

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082522AL\
 Data File : FE037264.D
 Signal(s) : FID1B.ch
 Acq On : 25 Aug 2022 19:25
 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 08/26/2022
 Supervised By :Ankita Jodhani 08/26/2022

Integration File: autoint1.e
 Quant Time: Aug 26 04:11:28 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082322.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 25 01:38:38 2022
 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)	11.661	3395544	19.648 ug/ml
Spiked Amount 50.000		Recovery =	39.30%
12) S 1-chlorooctadecane (S...	13.083	2640213	19.324 ug/ml
Spiked Amount 50.000		Recovery =	38.65%
Target Compounds			
1) T n-Nonane (C9)	3.055	3109589	20.873 ug/ml
2) T n-Decane (C10)	4.311	3168884	21.155 ug/ml
3) T A~Naphthalene (C11.7)	6.028	3139048	21.684 ug/ml
4) T n-Dodecane (C12)	6.482	3225369	20.864 ug/ml
5) T A~2-methylnaphthalene...	7.121	3080737	22.269 ug/ml
6) T n-Tetradecane (C14)	9.901	3233050	20.555 ug/ml
7) T n-Hexadecane (C16)	9.901	3233050	20.555 ug/ml
8) T n-Octadecane (C18)	11.336	3228007	20.030 ug/ml
10) T n-Eicosane (C20)	12.640	3187198	19.357 ug/ml
11) T n-Heneicosane (C21)	13.247	3157697	19.090 ug/ml
13) T n-Docosane (C22)	13.830	3113704	18.744 ug/ml
14) T n-Tetracosane (C24)	14.927	2999906	18.173 ug/ml
15) T n-Hexacosane (C26)	15.943	2883495	17.685 ug/ml
16) T n-Octacosane (C28)	16.887	2770937	17.451 ug/ml
17) T n-Tricontane (C30)	17.771	2757625	17.755 ug/mlm
18) T n-Dotriacontane (C32)	18.600	2744117	18.397 ug/ml
19) T n-Tetratriacontane (C34)	19.378	2610986	19.432 ug/mlm
20) T n-Hexatriacontane (C36)	20.115	2703857	21.061 ug/ml
21) T n-Octatriacontane (C38)	20.815	2684985	22.366 ug/ml
22) T n-Tetracontane (C40)	21.601	2701410	22.367 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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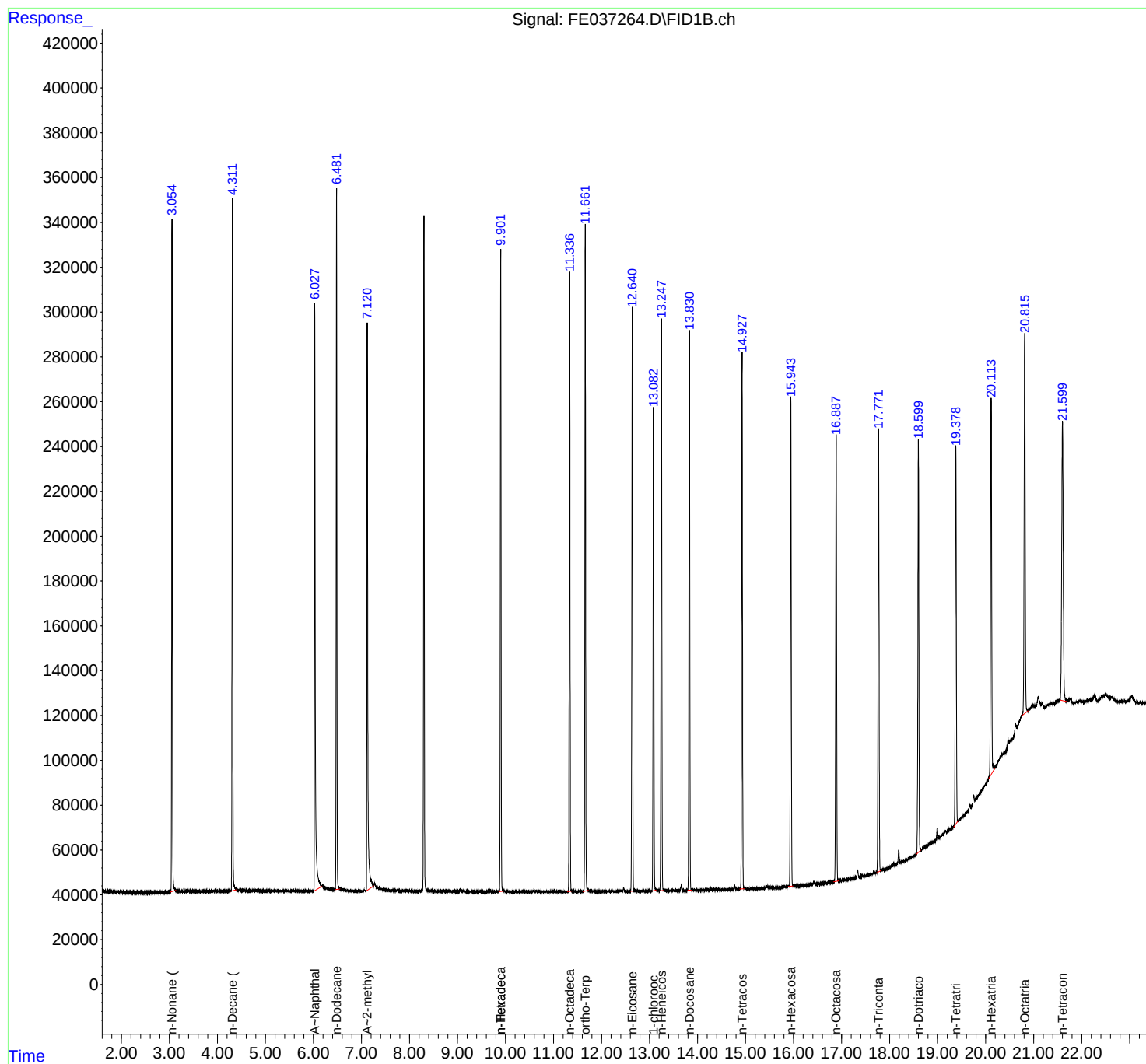
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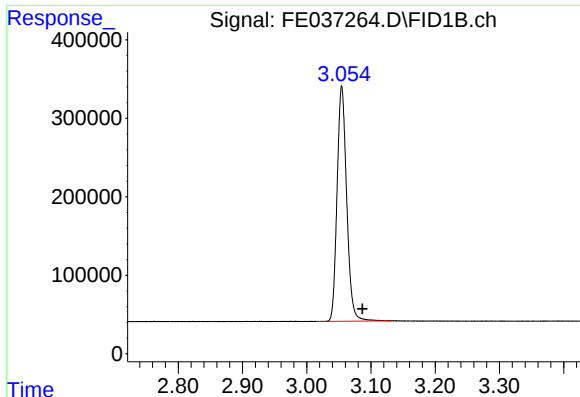
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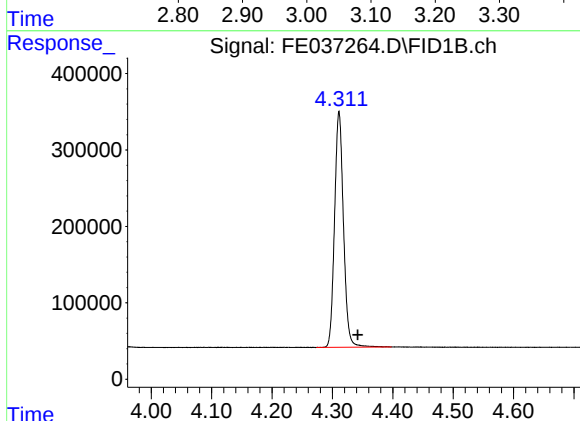
#1 n-Nonane (C9)

