

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101823AL\
 Data File : FE044913.D
 Signal(s) : FID1B.ch
 Acq On : 18 Oct 2023 07:21
 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 08:07:20 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101123.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)	11.903	3868586	19.298 ug/ml
Spiked Amount 50.000		Recovery =	38.60%
12) S 1-chlorooctadecane (S...	13.344	2821728	19.068 ug/ml
Spiked Amount 50.000		Recovery =	38.14%
Target Compounds			
1) T n-Nonane (C9)	3.287	3261521	19.442 ug/ml
2) T n-Decane (C10)	4.539	3314146	19.455 ug/ml
3) T A~Naphthalene (C11.7)	6.239	3615209	19.529 ug/ml
4) T n-Dodecane (C12)	6.704	3354081	19.430 ug/ml
5) T A~2-methylnaphthalene...	7.335	3501880	19.413 ug/ml
6) T n-Tetradecane (C14)	8.531	3350889	19.541 ug/ml
7) T n-Hexadecane (C16)	10.142	3409457	19.497 ug/ml
8) T n-Octadecane (C18)	11.588	3384999	19.408 ug/ml
10) T n-Eicosane (C20)	12.900	3236080	19.374 ug/ml
11) T n-Heneicosane (C21)	13.513	3139951	19.262 ug/ml
13) T n-Docosane (C22)	14.100	3124241	19.532 ug/ml
14) T n-Tetracosane (C24)	15.205	3146810	20.276 ug/ml
15) T n-Hexacosane (C26)	16.228	3102168	20.662 ug/ml
16) T n-Octacosane (C28)	17.179	3138914	21.376 ug/ml
17) T n-Tricontane (C30)	18.068	3245761	21.823 ug/ml
18) T n-Dotriacontane (C32)	18.902	3272769	21.805 ug/ml
19) T n-Tetratriacontane (C34)	19.687	3123158	20.980 ug/ml
20) T n-Hexatriacontane (C36)	20.427	3173326	20.641 ug/mlm
21) T n-Octatriacontane (C38)	21.167	3162595	20.246 ug/mlm
22) T n-Tetracontane (C40)	22.084	3277248	19.610 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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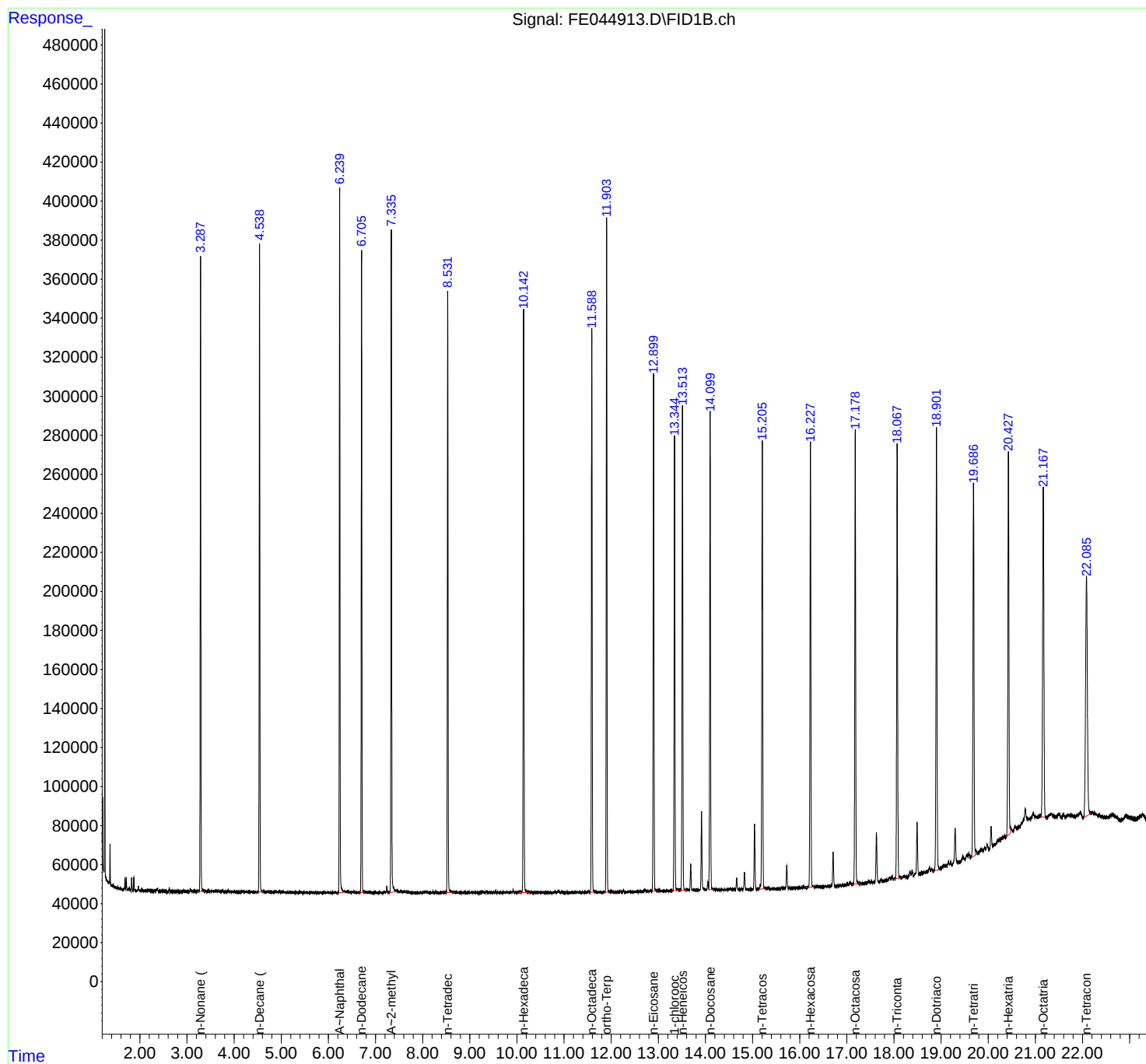
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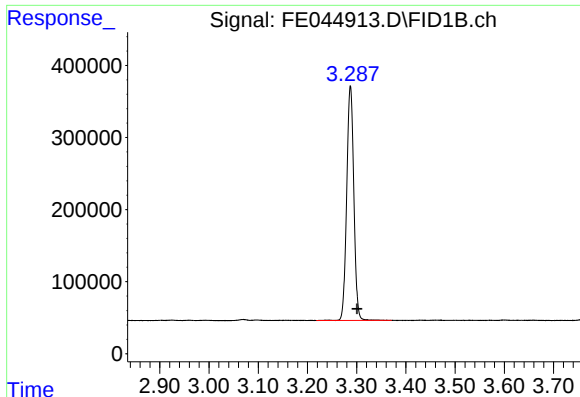
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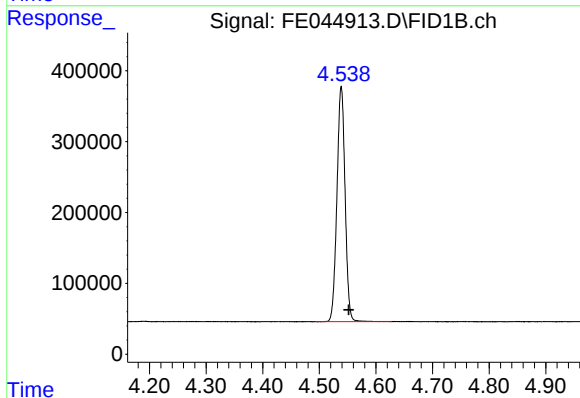
#1 n-Nonane (C9)

