

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122823AL\
 Data File : FE046016.D
 Signal(s) : FID1B.ch
 Acq On : 28 Dec 2023 22:04
 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 12/29/2023
 Supervised By :Ankita Jodhani 12/29/2023

Integration File: autoint1.e
 Quant Time: Dec 29 01:19:04 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)	11.842	4065633	19.442 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
12) S 1-chlorooctadecane (S...	13.286	2995554	19.038 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
Target Compounds			
1) T n-Nonane (C9)	3.225	3400260	21.442 ug/ml
2) T n-Decane (C10)	4.476	3483648	21.755 ug/ml
3) T A~Naphthalene (C11.7)	6.178	3762411	21.599 ug/ml
4) T n-Dodecane (C12)	6.644	3520482	21.795 ug/ml
5) T A~2-methylnaphthalene...	7.275	3635796	21.410 ug/ml
6) T n-Tetradecane (C14)	8.471	3499459	21.814 ug/ml
7) T n-Hexadecane (C16)	10.082	3551681	21.448 ug/ml
8) T n-Octadecane (C18)	11.528	3530728	20.593 ug/ml
10) T n-Eicosane (C20)	12.840	3376556	19.515 ug/ml
11) T n-Heneicosane (C21)	13.454	3287441	19.110 ug/ml
13) T n-Docosane (C22)	14.042	3250761	18.854 ug/ml
14) T n-Tetracosane (C24)	15.148	3199153	18.325 ug/ml
15) T n-Hexacosane (C26)	16.172	3128626	17.965 ug/ml
16) T n-Octacosane (C28)	17.125	3119751	18.051 ug/ml
17) T n-Tricontane (C30)	18.017	3217189	18.389 ug/mlm
18) T n-Dotriacontane (C32)	18.855	3238663	17.752 ug/mlm
19) T n-Tetratriacontane (C34)	19.641	3268245	19.696 ug/ml
20) T n-Hexatriacontane (C36)	20.387	3224672	20.315 ug/mlm
21) T n-Octatriacontane (C38)	21.121	3299568	21.041 ug/mlm
22) T n-Tetracontane (C40)	22.025	3647269	25.664 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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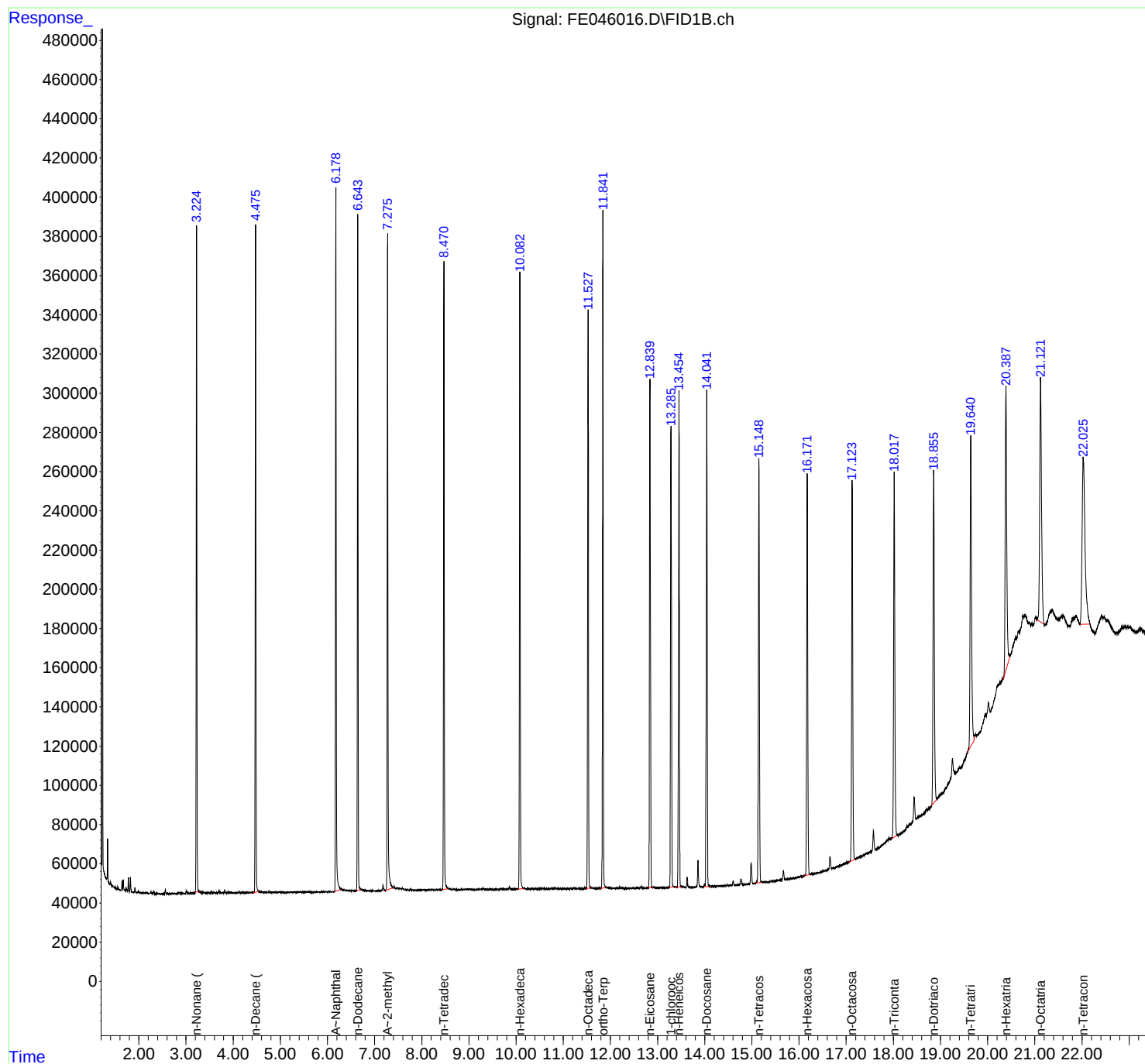
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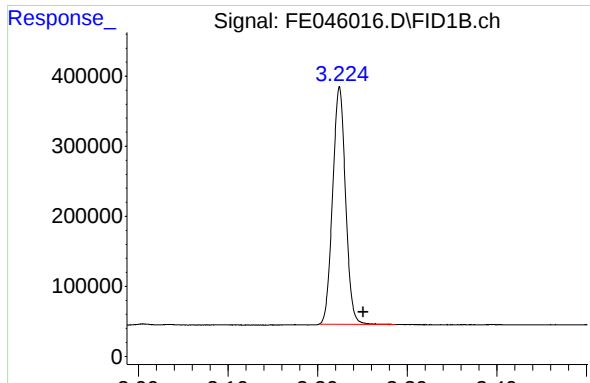
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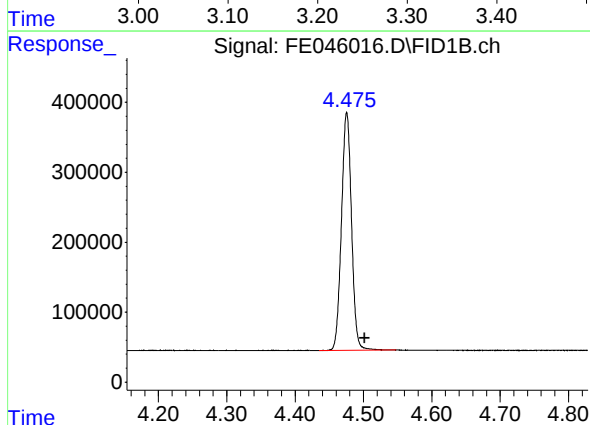
#1 n-Nonane (C9)