R.T.: 3.055 min
Delta R.T.: -0.032 min
Response: 3109589
Conc: 20.87 ug/ml

Instrument :
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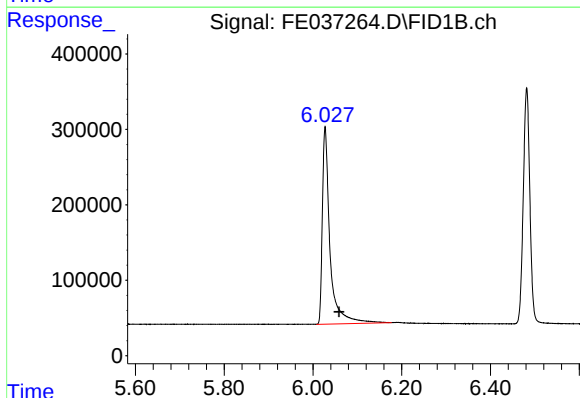
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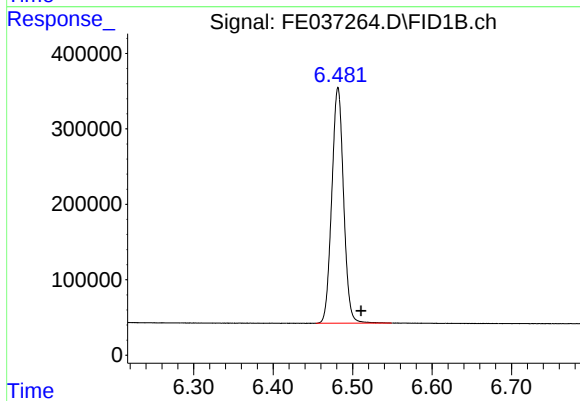
#2 n-Decane (C10)

R.T.: 4.311 min
Delta R.T.: -0.031 min
Response: 3168884
Conc: 21.16 ug/ml



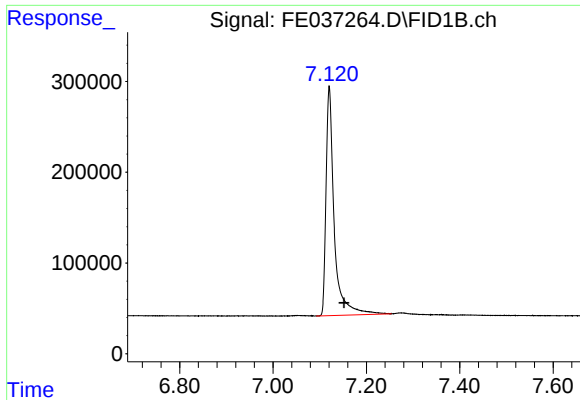
#3 A~Naphthalene (C11.7)

R.T.: 6.028 min
Delta R.T.: -0.031 min
Response: 3139048
Conc: 21.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.482 min
Delta R.T.: -0.029 min
Response: 3225369
Conc: 20.86 ug/ml



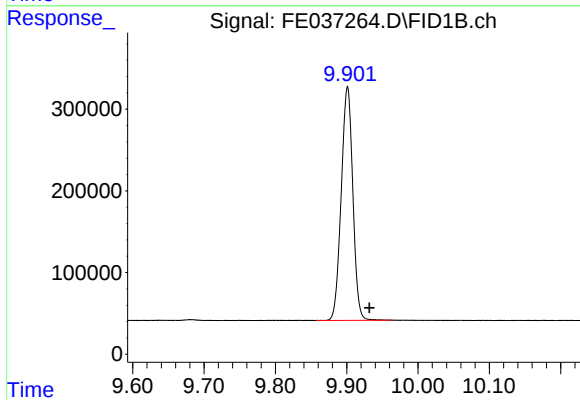
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.121 min
Delta R.T.: -0.031 min
Response: 3080737
Conc: 22.27 ug/ml

