

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101723AL\
 Data File : FE044910.D
 Signal(s) : FID1B.ch
 Acq On : 17 Oct 2023 22:29
 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 10/18/2023
 Supervised By :Ankita Jodhani 10/18/2023

Integration File: autoint1.e
 Quant Time: Oct 18 01:26:33 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.902	3764907	18.781 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
12) S 1-chlorooctadecane (S...	13.344	2742351	18.531 ug/ml
Spiked Amount 50.000		Recovery =	37.06%
Target Compounds			
1) T n-Nonane (C9)	3.287	3138190	18.707 ug/ml
2) T n-Decane (C10)	4.539	3197609	18.771 ug/ml
3) T A~Naphthalene (C11.7)	6.239	3488357	18.844 ug/ml
4) T n-Dodecane (C12)	6.704	3244153	18.794 ug/ml
5) T A~2-methylnaphthalene...	7.335	3385102	18.765 ug/ml
6) T n-Tetradecane (C14)	8.532	3220652	18.782 ug/ml
7) T n-Hexadecane (C16)	10.141	3284418	18.782 ug/ml
8) T n-Octadecane (C18)	11.588	3282597	18.821 ug/ml
10) T n-Eicosane (C20)	12.899	3140066	18.799 ug/ml
11) T n-Heneicosane (C21)	13.512	3046207	18.687 ug/ml
13) T n-Docosane (C22)	14.100	3041700	19.016 ug/ml
14) T n-Tetracosane (C24)	15.204	3033323	19.545 ug/ml
15) T n-Hexacosane (C26)	16.228	3012600	20.066 ug/ml
16) T n-Octacosane (C28)	17.178	3039283	20.697 ug/mlm
17) T n-Tricontane (C30)	18.068	3126681	21.023 ug/ml
18) T n-Dotriacontane (C32)	18.903	3156483	21.030 ug/ml
19) T n-Tetratriacontane (C34)	19.688	3059898	20.555 ug/ml
20) T n-Hexatriacontane (C36)	20.427	3030615	19.713 ug/mlm
21) T n-Octatriacontane (C38)	21.166	3080828	19.722 ug/mlm
22) T n-Tetracontane (C40)	22.083	3219927	19.267 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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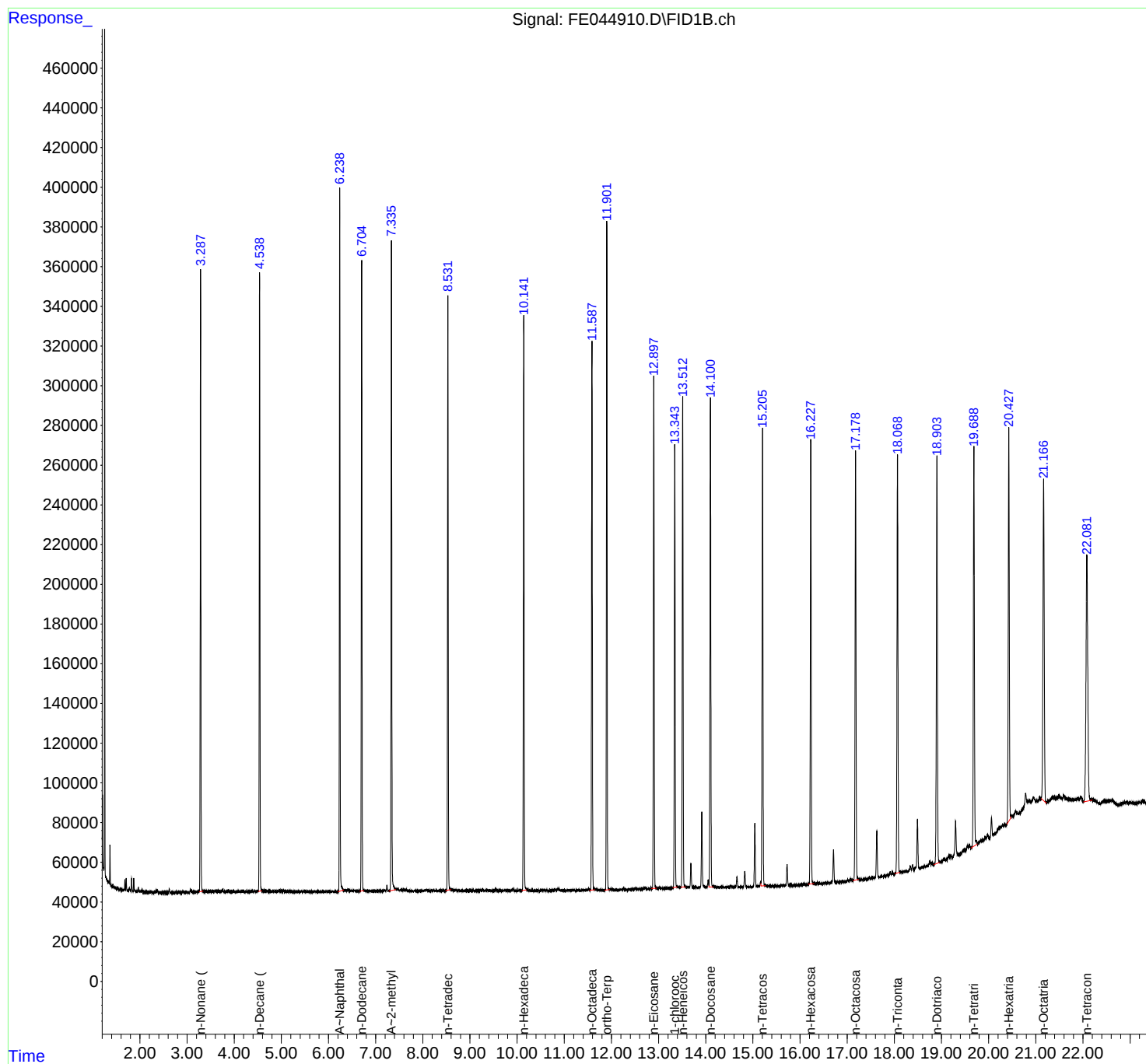
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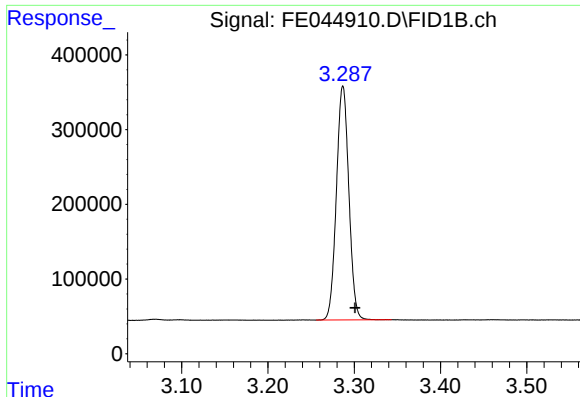
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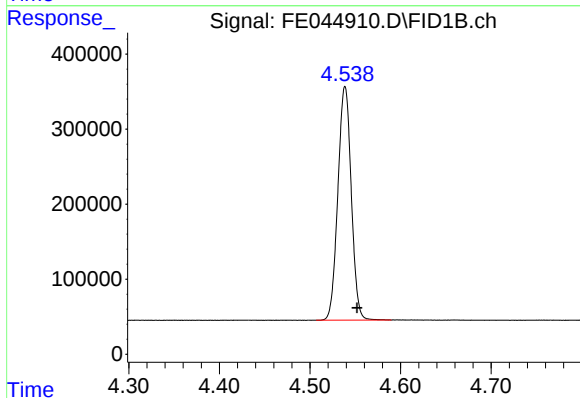
#1 n-Nonane (C9)