R.T.: 3.287 min
Delta R.T.: -0.014 min
Response: 3261521
Conc: 19.44 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

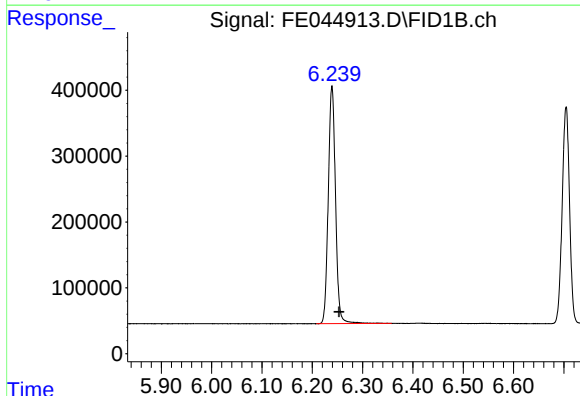
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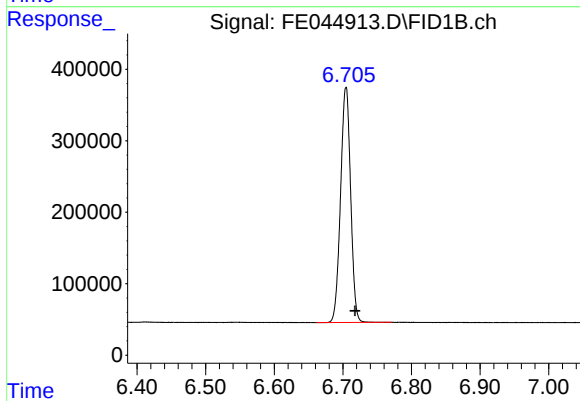
#2 n-Decane (C10)