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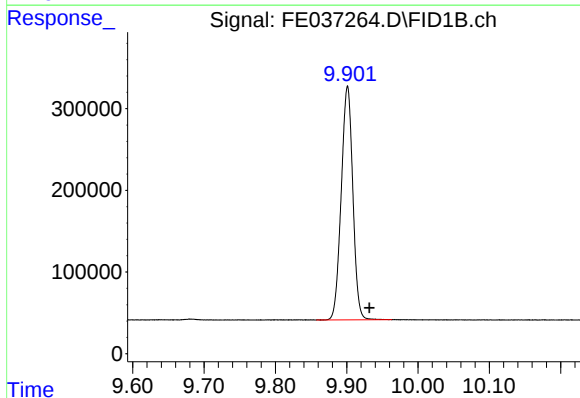
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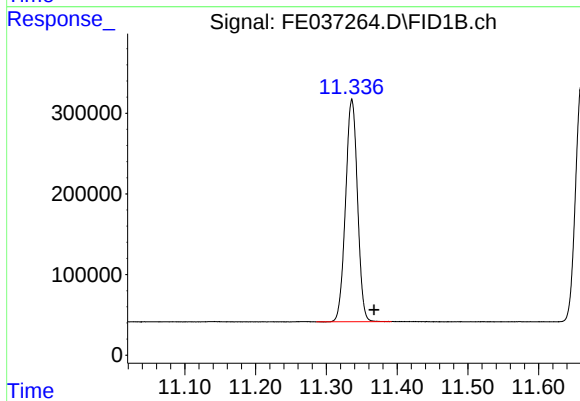
#6 n-Tetradecane (C14)

R.T.: 9.901 min
Delta R.T.: -0.031 min
Response: 3233050
Conc: 20.56 ug/ml



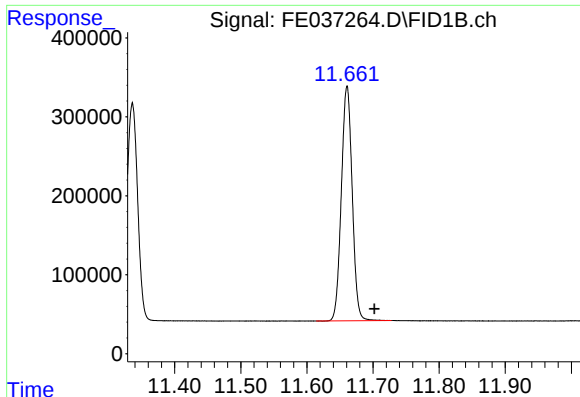
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: -0.030 min
Response: 3233050
Conc: 20.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.336 min
Delta R.T.: -0.031 min
Response: 3228007
Conc: 20.03 ug/ml



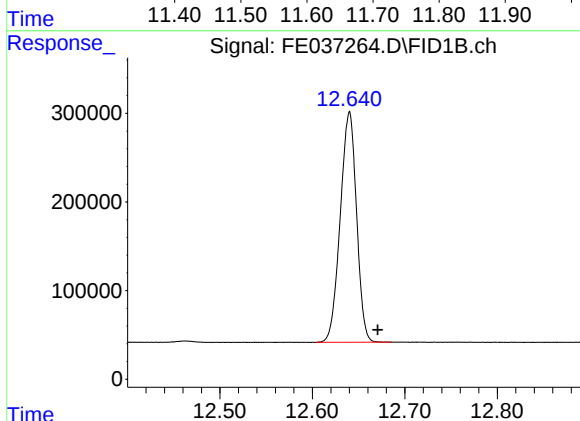
#9 ortho-Terphenyl (SURR)