R.T.: 3.287 min
Delta R.T.: -0.014 min
Response: 3138190
Conc: 18.71 ug/ml

Instrument :
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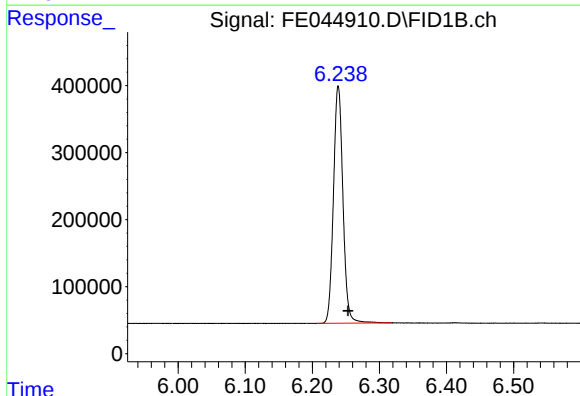
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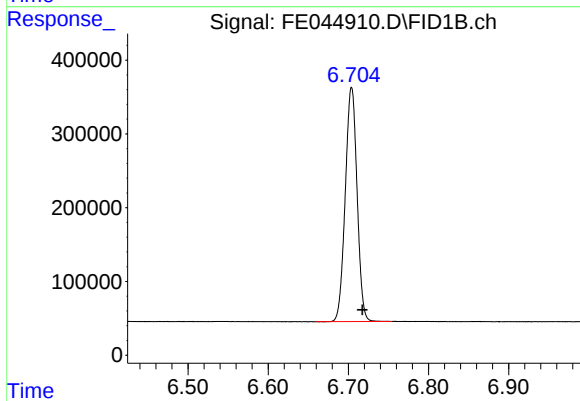
#2 n-Decane (C10)

