

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050124AL\
 Data File : FE047900.D
 Signal(s) : FID1B.ch
 Acq On : 01 May 2024 08:50
 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 05/02/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 02 02:11:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.975	3144601	21.797 ug/ml
Spiked Amount 50.000		Recovery =	43.59%
12) S 1-chlorooctadecane (S...	13.409	2437425	21.813 ug/ml
Spiked Amount 50.000		Recovery =	43.63%
Target Compounds			
1) T n-Nonane (C9)	3.354	2804563	21.761 ug/ml
2) T n-Decane (C10)	4.606	2894421	21.985 ug/ml
3) T A~Naphthalene (C11.7)	6.315	3048690	22.079 ug/ml
4) T n-Dodecane (C12)	6.773	2924244	21.935 ug/ml
5) T A~2-methylnaphthalene...	7.411	2935043	22.056 ug/ml
6) T n-Tetradecane (C14)	8.602	2895423	21.849 ug/ml
7) T n-Hexadecane (C16)	10.210	3005015	21.849 ug/ml
8) T n-Octadecane (C18)	11.653	3051299	21.905 ug/ml
10) T n-Eicosane (C20)	12.964	2960068	21.984 ug/ml
11) T n-Heneicosane (C21)	13.575	2890889	21.839 ug/ml
13) T n-Docosane (C22)	14.162	2950509	22.265 ug/ml
14) T n-Tetracosane (C24)	15.263	3068156	23.042 ug/ml
15) T n-Hexacosane (C26)	16.285	3141341	23.541 ug/ml
16) T n-Octacosane (C28)	17.234	3239894	24.333 ug/ml
17) T n-Tricontane (C30)	18.121	3386688	24.539 ug/ml
18) T n-Dotriacontane (C32)	18.954	3330543	24.112 ug/ml
19) T n-Tetratriacontane (C34)	19.736	3169244	23.265 ug/ml
20) T n-Hexatriacontane (C36)	20.475	3041351	22.462 ug/ml
21) T n-Octatriacontane (C38)	21.219	2999033	21.721 ug/ml
22) T n-Tetracontane (C40)	22.151	2915308	20.925 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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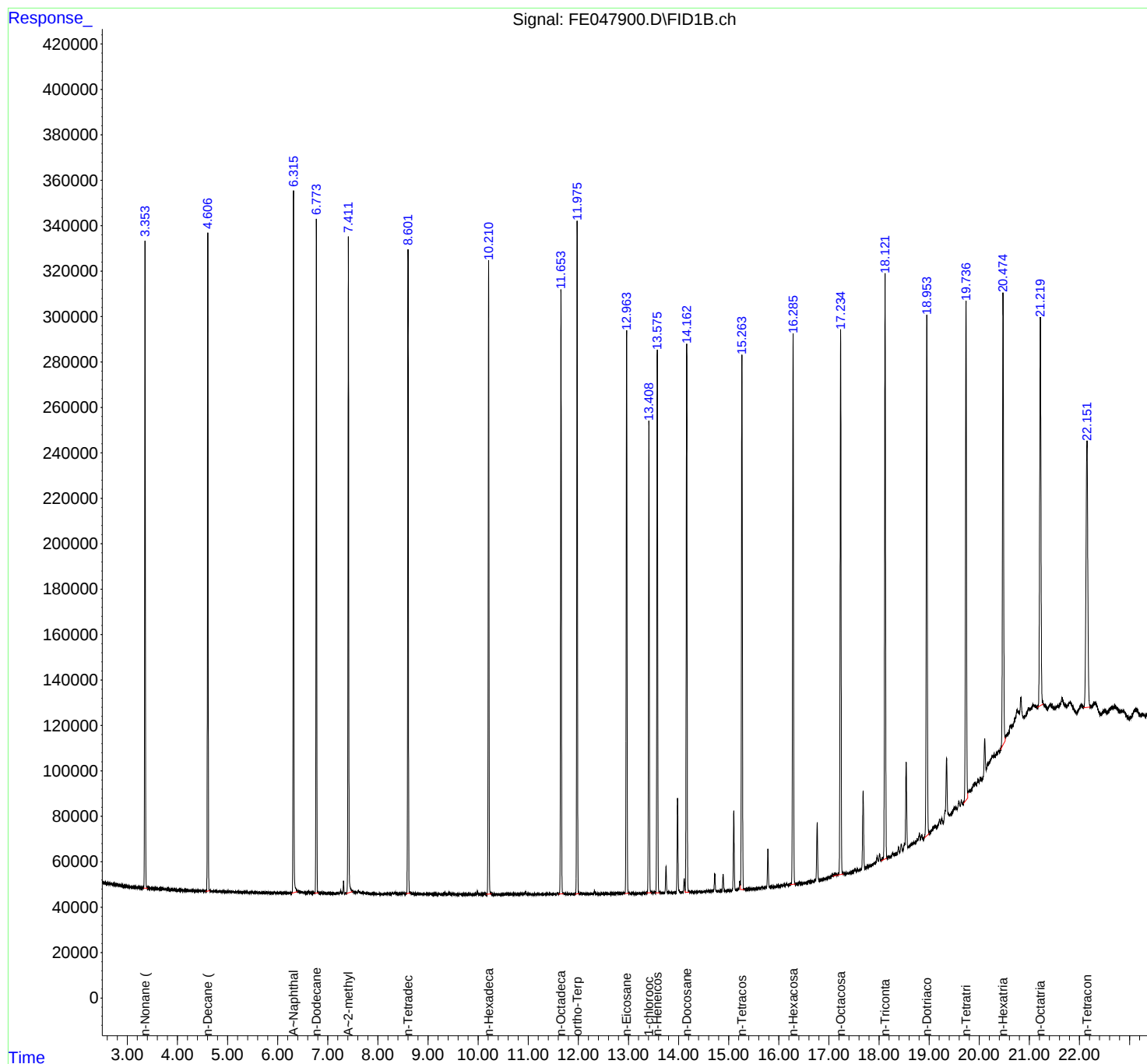
Instrument :
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20 PPM ALIPHATIC HC STD

