

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032323AL\
 Data File : FE040984.D
 Signal(s) : FID1B.ch
 Acq On : 23 Mar 2023 21:07
 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 03/24/2023
 Supervised By :Ankita Jodhani 03/24/2023

Integration File: autoint1.e
 Quant Time: Mar 24 02:55:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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)	11.872	3557170	19.041 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
12) S 1-chlorooctadecane (S...	13.311	2749495	18.577 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
Target Compounds			
1) T n-Nonane (C9)	3.265	3223699	20.950 ug/ml
2) T n-Decane (C10)	4.513	3286792	21.847 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3552885	21.420 ug/ml
4) T n-Dodecane (C12)	6.679	3313270	21.643 ug/ml
5) T A~2-methylnaphthalene...	7.313	3264281	21.569 ug/ml
6) T n-Tetradecane (C14)	8.506	3313094	21.436 ug/ml
7) T n-Hexadecane (C16)	10.113	3388493	20.979 ug/ml
8) T n-Octadecane (C18)	11.556	3410008	20.083 ug/ml
10) T n-Eicosane (C20)	12.866	3268744	19.322 ug/ml
11) T n-Heneicosane (C21)	13.478	3220430	18.793 ug/ml
13) T n-Docosane (C22)	14.065	3163494	18.466 ug/ml
14) T n-Tetracosane (C24)	15.169	3120884	18.103 ug/ml
15) T n-Hexacosane (C26)	16.192	3048887	17.939 ug/ml
16) T n-Octacosane (C28)	17.144	3092351	18.439 ug/mlm
17) T n-Tricontane (C30)	18.032	3277628	20.073 ug/mlm
18) T n-Dotriacontane (C32)	18.867	3533484	20.646 ug/ml
19) T n-Tetratriacontane (C34)	19.651	3268804	21.143 ug/ml
20) T n-Hexatriacontane (C36)	20.393	3081947	21.214 ug/ml
21) T n-Octatriacontane (C38)	21.124	2854666	20.768 ug/mlm
22) T n-Tetracontane (C40)	22.015	3025212	19.578 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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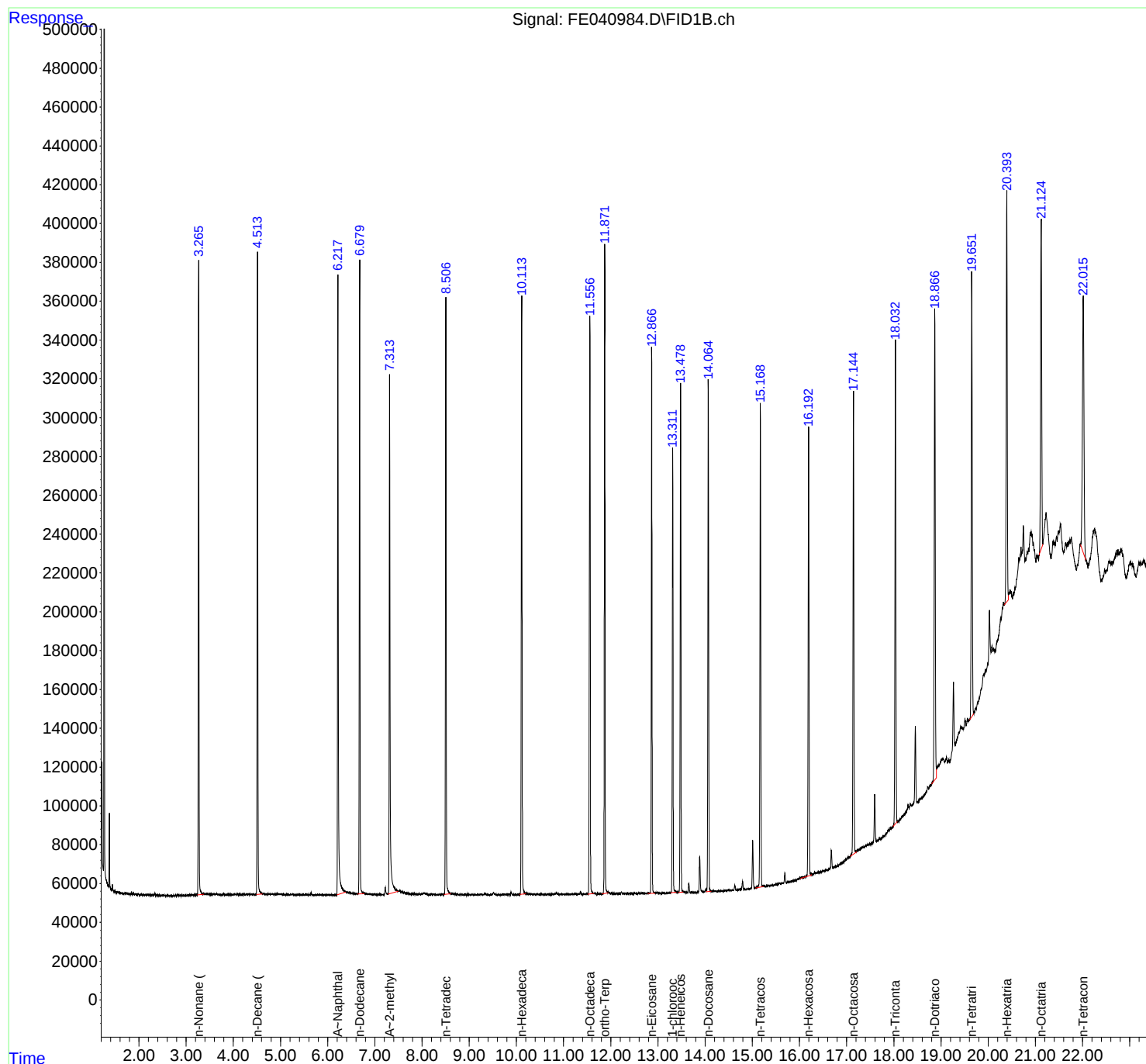
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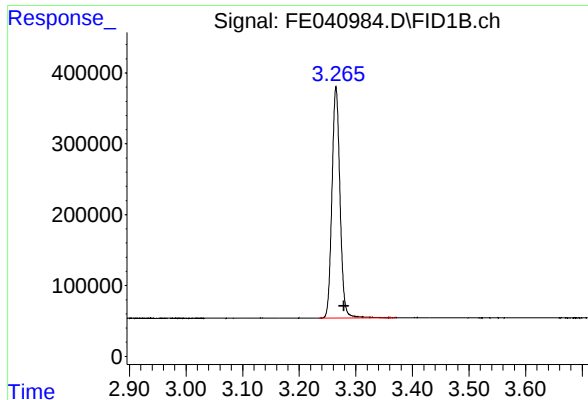
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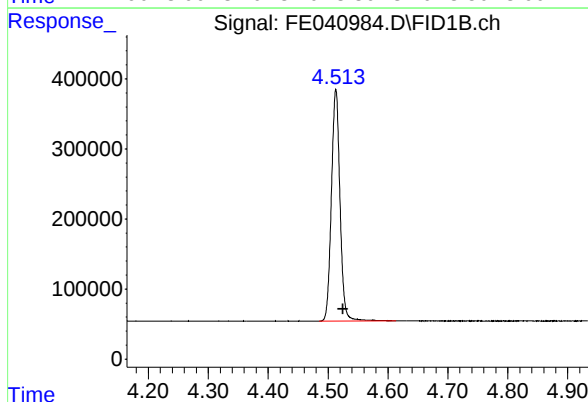
#1 n-Nonane (C9)