R.T.: 4.539 min
Delta R.T.: -0.013 min
Response: 3314146
Conc: 19.45 ug/ml



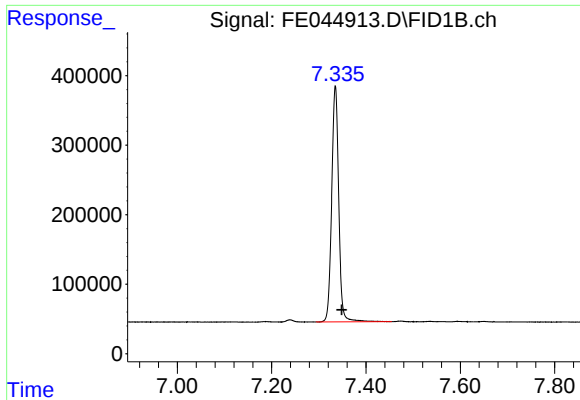
#3 A~Naphthalene (C11.7)

R.T.: 6.239 min
Delta R.T.: -0.014 min
Response: 3615209
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.704 min
Delta R.T.: -0.013 min
Response: 3354081
Conc: 19.43 ug/ml



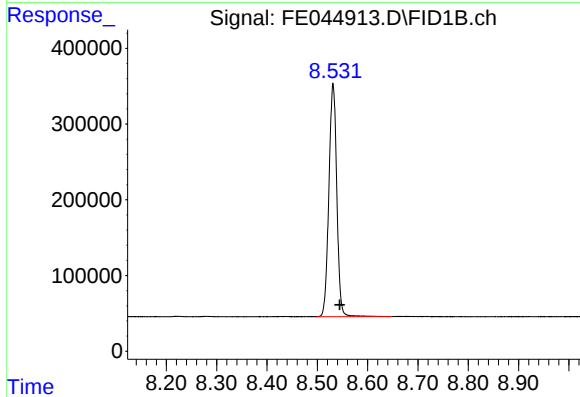
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.335 min
Delta R.T.: -0.014 min
Response: 3501880
Conc: 19.41 ug/ml

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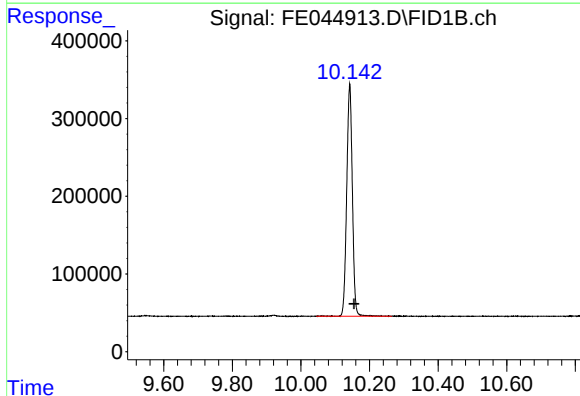
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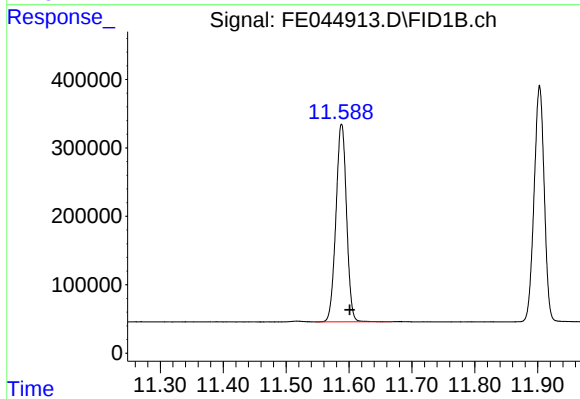
#6 n-Tetradecane (C14)