R.T.: 3.225 min
Delta R.T.: -0.026 min
Response: 3400260
Conc: 21.44 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

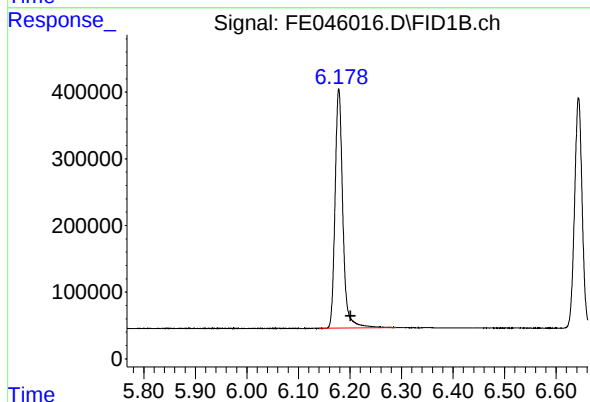
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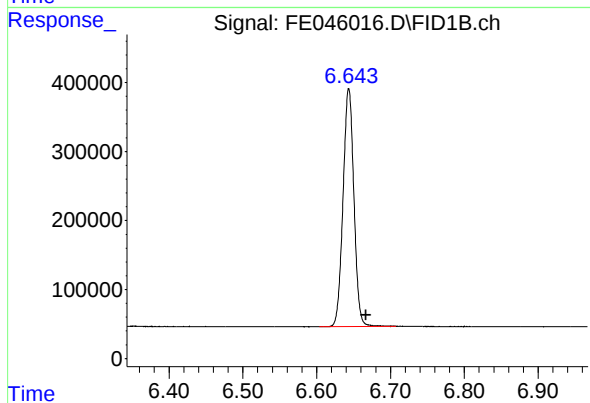
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.026 min
Response: 3483648
Conc: 21.75 ug/ml



