

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
 Data File : FF015752.D
 Signal(s) : FID2B.ch
 Acq On : 28 Mar 2025 21:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
 Quant Time: Mar 29 01:04:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 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)	11.937	2815033	18.477 ug/ml
Spiked Amount 50.000		Recovery =	36.95%
12) S 1-chlorooctadecane (S...	13.372	2144922	18.899 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
Target Compounds			
1) T n-Nonane (C9)	3.312	2309322	18.232 ug/ml
2) T n-Decane (C10)	4.568	2349157	18.293 ug/ml
3) T A~Naphthalene (C11.7)	6.284	2274992	17.529 ug/ml
4) T n-Dodecane (C12)	6.734	2430143	18.648 ug/ml
5) T A~2-methylnaphthalene...	7.387	1966251	16.592 ug/ml
6) T n-Tetradecane (C14)	8.562	2410033	18.610 ug/ml
7) T n-Hexadecane (C16)	10.169	2501355	18.705 ug/ml
8) T n-Octadecane (C18)	11.612	2591124	18.817 ug/ml
10) T n-Eicosane (C20)	12.923	2552579	18.940 ug/ml
11) T n-Heneicosane (C21)	13.535	2536166	18.977 ug/ml
13) T n-Docosane (C22)	14.123	2529514	18.903 ug/ml
14) T n-Tetracosane (C24)	15.227	2527219	18.878 ug/ml
15) T n-Hexacosane (C26)	16.248	2486811	19.014 ug/ml
16) T n-Octacosane (C28)	17.199	2463566	18.859 ug/ml
17) T n-Tricontane (C30)	18.087	2521536	18.699 ug/ml
18) T n-Dotriacontane (C32)	18.920	2421499	18.569 ug/ml
19) T n-Tetratriacontane (C34)	19.704	2089002	17.896 ug/ml
20) T n-Hexatriacontane (C36)	20.445	1778639	17.917 ug/ml
21) T n-Octatriacontane (C38)	21.182	1594751	18.252 ug/ml
22) T n-Tetracontane (C40)	22.099	1388495	17.301 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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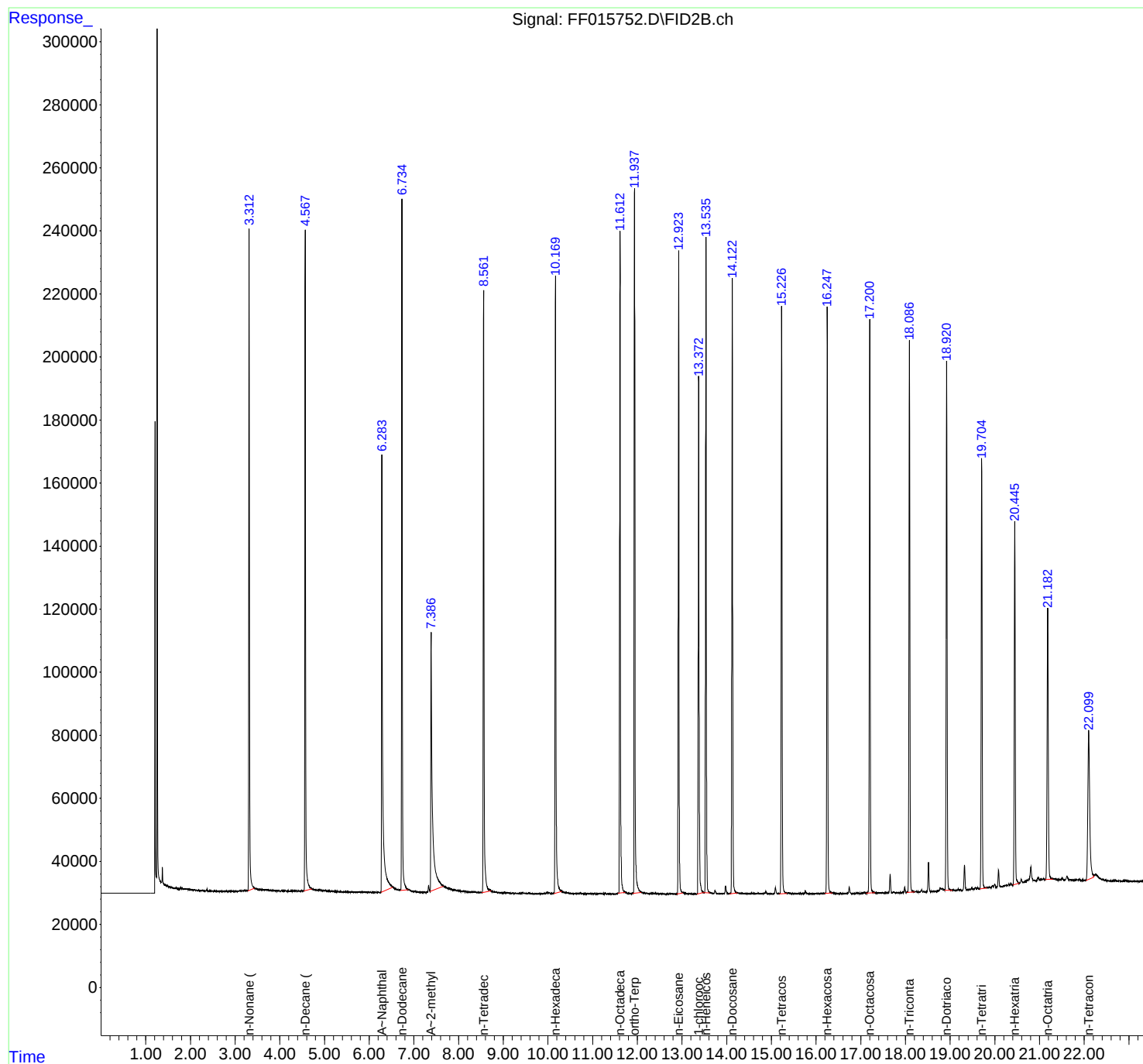
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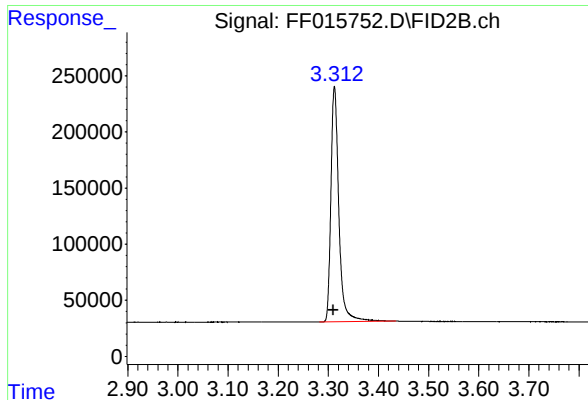
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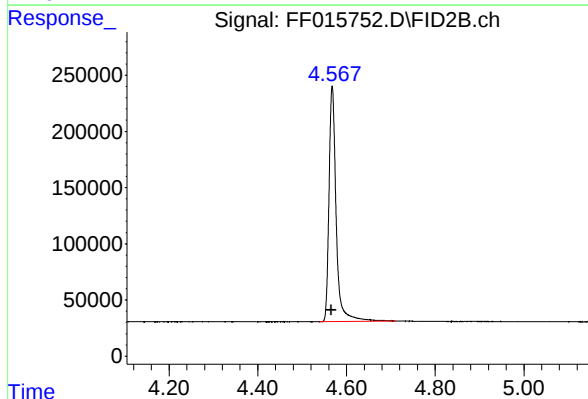
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 2309322
Conc: 18.23 ug/ml