R.T.: 8.531 min
Delta R.T.: -0.013 min
Response: 3350889
Conc: 19.54 ug/ml



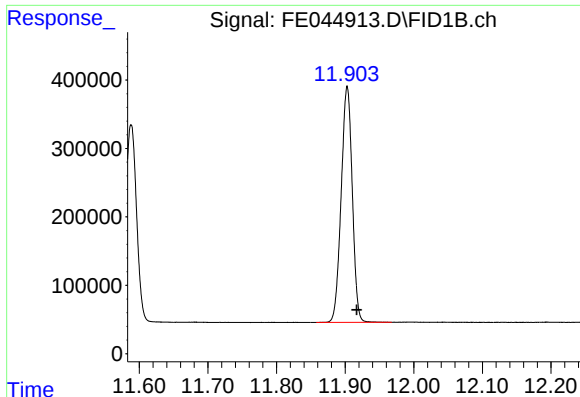
#7 n-Hexadecane (C16)

R.T.: 10.142 min
Delta R.T.: -0.013 min
Response: 3409457
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.588 min
Delta R.T.: -0.013 min
Response: 3384999
Conc: 19.41 ug/ml



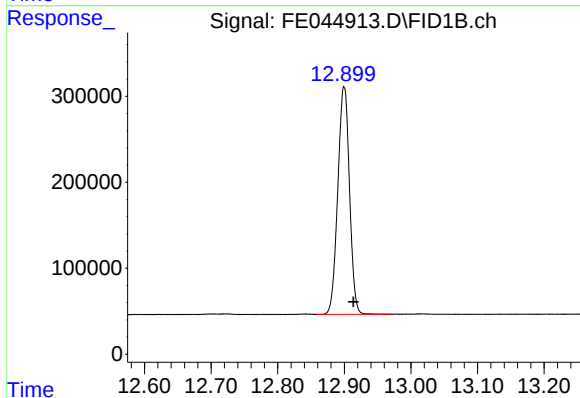
#9 ortho-Terphenyl (SURR)

R.T.: 11.903 min
Delta R.T.: -0.014 min
Response: 3868586
Conc: 19.30 ug/ml

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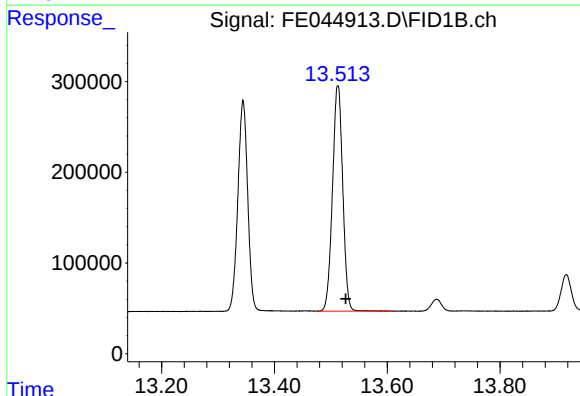
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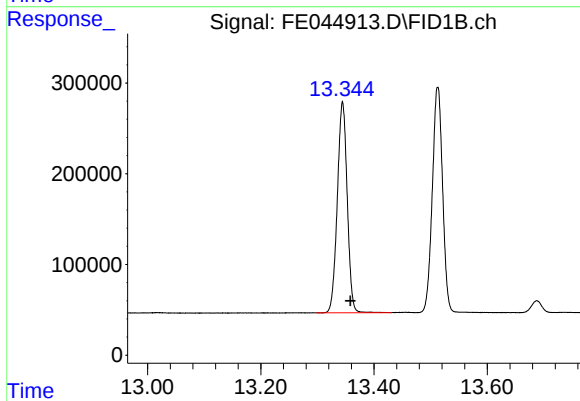
#10 n-Eicosane (C20)

R.T.: 12.900 min
Delta R.T.: -0.014 min
Response: 3236080
Conc: 19.37 ug/ml



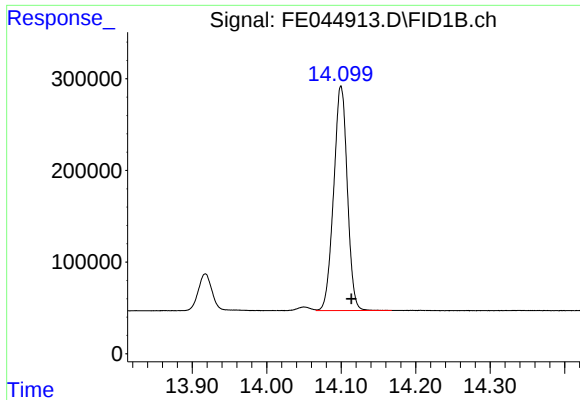
#11 n-Heneicosane (C21)