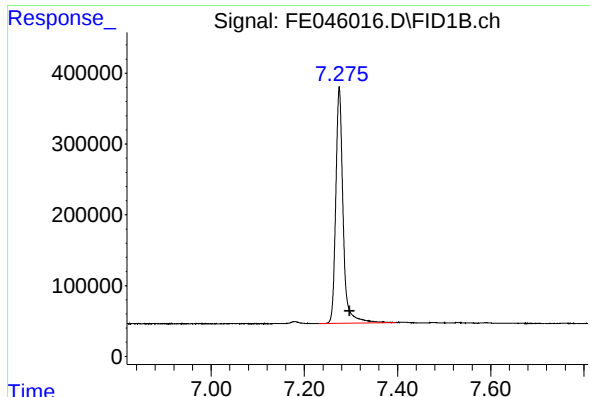
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.023 min
Response: 3762411
Conc: 21.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.644 min
Delta R.T.: -0.024 min
Response: 3520482
Conc: 21.79 ug/ml



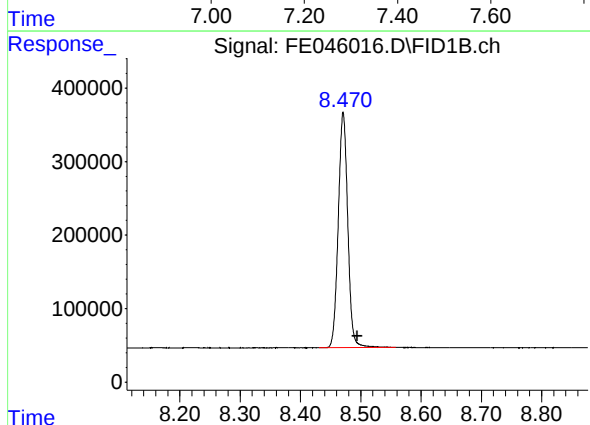
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.022 min
Response: 3635796
Conc: 21.41 ug/ml

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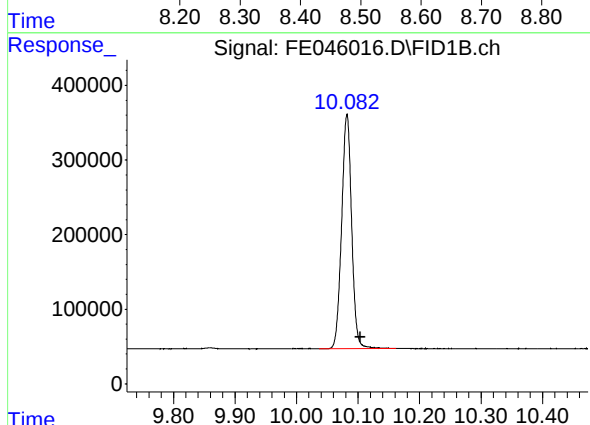
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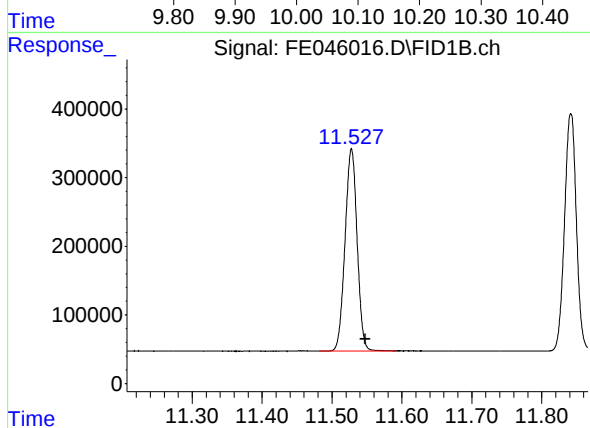
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.023 min
Response: 3499459
Conc: 21.81 ug/ml