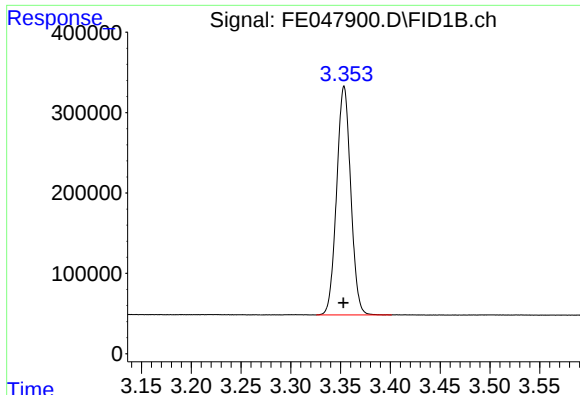
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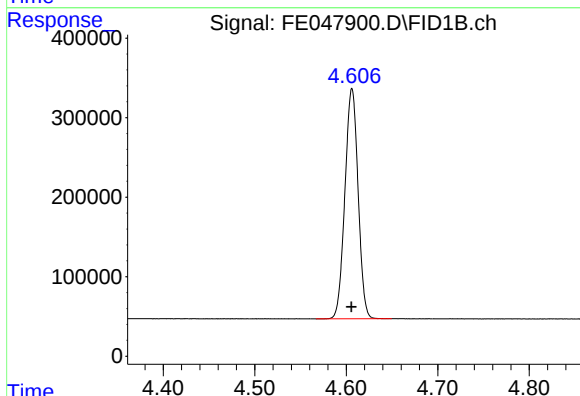
#1 n-Nonane (C9)

R.T.: 3.354 min
Delta R.T.: 0.000 min
Response: 2804563
Conc: 21.76 ug/ml

Instrument :
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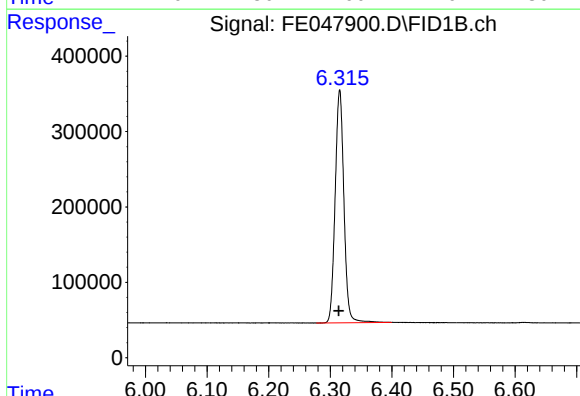
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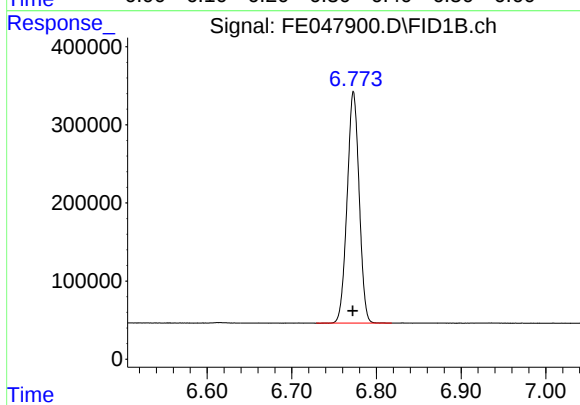
#2 n-Decane (C10)