R.T.: 11.661 min
Delta R.T.: -0.041 min
Response: 3395544
Conc: 19.65 ug/ml

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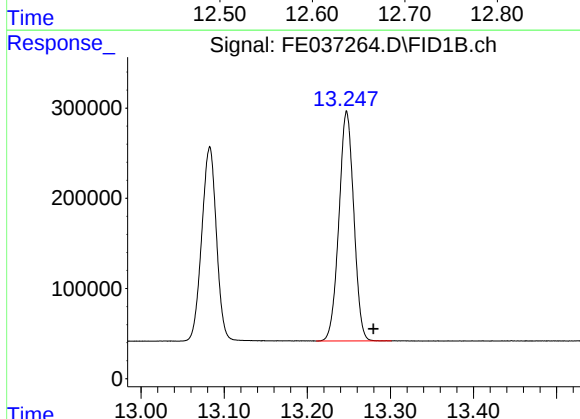
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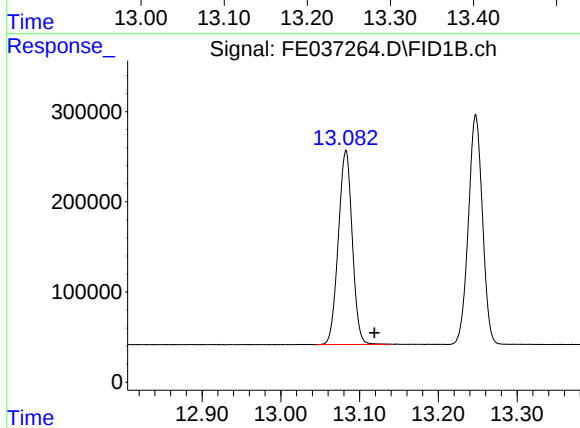
#10 n-Eicosane (C20)

R.T.: 12.640 min
Delta R.T.: -0.031 min
Response: 3187198
Conc: 19.36 ug/ml



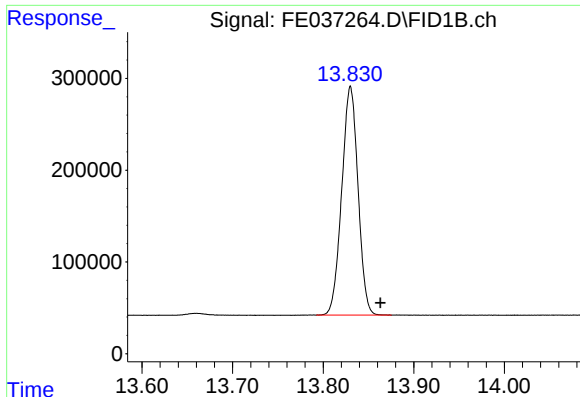
#11 n-Heneicosane (C21)

R.T.: 13.247 min
Delta R.T.: -0.032 min
Response: 3157697
Conc: 19.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.083 min
Delta R.T.: -0.036 min
Response: 2640213
Conc: 19.32 ug/ml



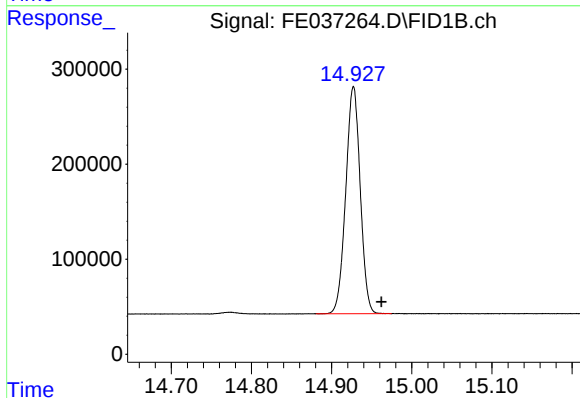
#13 n-Docosane (C22)

