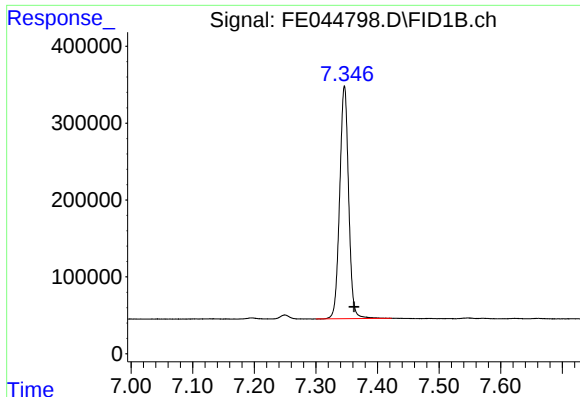
#3 A~Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.017 min
Response: 3186228
Conc: 17.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.714 min
Delta R.T.: -0.015 min
Response: 2977797
Conc: 17.90 ug/ml



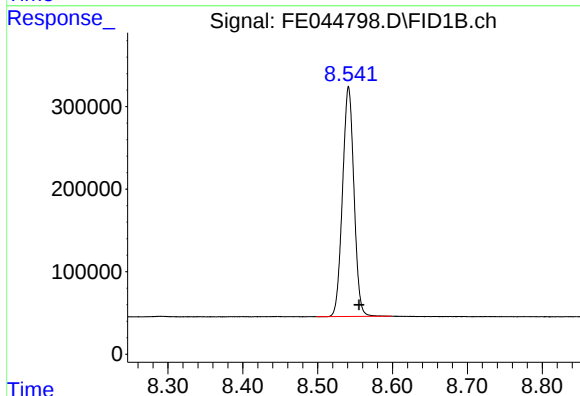
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.346 min
Delta R.T.: -0.015 min
Response: 3064161
Conc: 17.91 ug/ml

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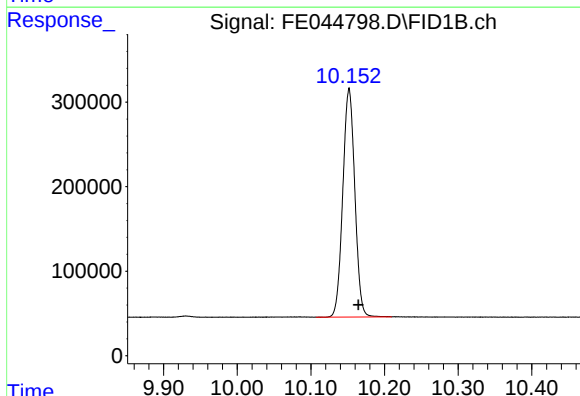
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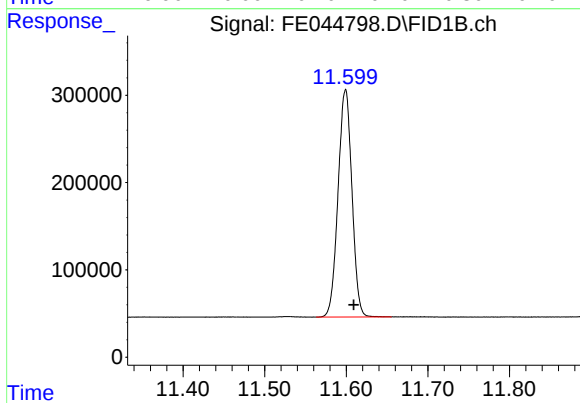
#6 n-Tetradecane (C14)

R.T.: 8.541 min
Delta R.T.: -0.014 min
Response: 2959941
Conc: 18.03 ug/ml



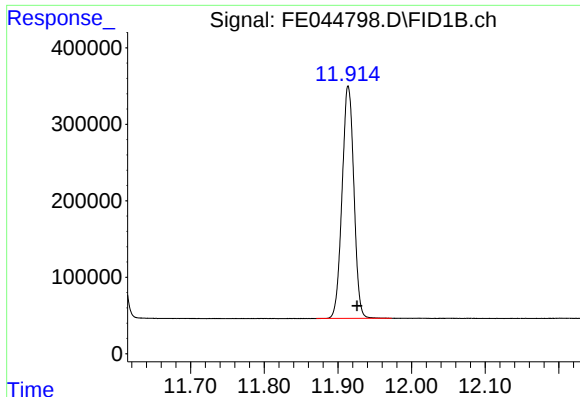
#7 n-Hexadecane (C16)

