

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122823AL\
 Data File : FE046001.D
 Signal(s) : FID1B.ch
 Acq On : 28 Dec 2023 11:59
 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 12/29/2023
 Supervised By :Ankita Jodhani 12/29/2023

Integration File: autoint1.e
 Quant Time: Dec 28 23:50:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.837	4121416	19.709 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.281	3023233	19.214 ug/ml
Spiked Amount 50.000		Recovery =	38.43%
Target Compounds			
1) T n-Nonane (C9)	3.222	3369598	21.249 ug/ml
2) T n-Decane (C10)	4.473	3484468	21.760 ug/ml
3) T A~Naphthalene (C11.7)	6.175	3745636	21.503 ug/ml
4) T n-Dodecane (C12)	6.641	3530170	21.855 ug/ml
5) T A~2-methylnaphthalene...	7.271	3627181	21.359 ug/ml
6) T n-Tetradecane (C14)	8.468	3506907	21.860 ug/ml
7) T n-Hexadecane (C16)	10.078	3565463	21.531 ug/ml
8) T n-Octadecane (C18)	11.524	3553022	20.723 ug/ml
10) T n-Eicosane (C20)	12.836	3402157	19.663 ug/ml
11) T n-Heneicosane (C21)	13.449	3322973	19.316 ug/ml
13) T n-Docosane (C22)	14.037	3273393	18.985 ug/ml
14) T n-Tetracosane (C24)	15.143	3179700	18.213 ug/ml
15) T n-Hexacosane (C26)	16.167	3113089	17.876 ug/ml
16) T n-Octacosane (C28)	17.119	3114091	18.018 ug/ml
17) T n-Tricontane (C30)	18.011	3262750	18.650 ug/ml
18) T n-Dotriacontane (C32)	18.847	3319734	18.197 ug/ml
19) T n-Tetratriacontane (C34)	19.636	3253490	19.608 ug/ml
20) T n-Hexatriacontane (C36)	20.378	3259285	20.533 ug/ml
21) T n-Octatriacontane (C38)	21.111	3359688	21.424 ug/mlm
22) T n-Tetracontane (C40)	22.012	3490742	24.563 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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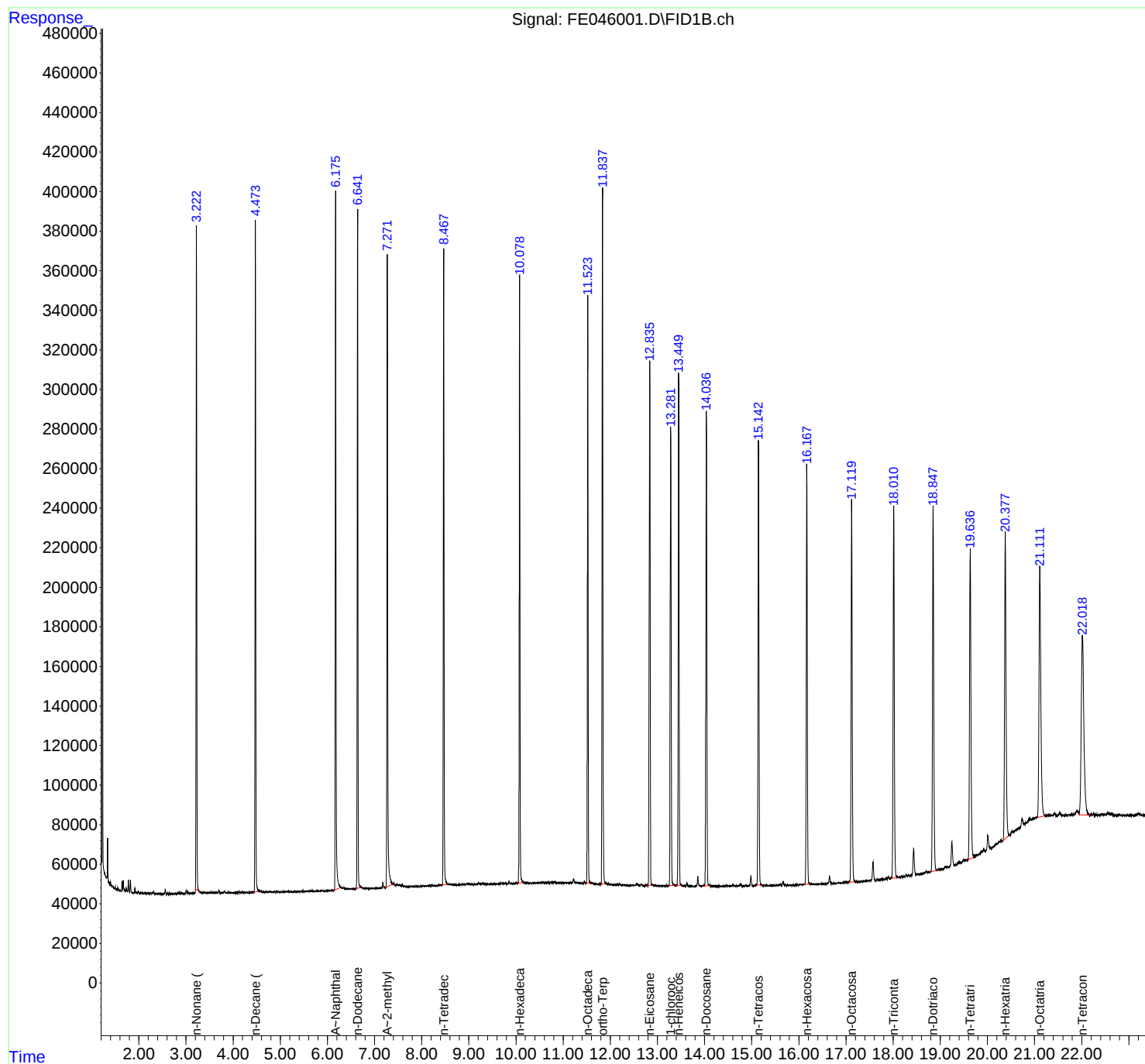
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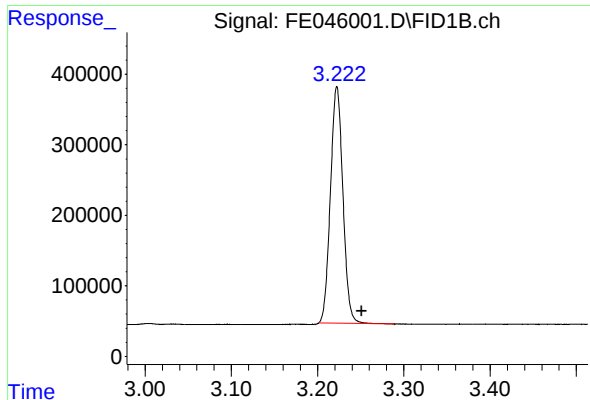
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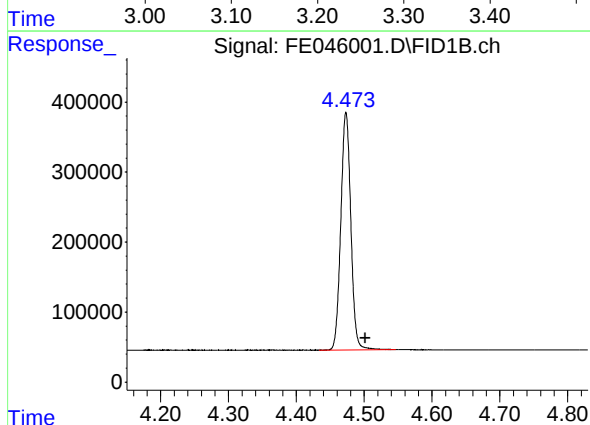
#1 n-Nonane (C9)