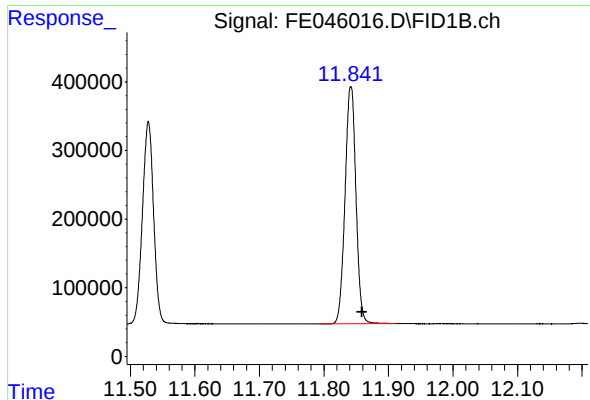
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.022 min
Response: 3551681
Conc: 21.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.019 min
Response: 3530728
Conc: 20.59 ug/ml



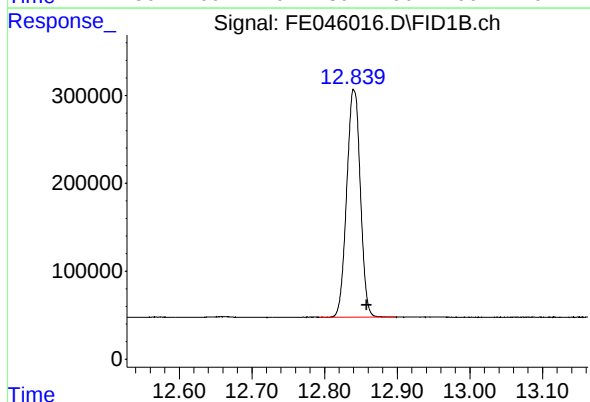
#9 ortho-Terphenyl (SURR)

R.T.: 11.842 min
Delta R.T.: -0.017 min
Response: 4065633
Conc: 19.44 ug/ml

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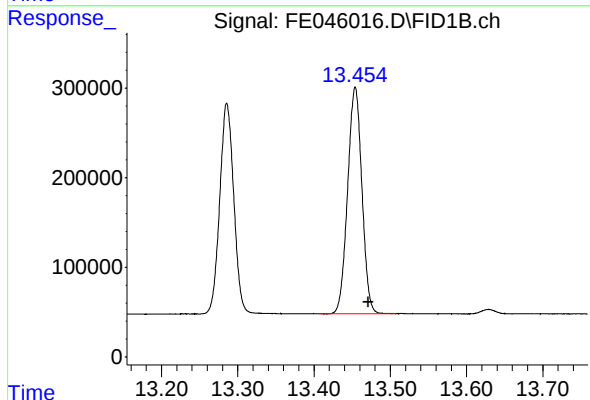
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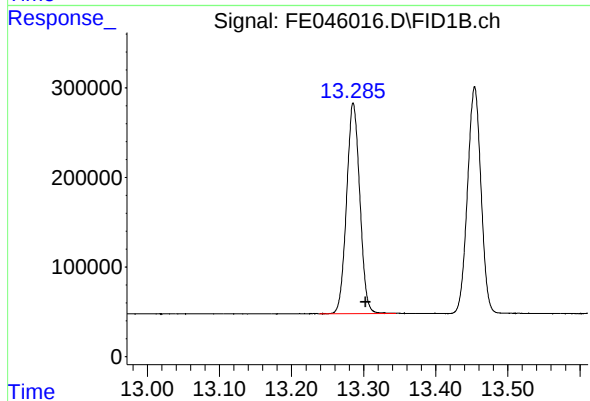
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.018 min
Response: 3376556
Conc: 19.52 ug/ml



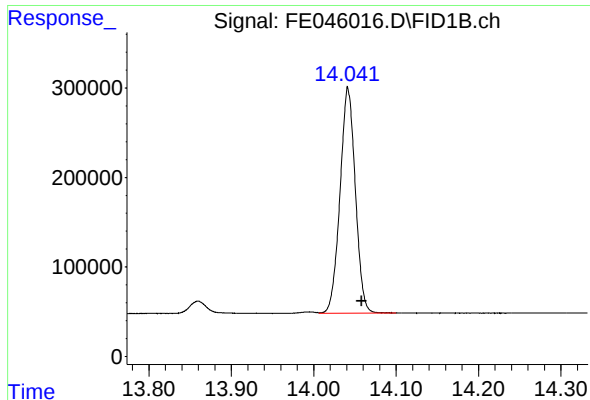
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.017 min
Response: 3287441
Conc: 19.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.017 min
Response: 2995554
Conc: 19.04 ug/ml