R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 2894421
Conc: 21.98 ug/ml



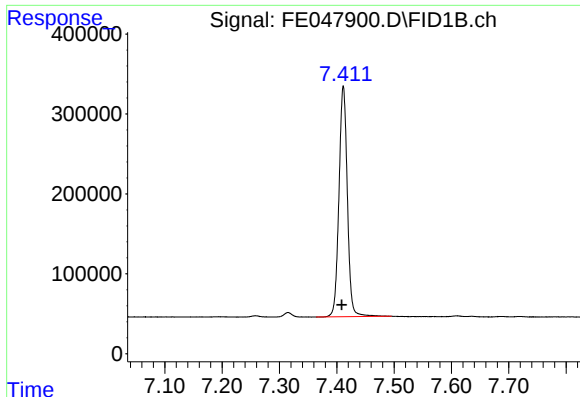
#3 A~Naphthalene (C11.7)

R.T.: 6.315 min
Delta R.T.: 0.002 min
Response: 3048690
Conc: 22.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 2924244
Conc: 21.94 ug/ml



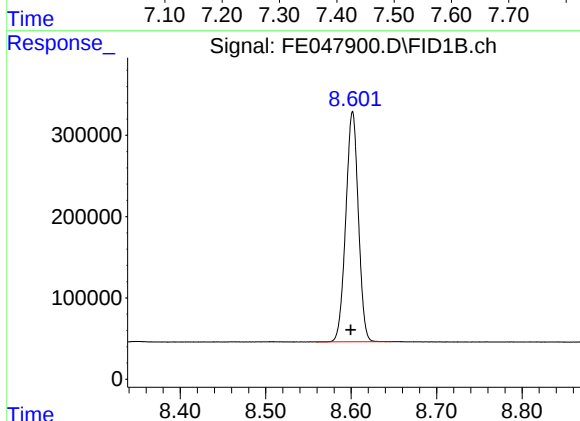
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.411 min
Delta R.T.: 0.002 min
Response: 2935043
Conc: 22.06 ug/ml

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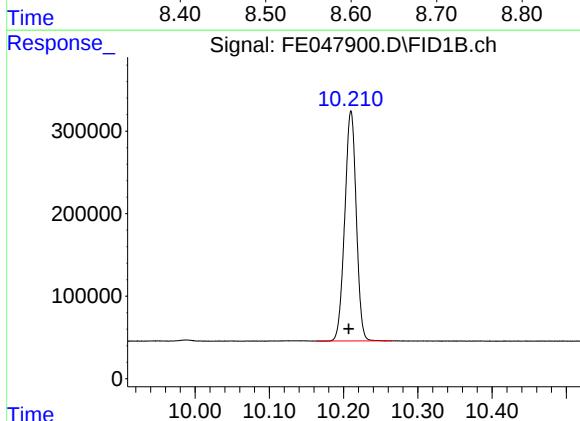
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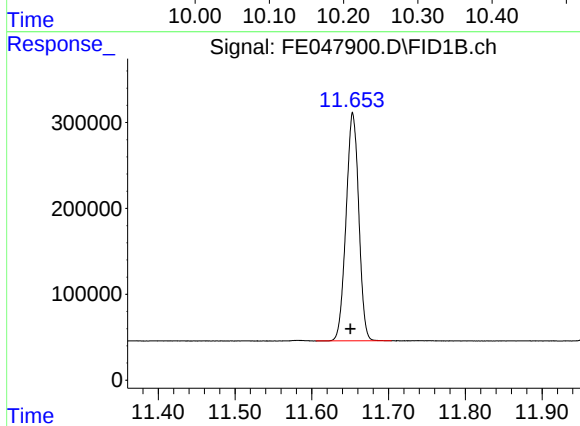
#6 n-Tetradecane (C14)