R.T.: 13.830 min
Delta R.T.: -0.033 min
Response: 3113704
Conc: 18.74 ug/ml

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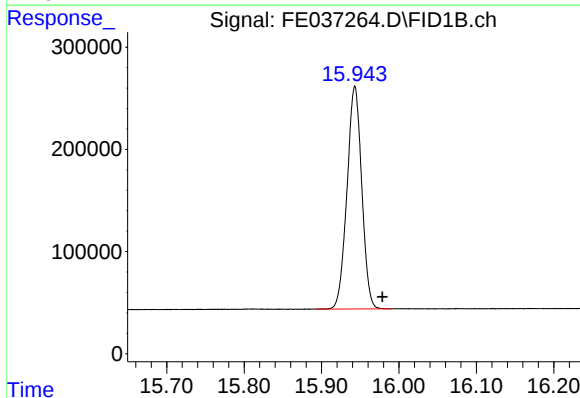
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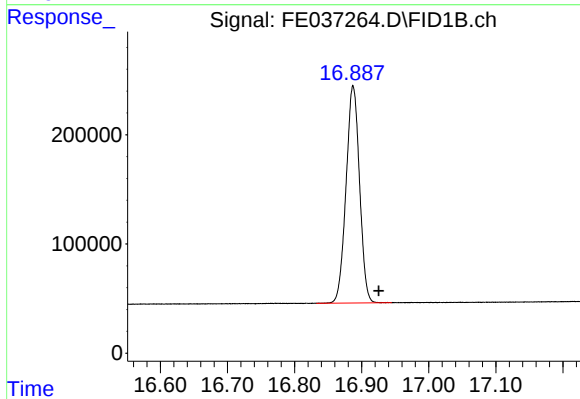
#14 n-Tetracosane (C24)

R.T.: 14.927 min
Delta R.T.: -0.035 min
Response: 2999906
Conc: 18.17 ug/ml



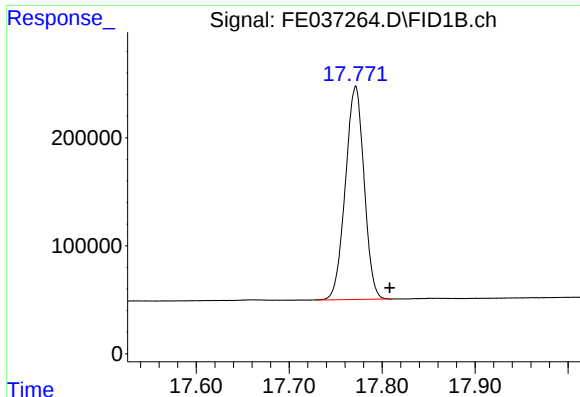
#15 n-Hexacosane (C26)

R.T.: 15.943 min
Delta R.T.: -0.036 min
Response: 2883495
Conc: 17.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.887 min
Delta R.T.: -0.038 min
Response: 2770937
Conc: 17.45 ug/ml



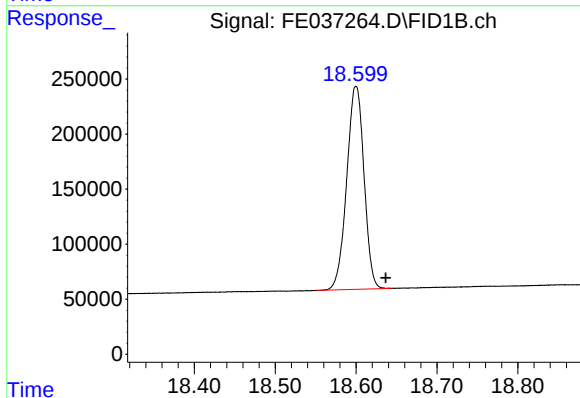
#17 n-Tricontane (C30)