R.T.: 3.222 min
Delta R.T.: -0.029 min
Response: 3369598
Conc: 21.25 ug/ml

Instrument :
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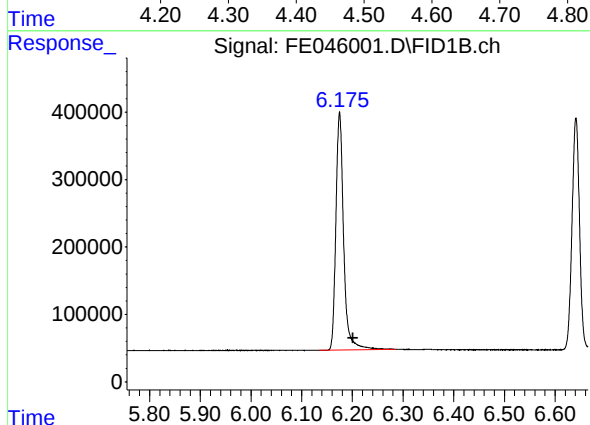
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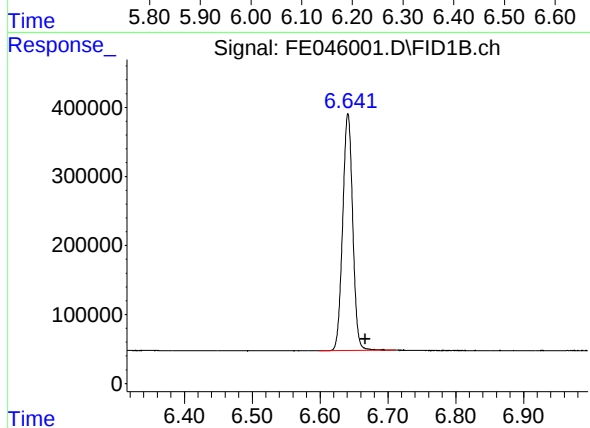
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.028 min
Response: 3484468
Conc: 21.76 ug/ml



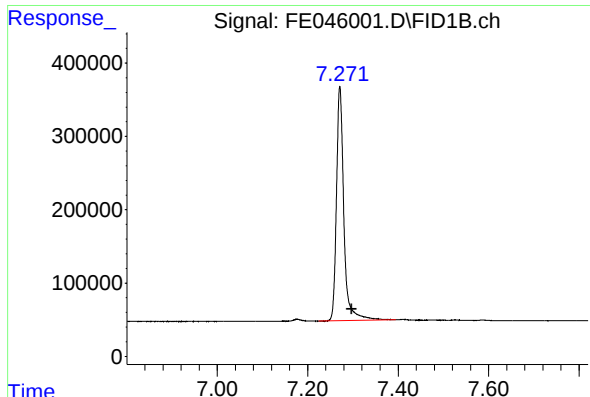
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: -0.027 min
Response: 3745636
Conc: 21.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.026 min
Response: 3530170
Conc: 21.85 ug/ml



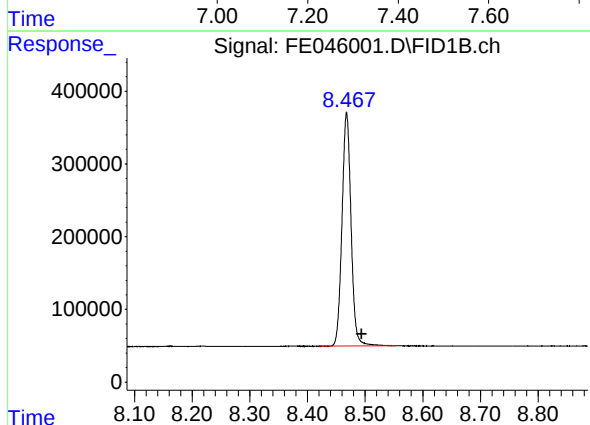
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.271 min
Delta R.T.: -0.026 min
Response: 3627181
Conc: 21.36 ug/ml

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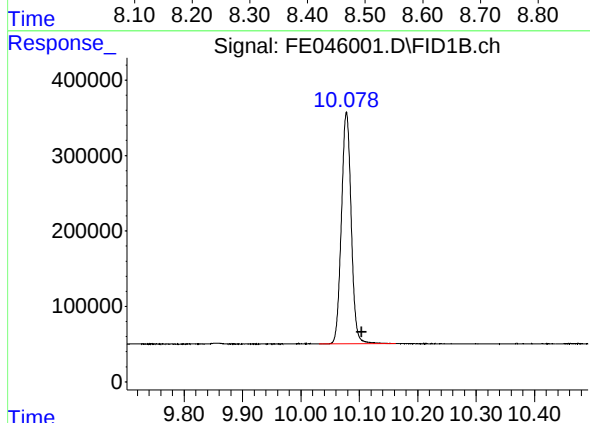
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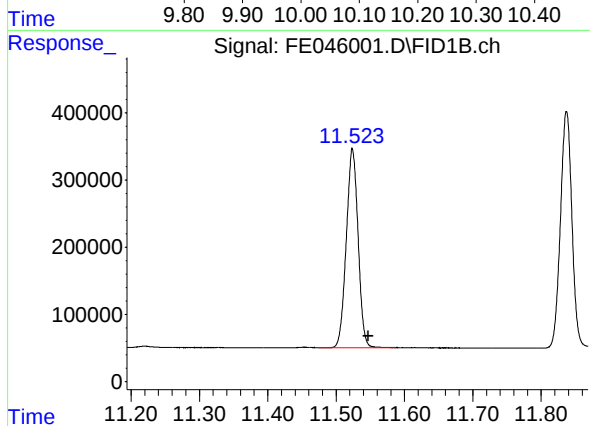
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.026 min
Response: 3506907
Conc: 21.86 ug/ml