Instrument : FID_F
ClientSampleId : 20 PPM ALIPHATIC HC STD

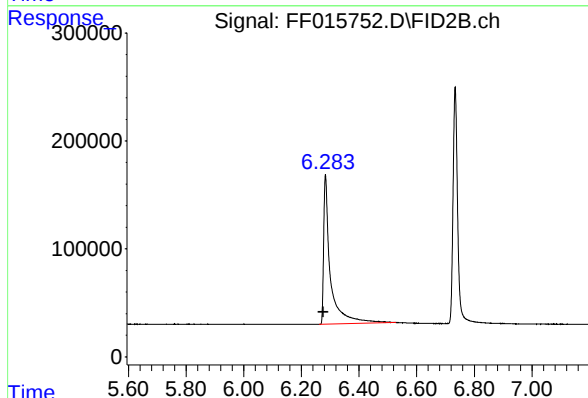
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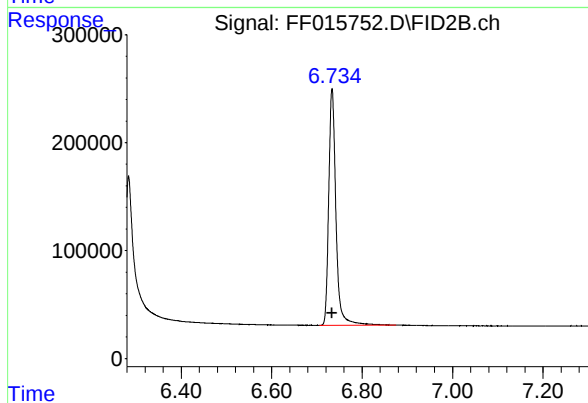
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.002 min
Response: 2349157
Conc: 18.29 ug/ml