R.T.: 13.513 min
Delta R.T.: -0.014 min
Response: 3139951
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: -0.014 min
Response: 2821728
Conc: 19.07 ug/ml



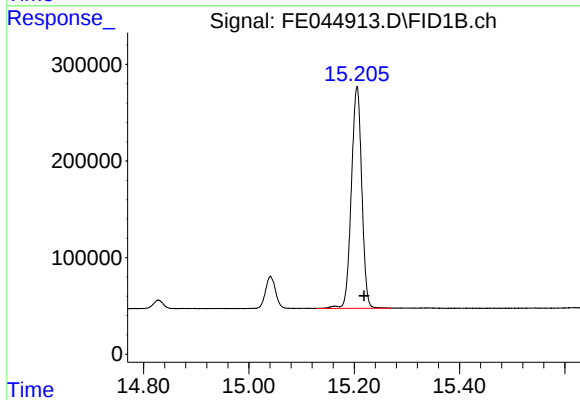
#13 n-Docosane (C22)

R.T.: 14.100 min
Delta R.T.: -0.014 min
Response: 3124241
Conc: 19.53 ug/ml

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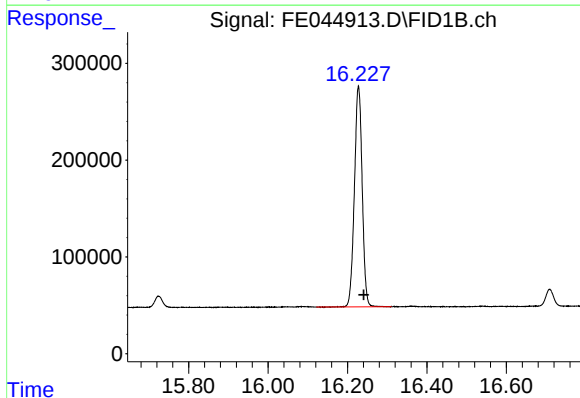
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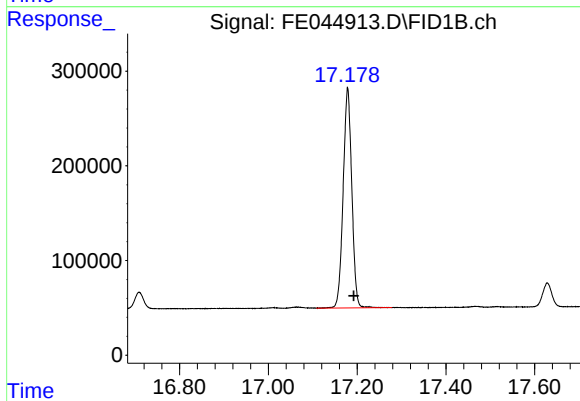
#14 n-Tetracosane (C24)

R.T.: 15.205 min
Delta R.T.: -0.013 min
Response: 3146810
Conc: 20.28 ug/ml



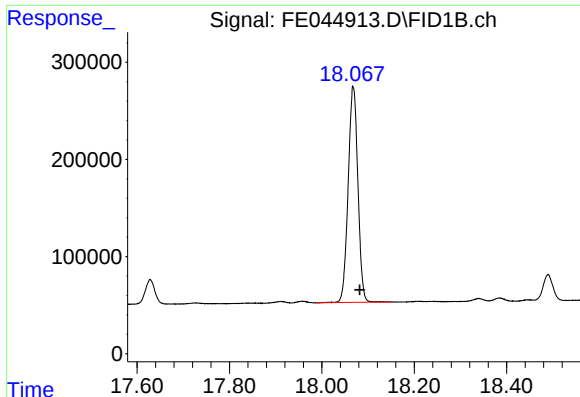
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: -0.013 min
Response: 3102168
Conc: 20.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.179 min
Delta R.T.: -0.014 min
Response: 3138914
Conc: 21.38 ug/ml