R.T.: 8.602 min
Delta R.T.: 0.002 min
Response: 2895423
Conc: 21.85 ug/ml



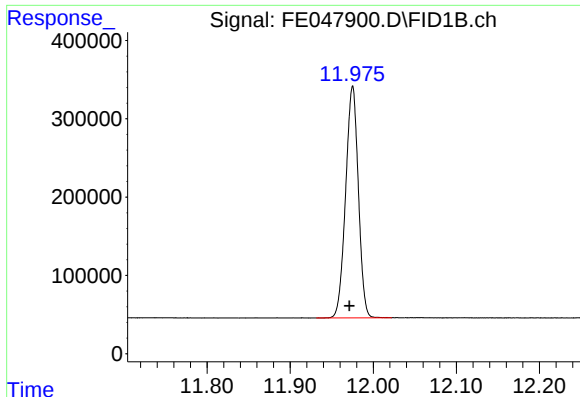
#7 n-Hexadecane (C16)

R.T.: 10.210 min
Delta R.T.: 0.003 min
Response: 3005015
Conc: 21.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.003 min
Response: 3051299
Conc: 21.91 ug/ml



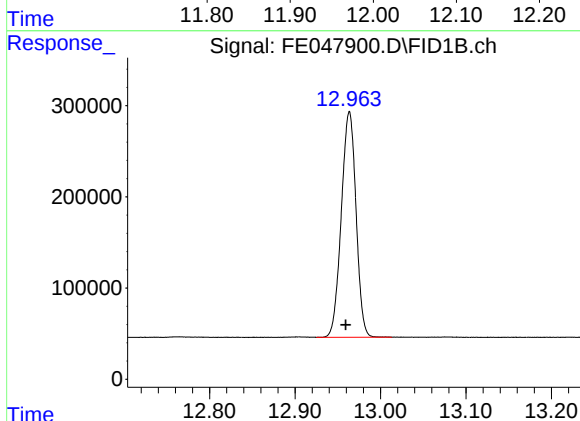
#9 ortho-Terphenyl (SURR)

R.T.: 11.975 min
Delta R.T.: 0.004 min
Response: 3144601
Conc: 21.80 ug/ml

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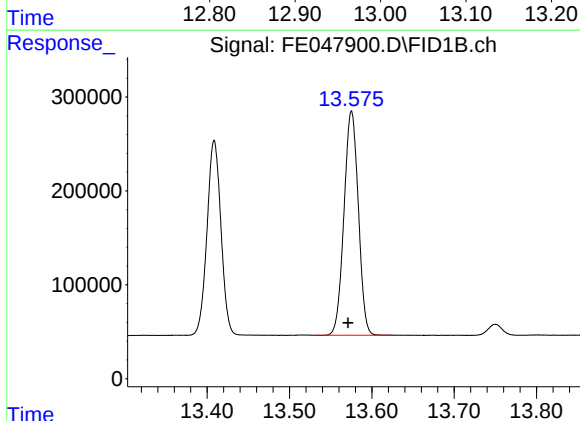
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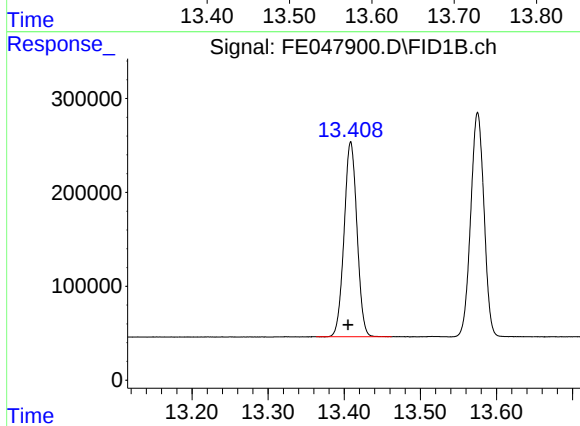
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: 0.004 min
Response: 2960068
Conc: 21.98 ug/ml



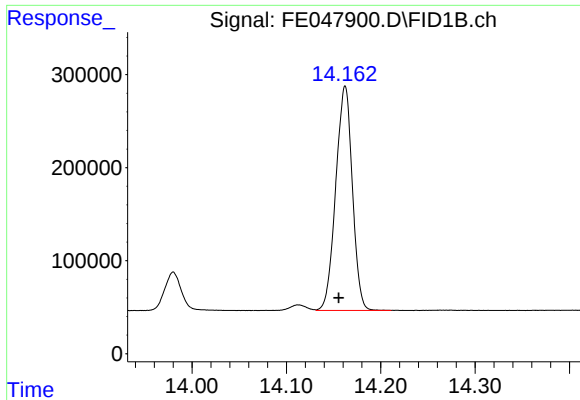
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.004 min
Response: 2890889
Conc: 21.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.409 min
Delta R.T.: 0.004 min
Response: 2437425
Conc: 21.81 ug/ml