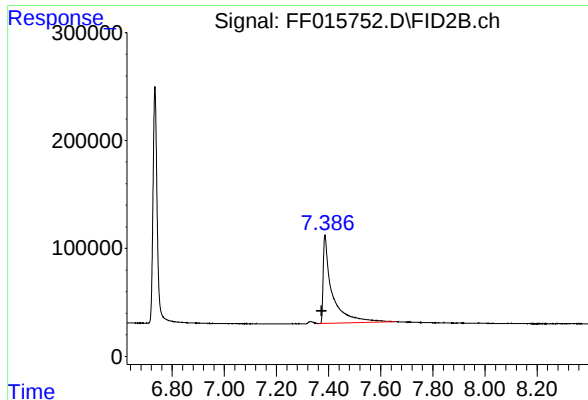
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.008 min
Response: 2274992
Conc: 17.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 2430143
Conc: 18.65 ug/ml



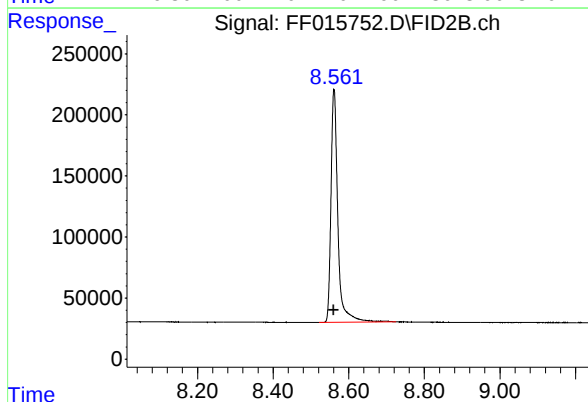
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: 0.013 min
Response: 1966251
Conc: 16.59 ug/ml

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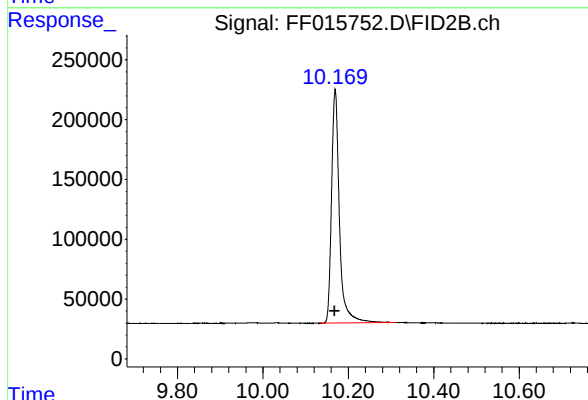
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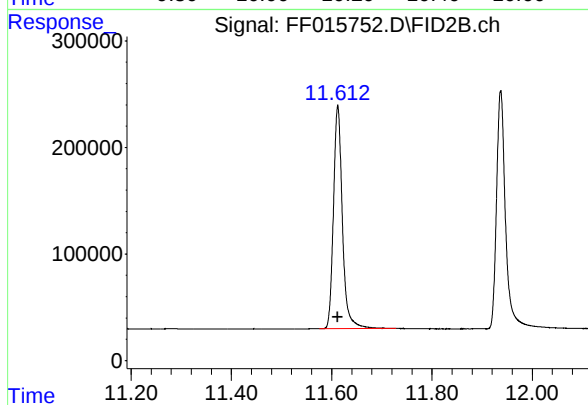
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 2410033
Conc: 18.61 ug/ml