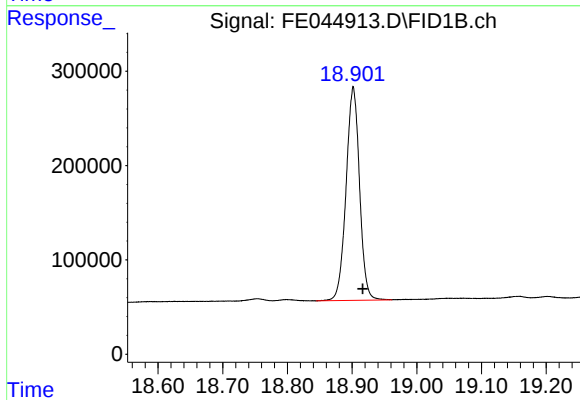
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: -0.014 min
Response: 3245761
Conc: 21.82 ug/ml

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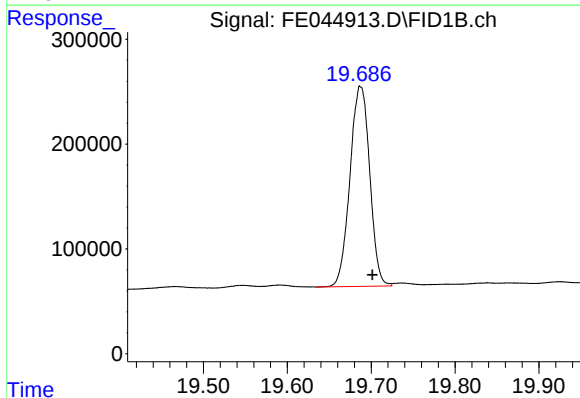
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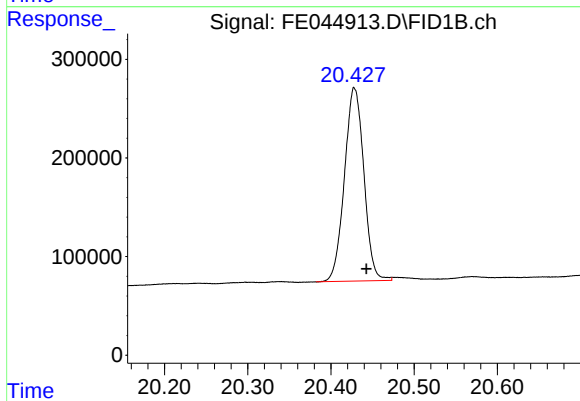
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: -0.015 min
Response: 3272769
Conc: 21.80 ug/ml



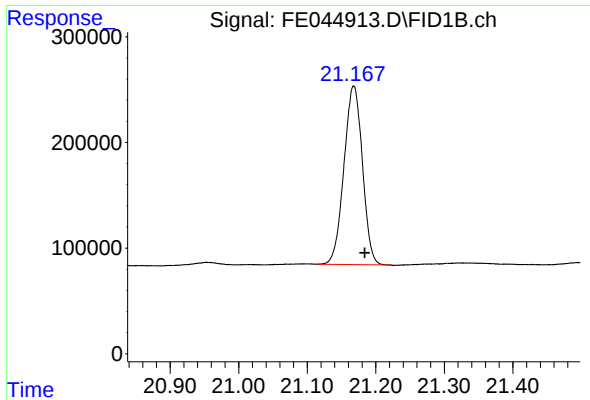
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min
Delta R.T.: -0.014 min
Response: 3123158
Conc: 20.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: -0.016 min
Response: 3173326
Conc: 20.64 ug/ml m



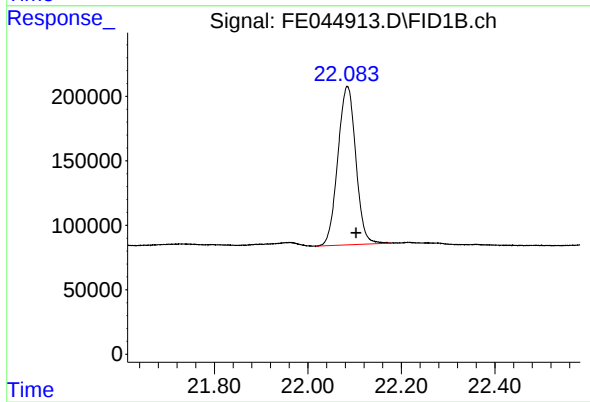
#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: -0.017 min
Response: 3162595
Conc: 20.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.084 min
Delta R.T.: -0.019 min
Response: 3277248
Conc: 19.61 ug/ml