R.T.: 10.152 min
Delta R.T.: -0.013 min
Response: 3067892
Conc: 18.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: -0.010 min
Response: 3079047
Conc: 18.13 ug/ml



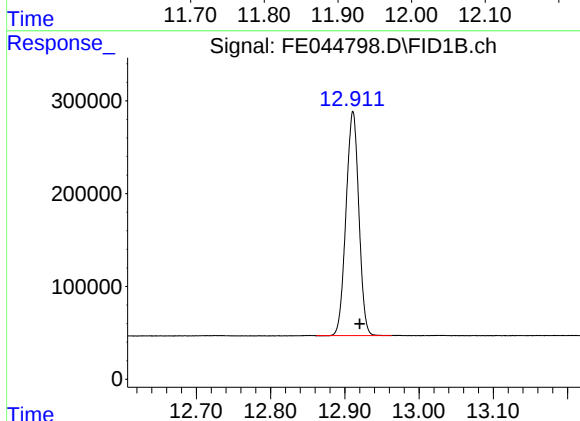
#9 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.012 min
Response: 3384097
Conc: 18.03 ug/ml

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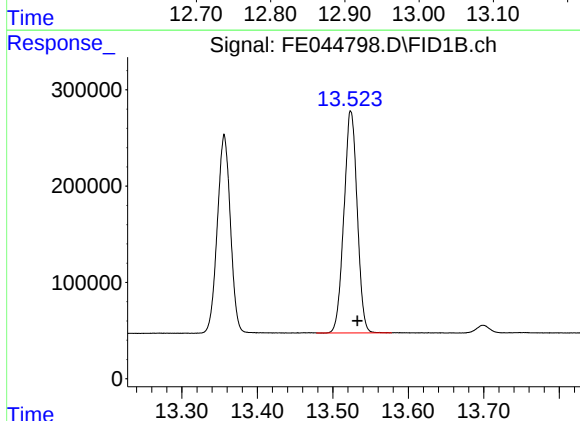
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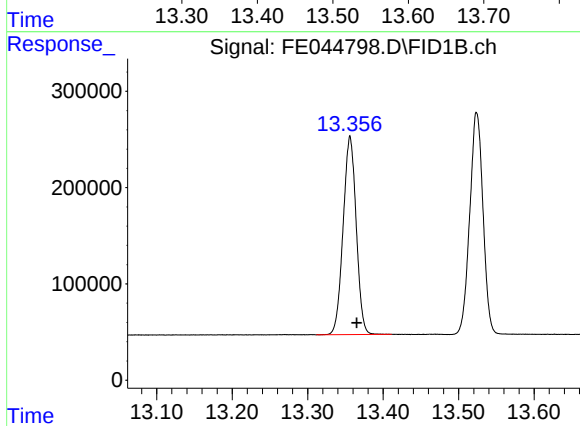
#10 n-Eicosane (C20)

R.T.: 12.911 min
Delta R.T.: -0.009 min
Response: 2903028
Conc: 18.04 ug/ml



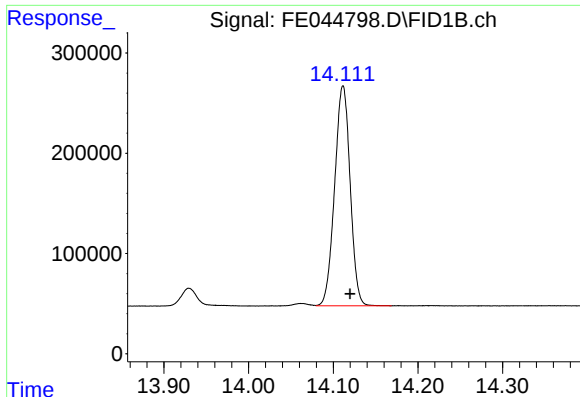
#11 n-Heneicosane (C21)

R.T.: 13.524 min
Delta R.T.: -0.009 min
Response: 2814619
Conc: 17.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min
Delta R.T.: -0.009 min
Response: 2478033
Conc: 18.22 ug/ml