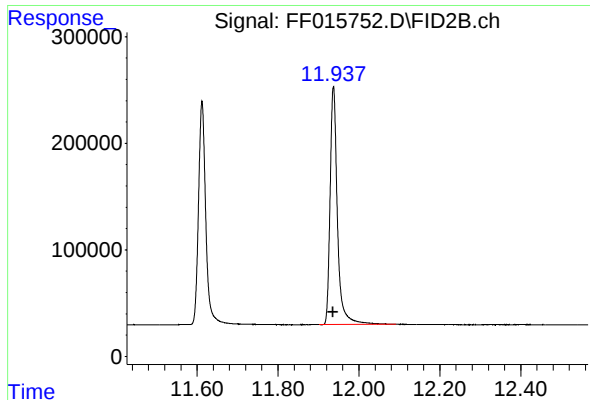
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 2501355
Conc: 18.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2591124
Conc: 18.82 ug/ml



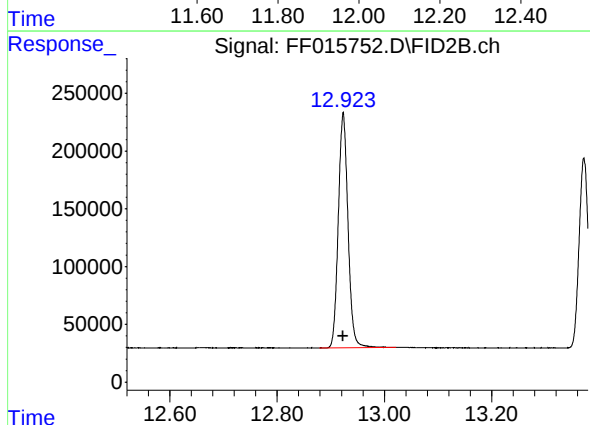
#9 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: 0.002 min
Response: 2815033
Conc: 18.48 ug/ml

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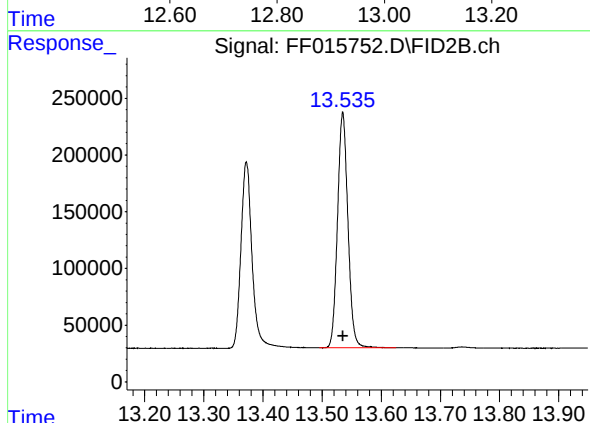
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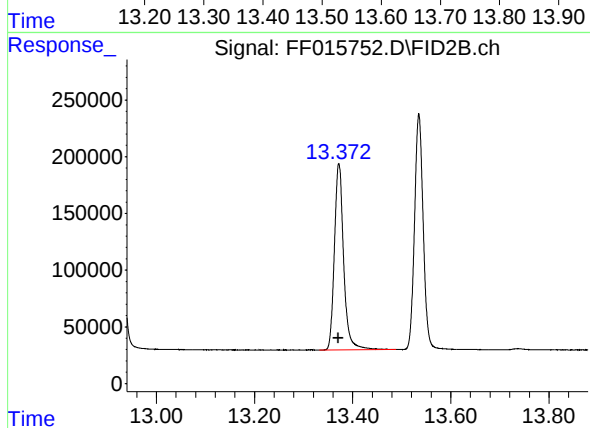
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 2552579
Conc: 18.94 ug/ml



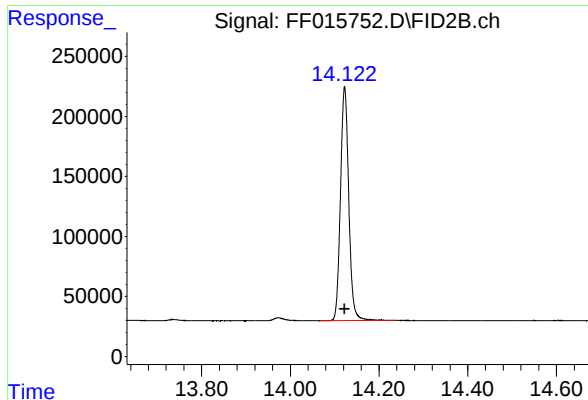
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2536166
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 2144922
Conc: 18.90 ug/ml