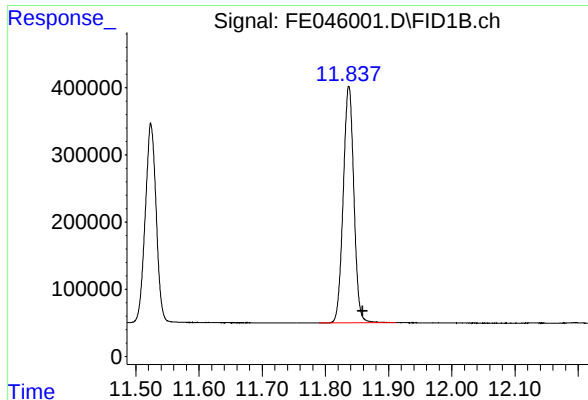
#7 n-Hexadecane (C16)

R.T.: 10.078 min
Delta R.T.: -0.026 min
Response: 3565463
Conc: 21.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.524 min
Delta R.T.: -0.023 min
Response: 3553022
Conc: 20.72 ug/ml



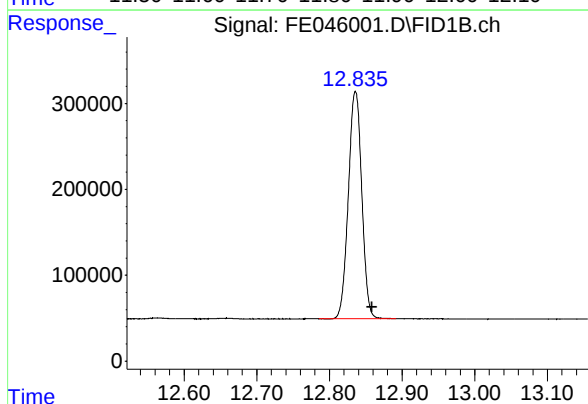
#9 ortho-Terphenyl (SURR)

R.T.: 11.837 min
Delta R.T.: -0.022 min
Response: 4121416
Conc: 19.71 ug/ml

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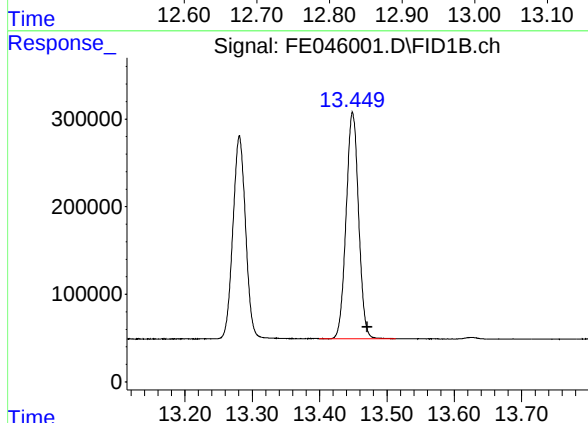
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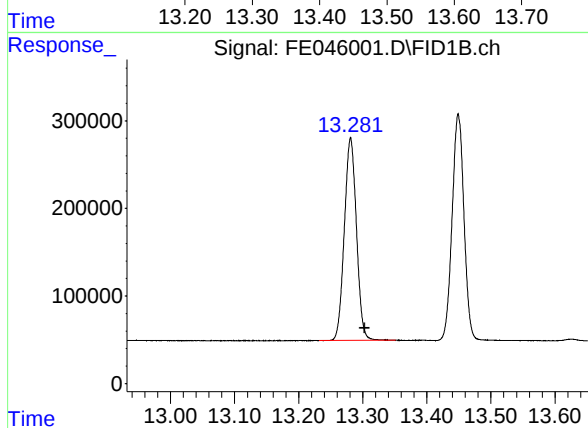
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.022 min
Response: 3402157
Conc: 19.66 ug/ml