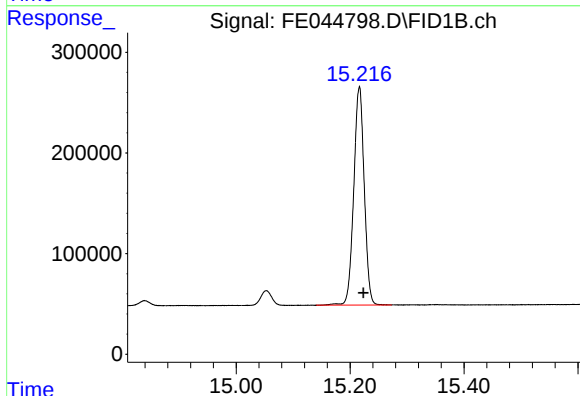
#13 n-Docosane (C22)

R.T.: 14.112 min
Delta R.T.: -0.008 min
Response: 2792891
Conc: 18.11 ug/ml

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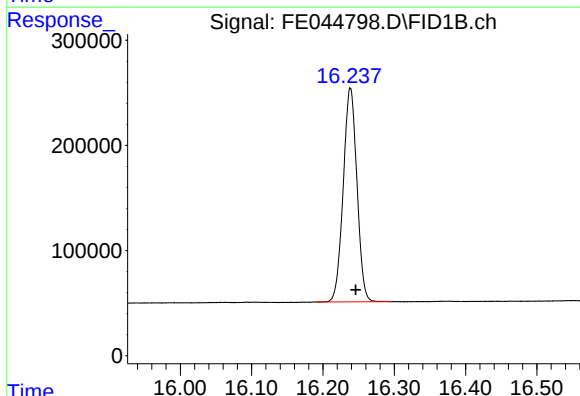
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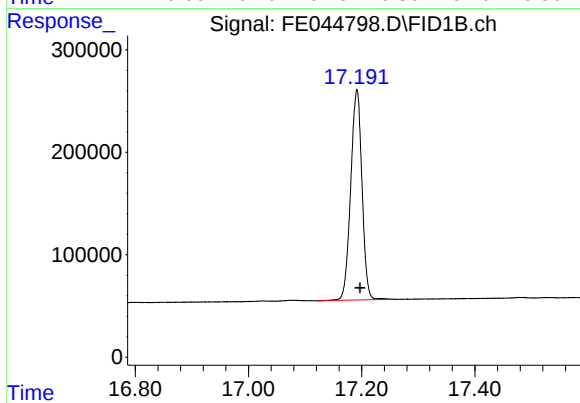
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.007 min
Response: 2775021
Conc: 18.36 ug/ml



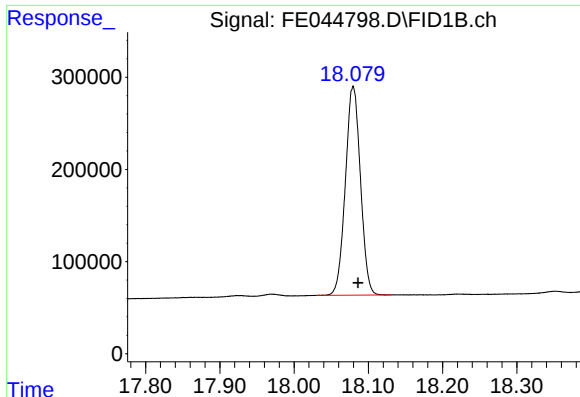
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: -0.008 min
Response: 2716136
Conc: 18.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.192 min
Delta R.T.: -0.005 min
Response: 2837600
Conc: 19.78 ug/ml



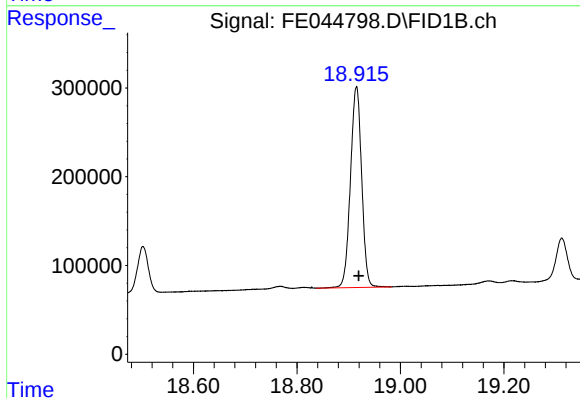
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: -0.007 min
Response: 3196296
Conc: 21.56 ug/ml