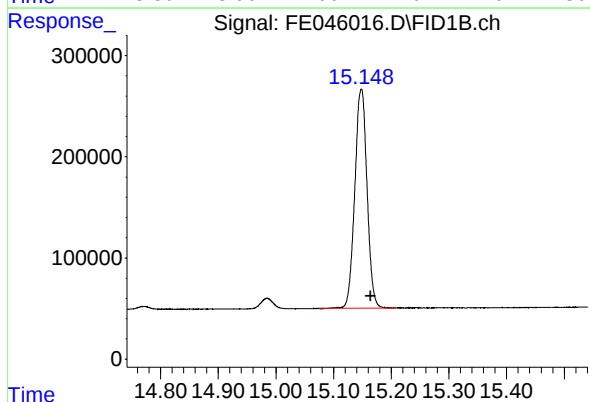
#13 n-Docosane (C22)

R.T.: 14.042 min
Delta R.T.: -0.017 min
Response: 3250761
Conc: 18.85 ug/ml

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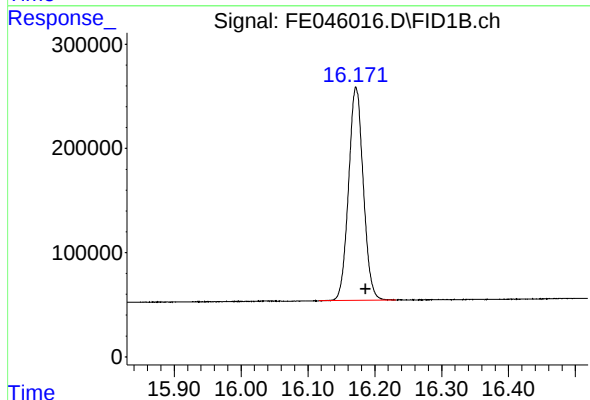
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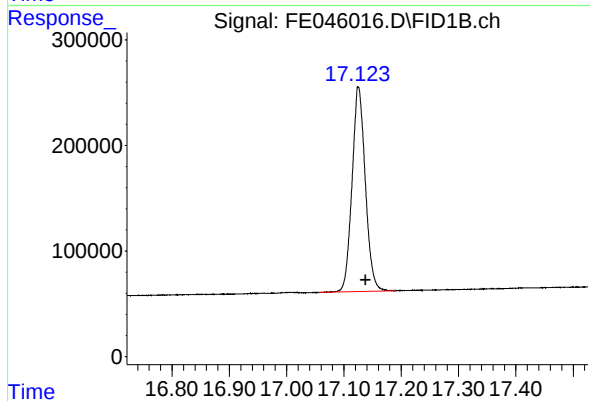
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 3199153
Conc: 18.32 ug/ml



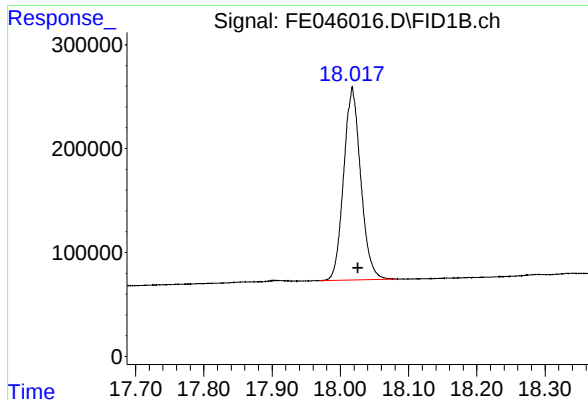
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.014 min
Response: 3128626
Conc: 17.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.125 min
Delta R.T.: -0.013 min
Response: 3119751
Conc: 18.05 ug/ml