R.T.: 17.771 min
Delta R.T.: -0.037 min
Response: 2757625
Conc: 17.76 ug/ml

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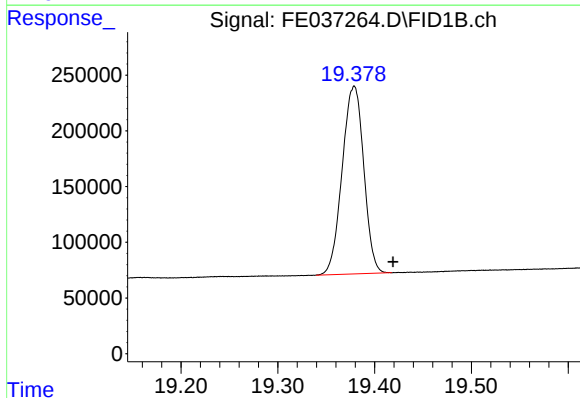
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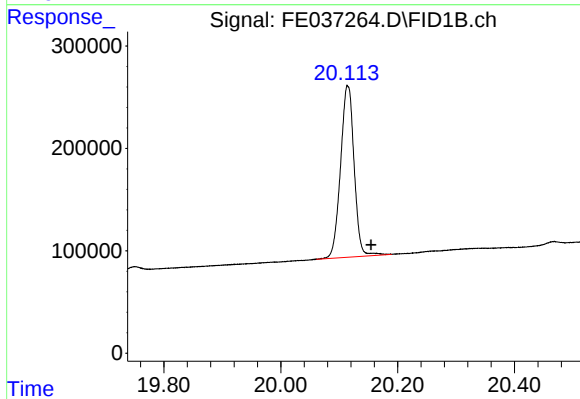
#18 n-Dotriacontane (C32)

R.T.: 18.600 min
Delta R.T.: -0.037 min
Response: 2744117
Conc: 18.40 ug/ml



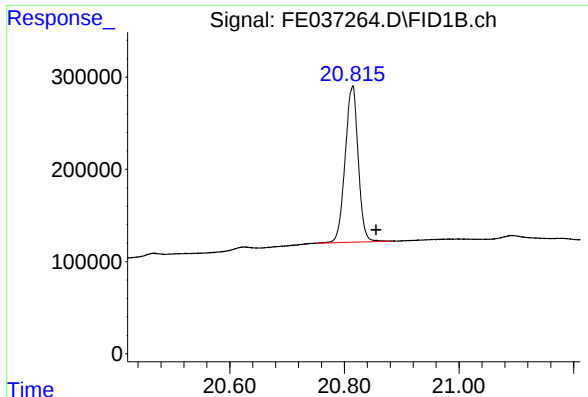
#19 n-Tetratriacontane (C34)

R.T.: 19.378 min
Delta R.T.: -0.040 min
Response: 2610986
Conc: 19.43 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.115 min
Delta R.T.: -0.040 min
Response: 2703857
Conc: 21.06 ug/ml



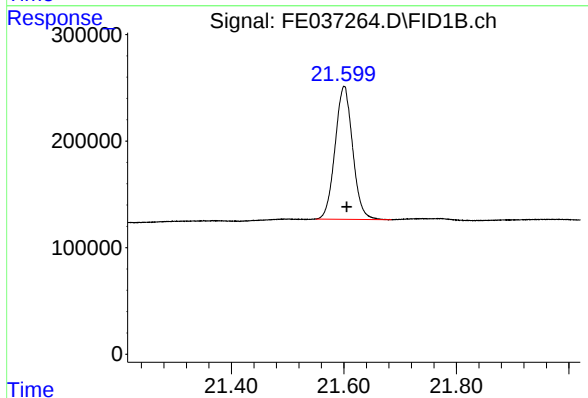
#21 n-Octatriacontane (C38)

R.T.: 20.815 min
Delta R.T.: -0.040 min
Response: 2684985
Conc: 22.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.601 min
Delta R.T.: -0.004 min
Response: 2701410
Conc: 22.37 ug/ml