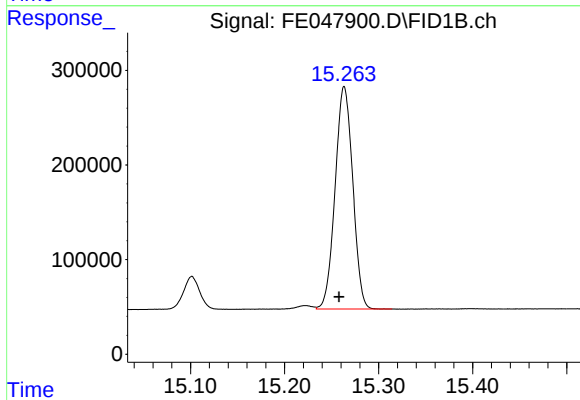
#13 n-Docosane (C22)

R.T.: 14.162 min
Delta R.T.: 0.007 min
Response: 2950509
Conc: 22.26 ug/ml

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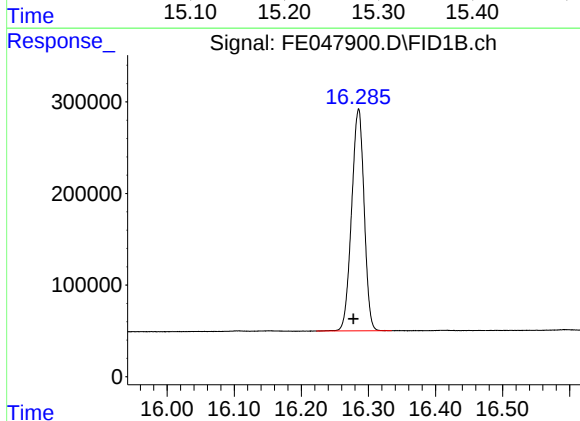
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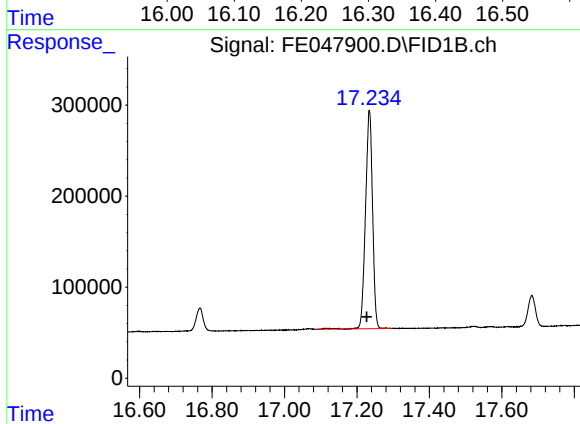
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: 0.005 min
Response: 3068156
Conc: 23.04 ug/ml



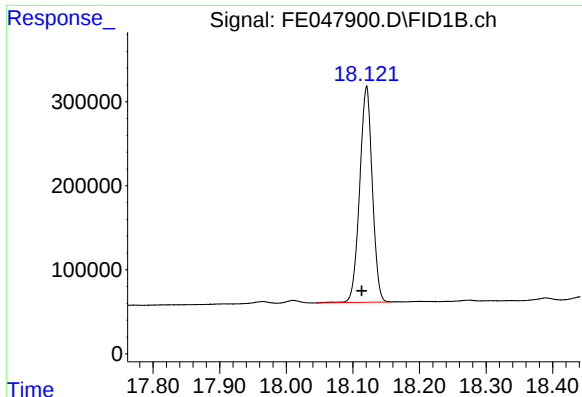
#15 n-Hexacosane (C26)

R.T.: 16.285 min
Delta R.T.: 0.008 min
Response: 3141341
Conc: 23.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.234 min
Delta R.T.: 0.007 min
Response: 3239894
Conc: 24.33 ug/ml



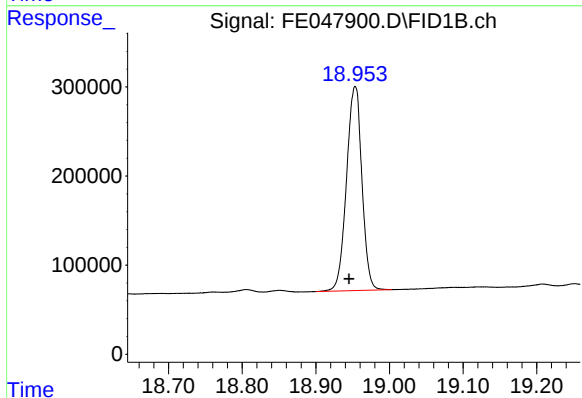
#17 n-Tricontane (C30)