R.T.: 4.539 min
Delta R.T.: -0.013 min
Response: 3197609
Conc: 18.77 ug/ml



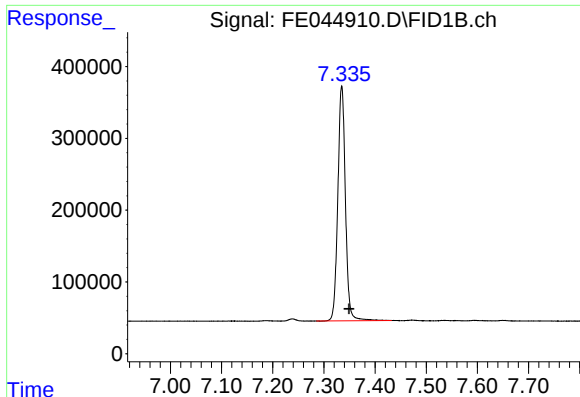
#3 A~Naphthalene (C11.7)

R.T.: 6.239 min
Delta R.T.: -0.014 min
Response: 3488357
Conc: 18.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.704 min
Delta R.T.: -0.013 min
Response: 3244153
Conc: 18.79 ug/ml



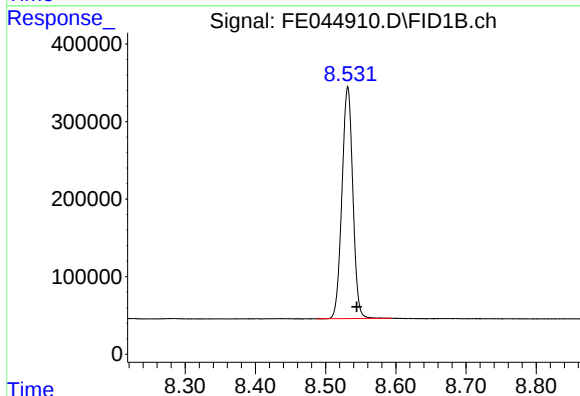
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.335 min
Delta R.T.: -0.014 min
Response: 3385102
Conc: 18.77 ug/ml

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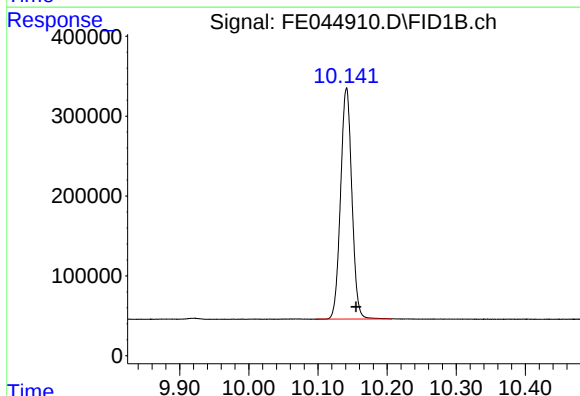
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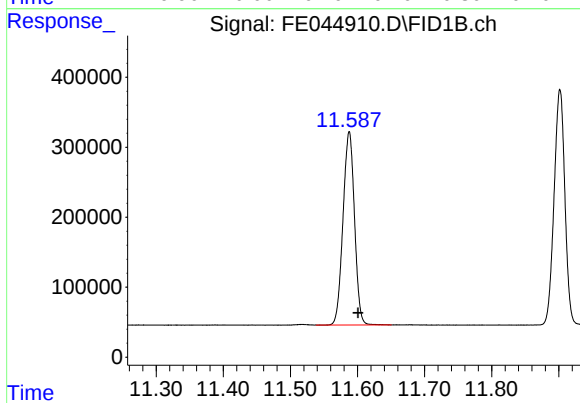
#6 n-Tetradecane (C14)