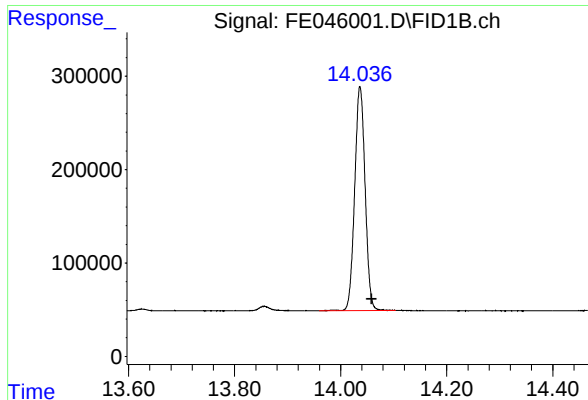
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.022 min
Response: 3322973
Conc: 19.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.022 min
Response: 3023233
Conc: 19.21 ug/ml



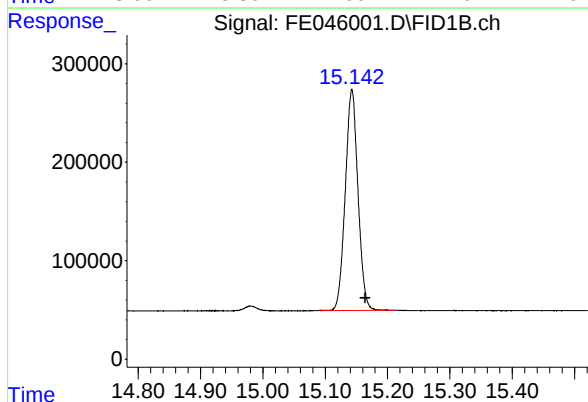
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.022 min
Response: 3273393
Conc: 18.98 ug/ml

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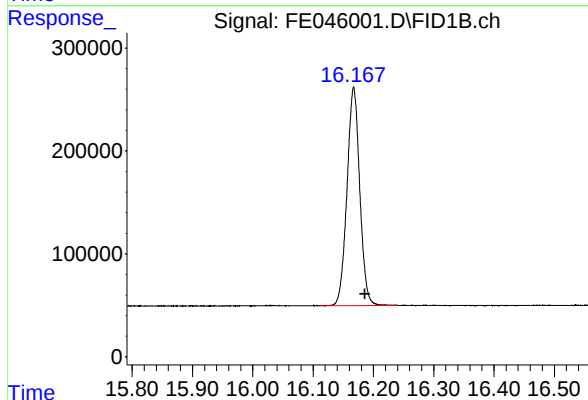
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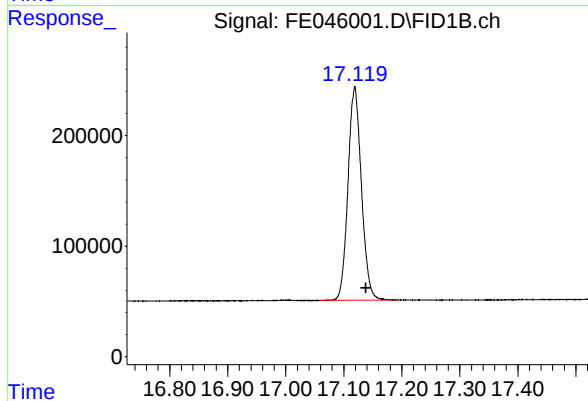
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.021 min
Response: 3179700
Conc: 18.21 ug/ml



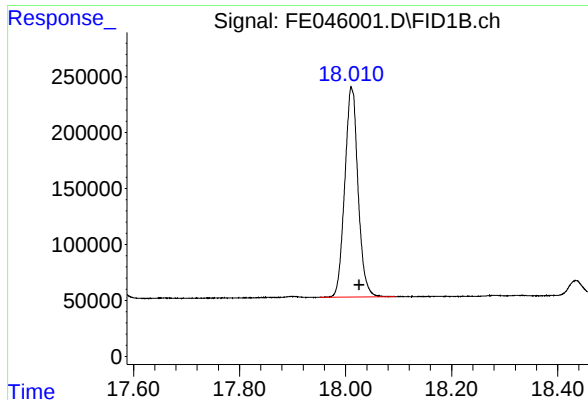
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.019 min
Response: 3113089
Conc: 17.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.019 min
Response: 3114091
Conc: 18.02 ug/ml