R.T.: 18.121 min
Delta R.T.: 0.007 min
Response: 3386688
Conc: 24.54 ug/ml

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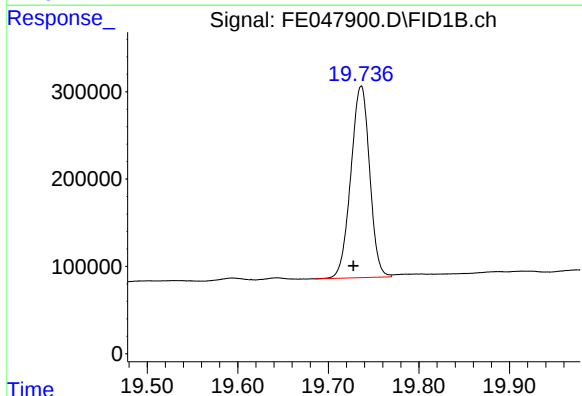
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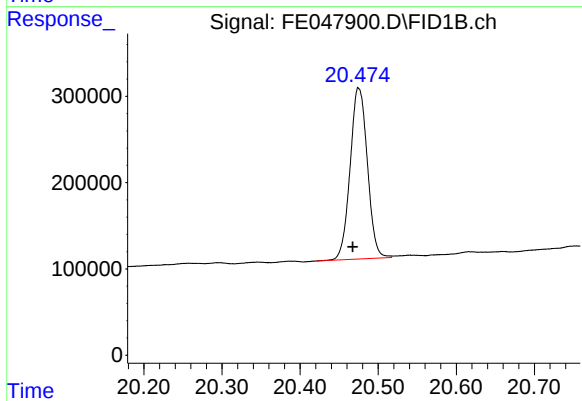
#18 n-Dotriacontane (C32)

R.T.: 18.954 min
Delta R.T.: 0.009 min
Response: 3330543
Conc: 24.11 ug/ml



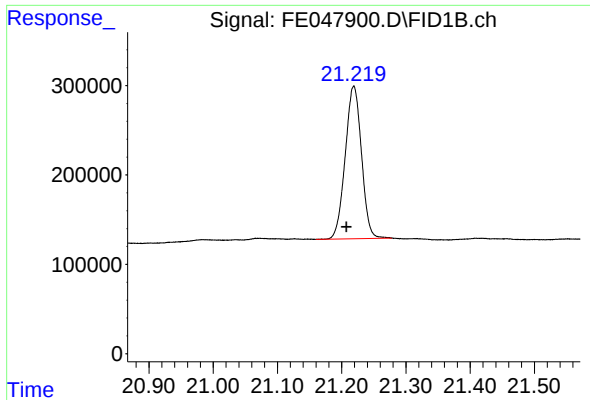
#19 n-Tetratriacontane (C34)

R.T.: 19.736 min
Delta R.T.: 0.009 min
Response: 3169244
Conc: 23.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.475 min
Delta R.T.: 0.008 min
Response: 3041351
Conc: 22.46 ug/ml



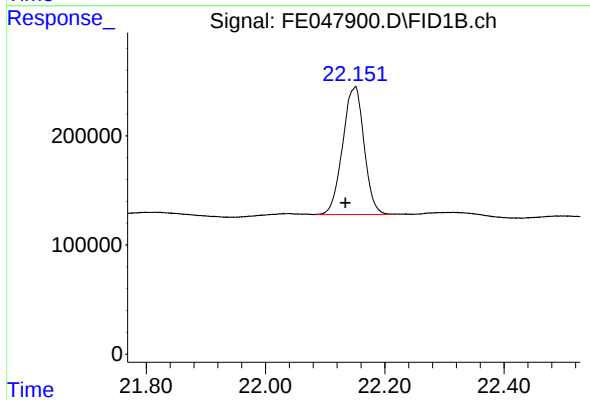
#21 n-Octatriacontane (C38)

R.T.: 21.219 min
Delta R.T.: 0.011 min
Response: 2999033
Conc: 21.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.151 min
Delta R.T.: 0.017 min
Response: 2915308
Conc: 20.93 ug/ml m