R.T.: 8.532 min
Delta R.T.: -0.013 min
Response: 3220652
Conc: 18.78 ug/ml



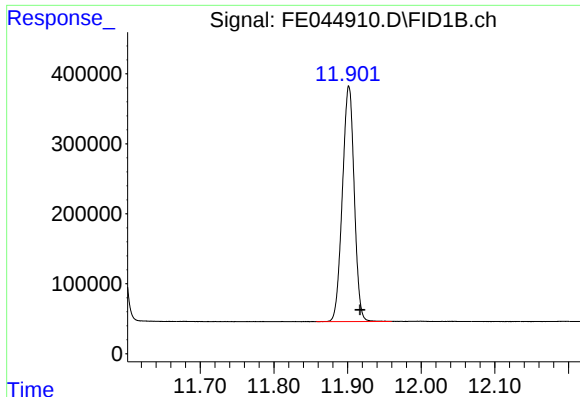
#7 n-Hexadecane (C16)

R.T.: 10.141 min
Delta R.T.: -0.014 min
Response: 3284418
Conc: 18.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.588 min
Delta R.T.: -0.013 min
Response: 3282597
Conc: 18.82 ug/ml



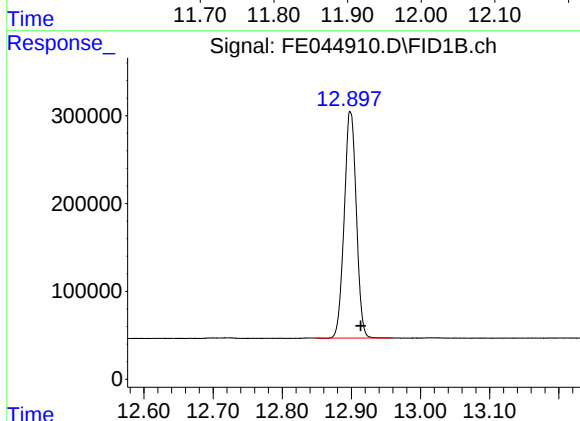
#9 ortho-Terphenyl (SURR)

R.T.: 11.902 min
Delta R.T.: -0.015 min
Response: 3764907
Conc: 18.78 ug/ml

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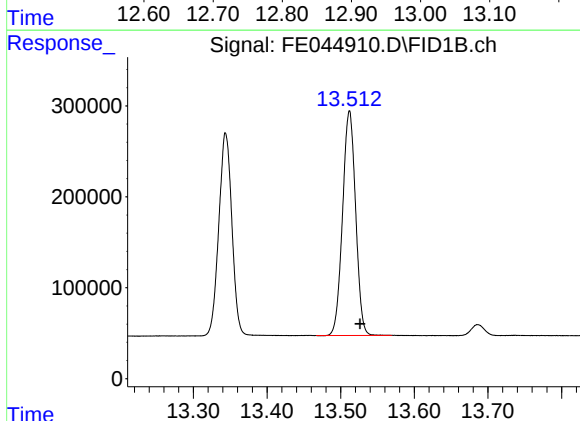
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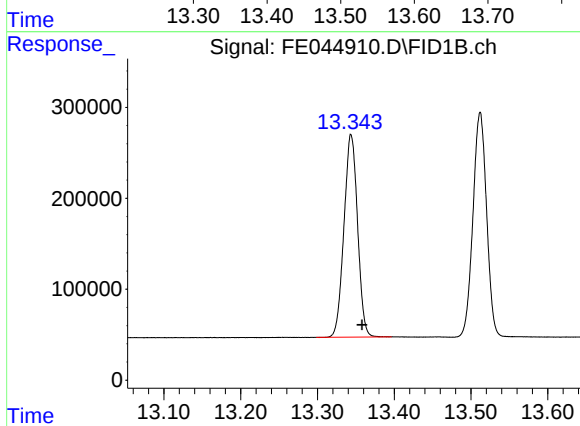
#10 n-Eicosane (C20)