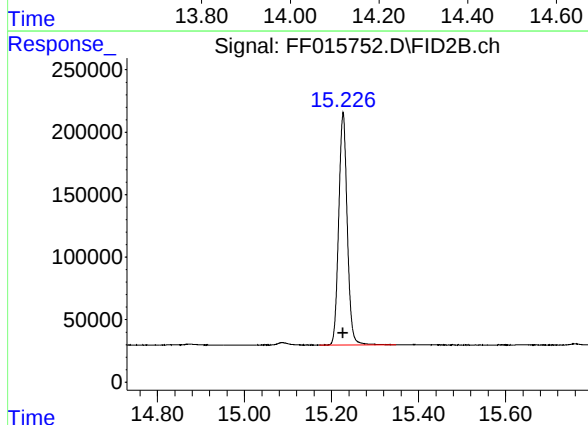
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 2529514
Conc: 18.90 ug/ml

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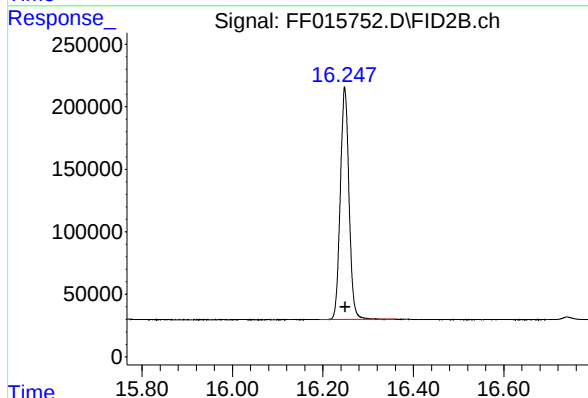
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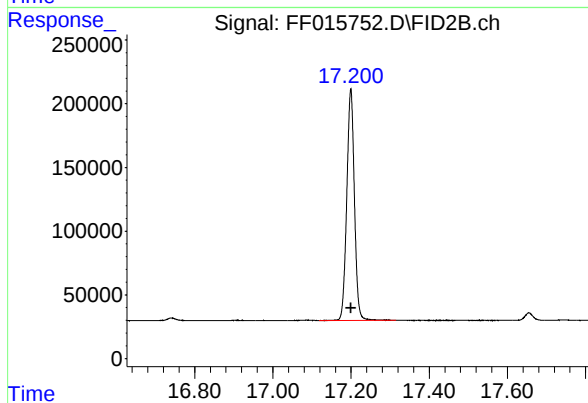
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2527219
Conc: 18.88 ug/ml



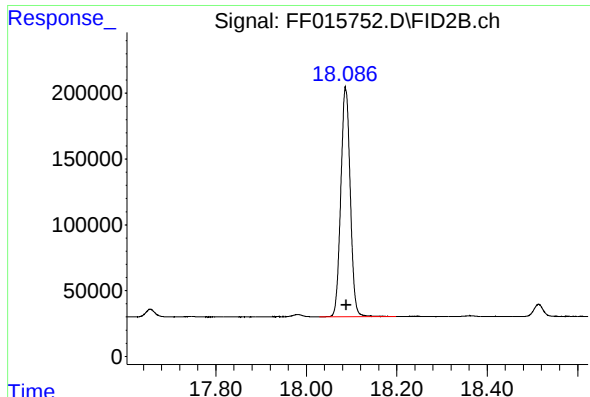
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.001 min
Response: 2486811
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 2463566
Conc: 18.86 ug/ml



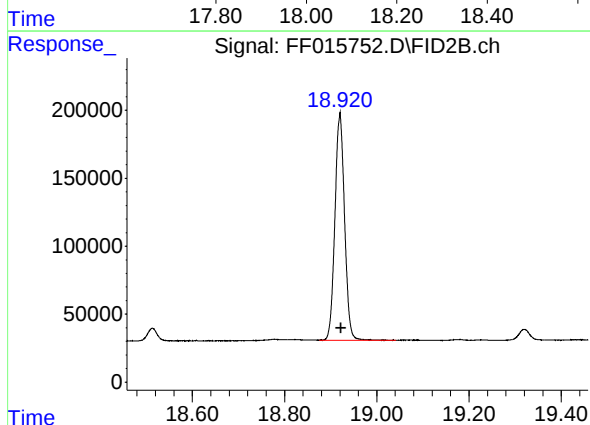
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.002 min
Response: 2521536
Conc: 18.70 ug/ml