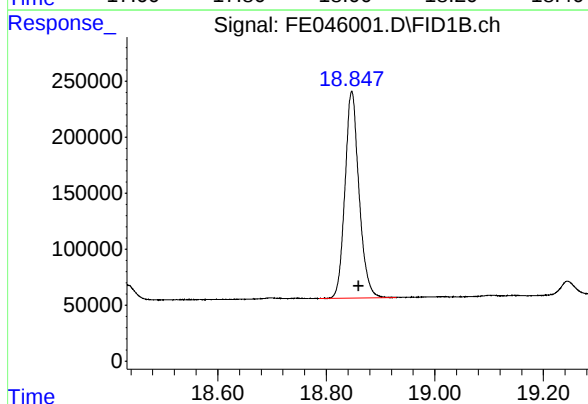
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.015 min
Response: 3262750
Conc: 18.65 ug/ml

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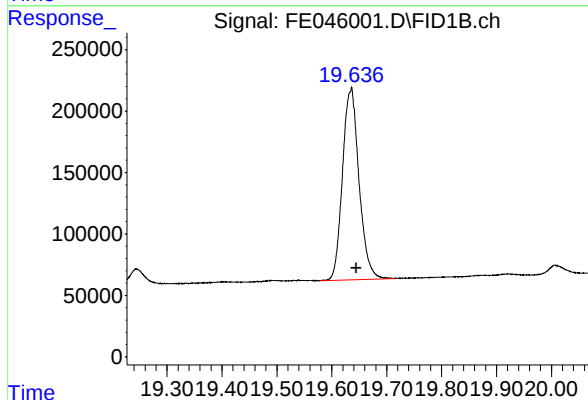
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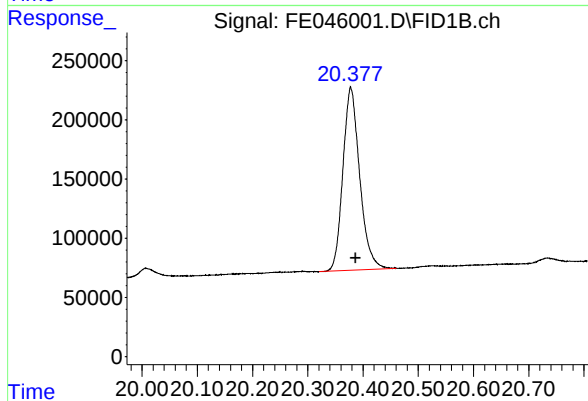
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.013 min
Response: 3319734
Conc: 18.20 ug/ml



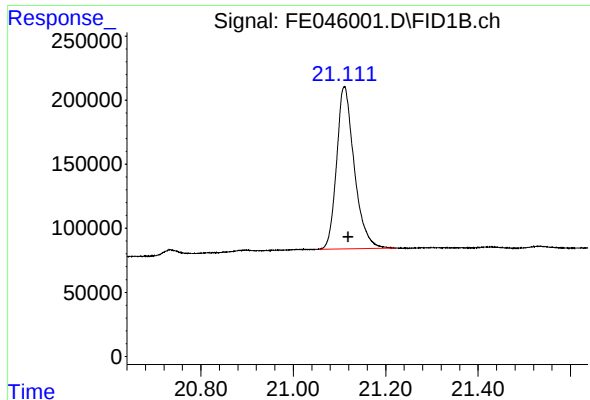
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: -0.009 min
Response: 3253490
Conc: 19.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.008 min
Response: 3259285
Conc: 20.53 ug/ml



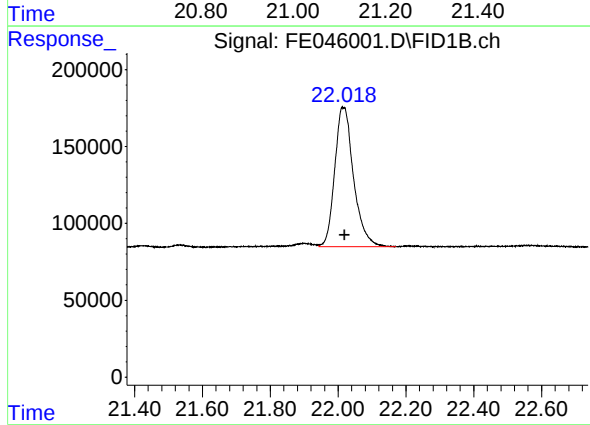
#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: -0.008 min
Response: 3359688
Conc: 21.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.012 min
Delta R.T.: -0.007 min
Response: 3490742
Conc: 24.56 ug/ml