R.T.: 12.899 min
Delta R.T.: -0.015 min
Response: 3140066
Conc: 18.80 ug/ml



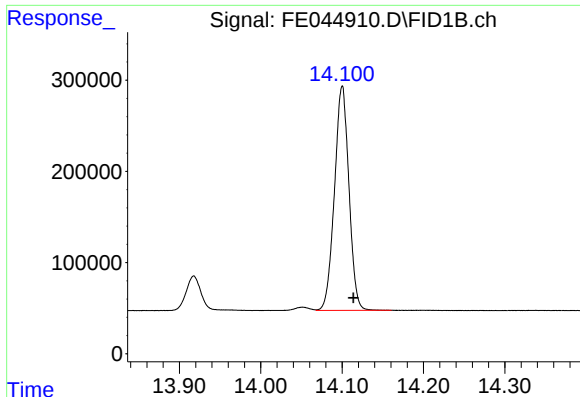
#11 n-Heneicosane (C21)

R.T.: 13.512 min
Delta R.T.: -0.015 min
Response: 3046207
Conc: 18.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: -0.014 min
Response: 2742351
Conc: 18.53 ug/ml



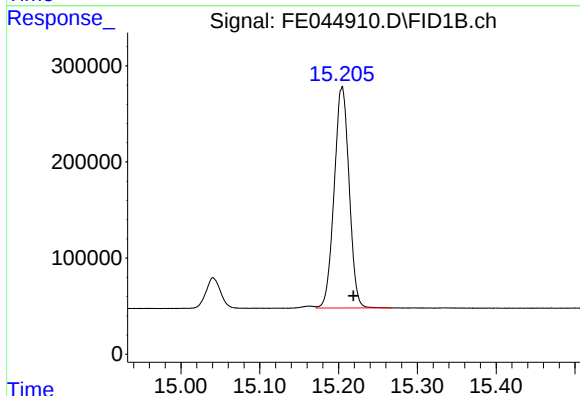
#13 n-Docosane (C22)

R.T.: 14.100 min
Delta R.T.: -0.014 min
Response: 3041700
Conc: 19.02 ug/ml

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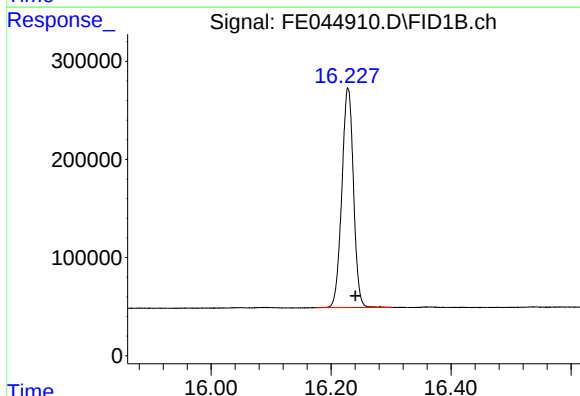
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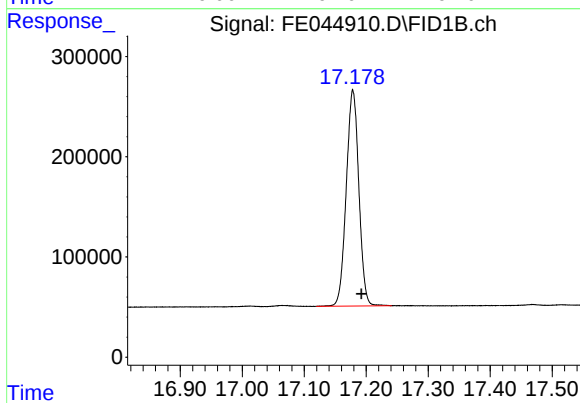
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: -0.014 min
Response: 3033323
Conc: 19.55 ug/ml



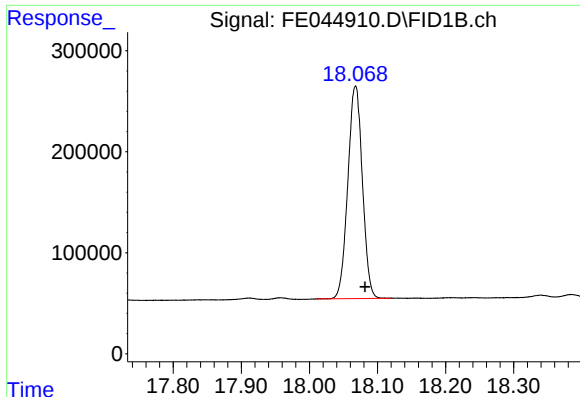
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: -0.012 min
Response: 3012600
Conc: 20.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min
Delta R.T.: -0.015 min
Response: 3039283
Conc: 20.70 ug/ml m