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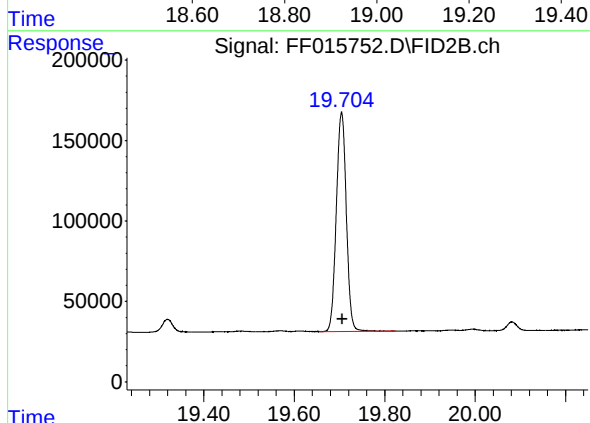
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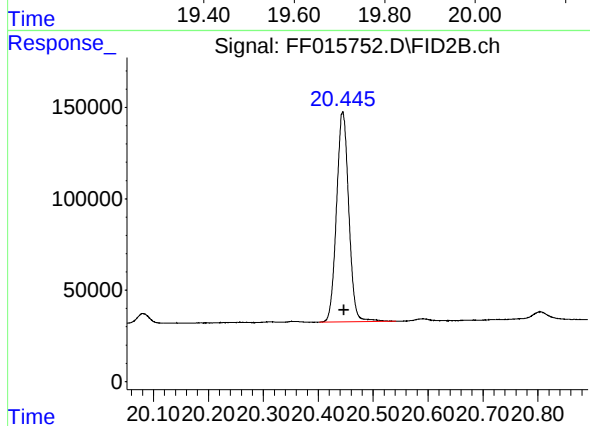
#18 n-Dotriacontane (C32)

R.T.: 18.920 min
Delta R.T.: -0.002 min
Response: 2421499
Conc: 18.57 ug/ml



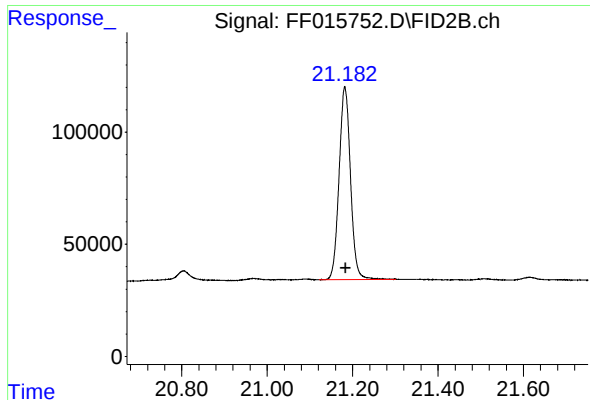
#19 n-Tetatriacontane (C34)

R.T.: 19.704 min
Delta R.T.: -0.002 min
Response: 2089002
Conc: 17.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.003 min
Response: 1778639
Conc: 17.92 ug/ml



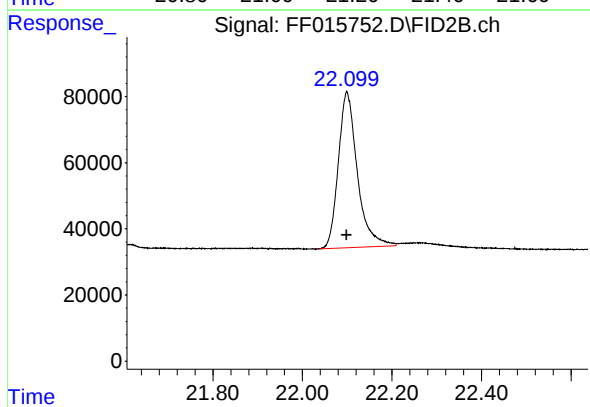
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.002 min
Response: 1594751
Conc: 18.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1388495
Conc: 17.30 ug/ml m