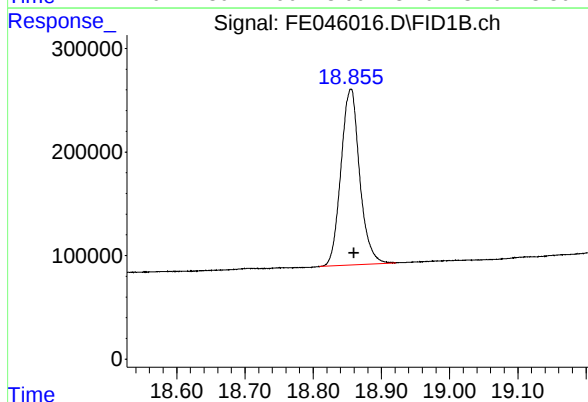
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.009 min
Response: 3217189
Conc: 18.39 ug/ml

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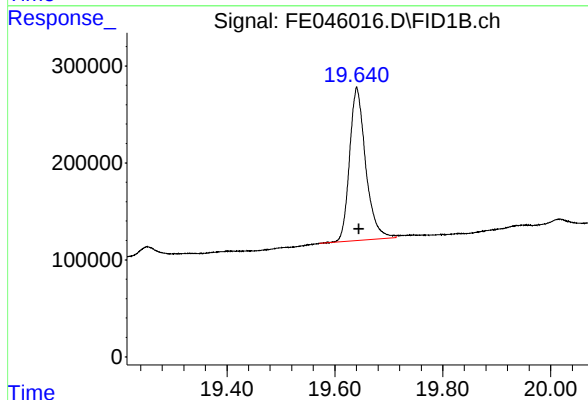
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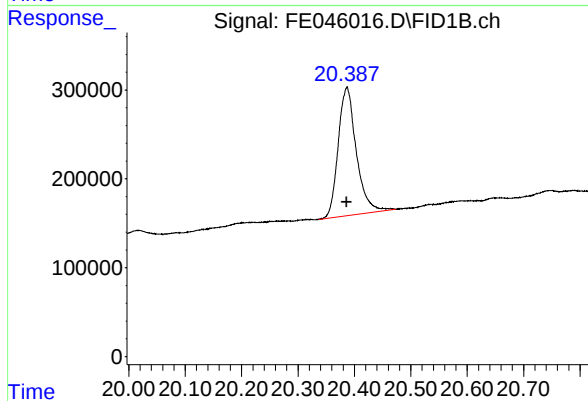
#18 n-Dotriacontane (C32)

R.T.: 18.855 min
Delta R.T.: -0.005 min
Response: 3238663
Conc: 17.75 ug/ml m



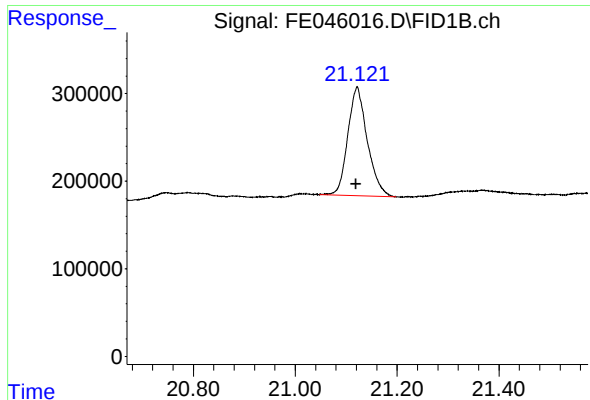
#19 n-Tetratriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.004 min
Response: 3268245
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: 0.000 min
Response: 3224672
Conc: 20.31 ug/ml m



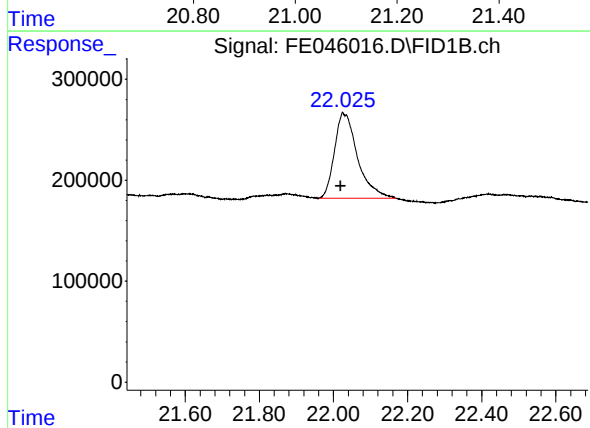
#21 n-Octatriacontane (C38)

R.T.: 21.121 min
Delta R.T.: 0.002 min
Response: 3299568
Conc: 21.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.025 min
Delta R.T.: 0.006 min
Response: 3647269
Conc: 25.66 ug/ml m