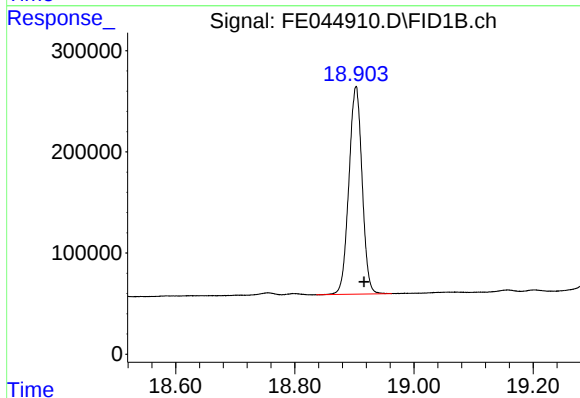
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: -0.014 min
Response: 3126681
Conc: 21.02 ug/ml

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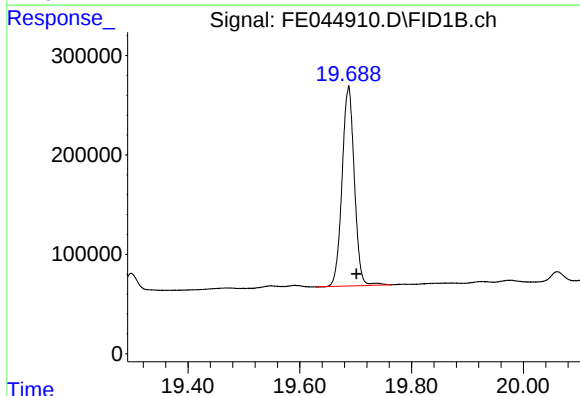
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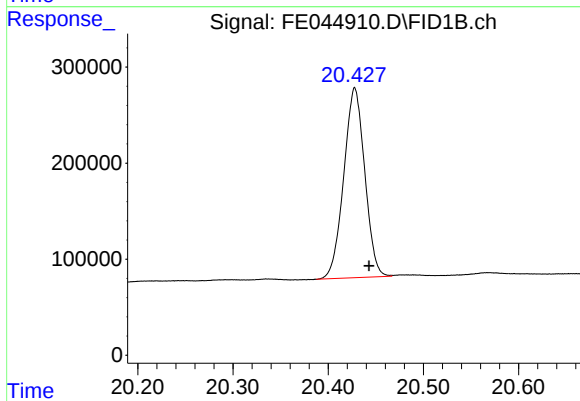
#18 n-Dotriacontane (C32)

R.T.: 18.903 min
Delta R.T.: -0.013 min
Response: 3156483
Conc: 21.03 ug/ml



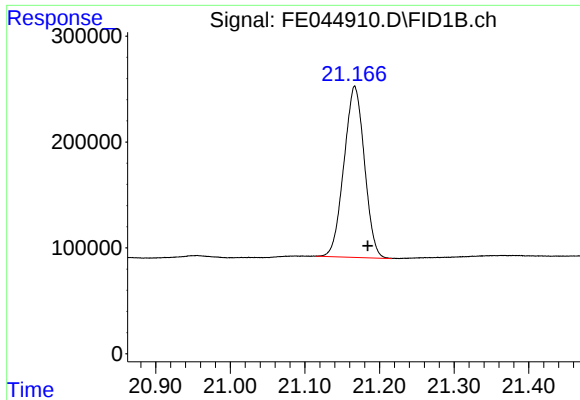
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: -0.014 min
Response: 3059898
Conc: 20.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: -0.015 min
Response: 3030615
Conc: 19.71 ug/ml m



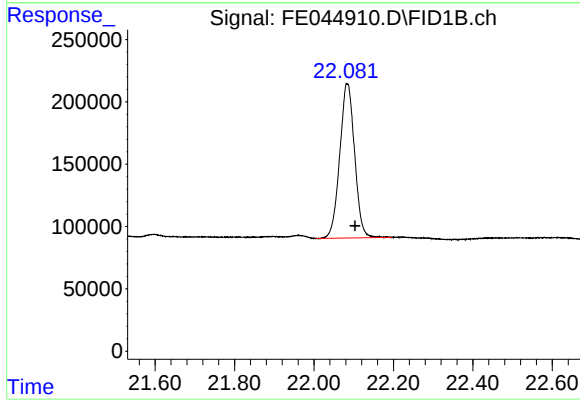
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: -0.018 min
Response: 3080828
Conc: 19.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.083 min
Delta R.T.: -0.020 min
Response: 3219927
Conc: 19.27 ug/ml