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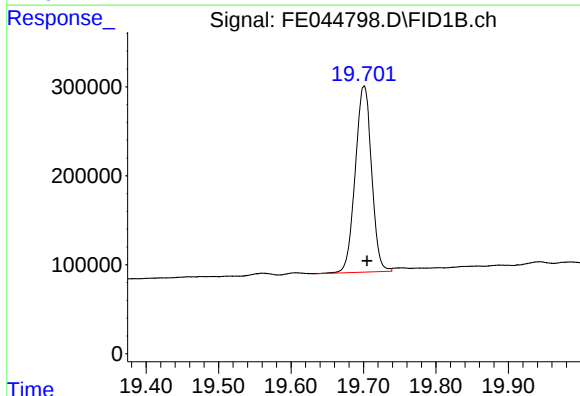
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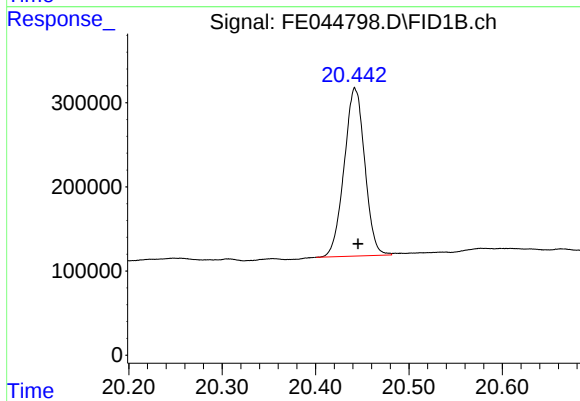
#18 n-Dotriacontane (C32)

R.T.: 18.915 min
Delta R.T.: -0.005 min
Response: 3403082
Conc: 22.99 ug/ml



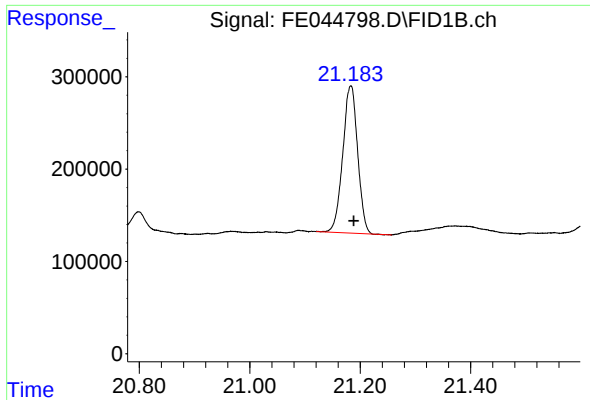
#19 n-Tetratriacontane (C34)

R.T.: 19.701 min
Delta R.T.: -0.004 min
Response: 3271001
Conc: 22.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.442 min
Delta R.T.: -0.003 min
Response: 3055877
Conc: 21.07 ug/ml



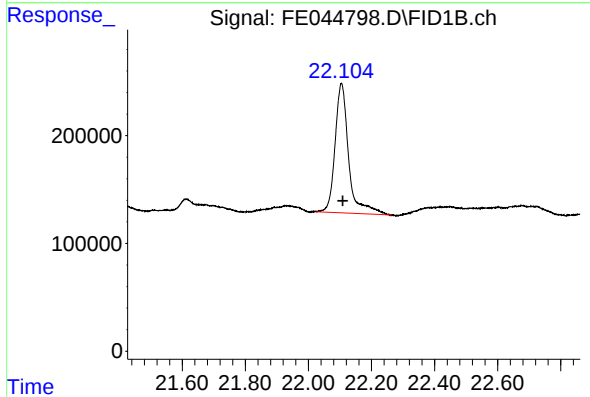
#21 n-Octatriacontane (C38)

R.T.: 21.183 min
Delta R.T.: -0.005 min
Response: 2987543
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: -0.005 min
Response: 3583470
Conc: 22.71 ug/ml m