R.T.: 3.265 min
Delta R.T.: -0.014 min
Response: 3223699
Conc: 20.95 ug/ml

Instrument : FID_E
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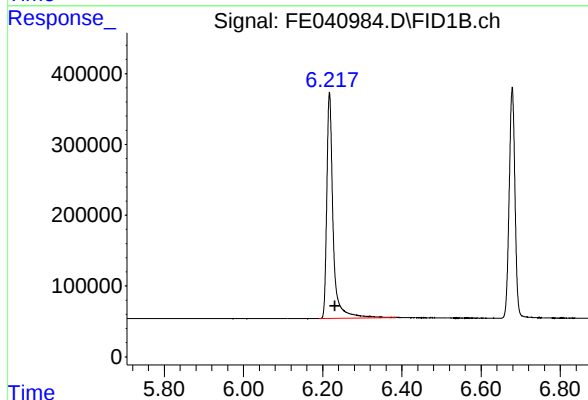
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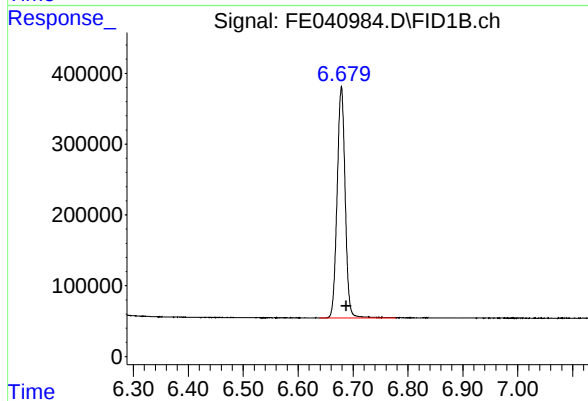
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: -0.012 min
Response: 3286792
Conc: 21.85 ug/ml



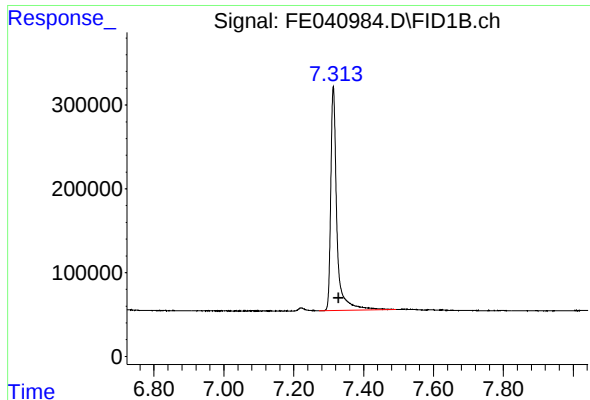
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.014 min
Response: 3552885
Conc: 21.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.679 min
Delta R.T.: -0.009 min
Response: 3313270
Conc: 21.64 ug/ml



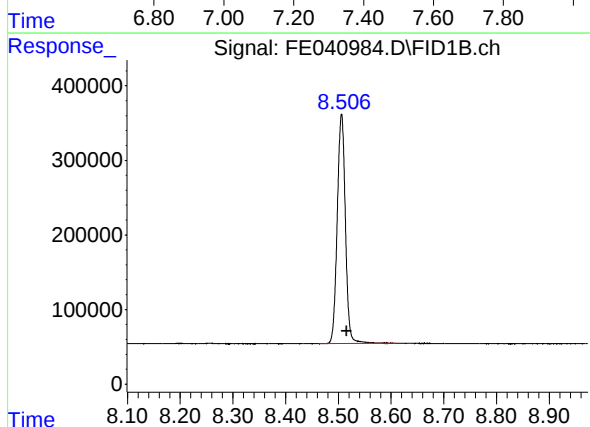
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: -0.015 min
Response: 3264281
Conc: 21.57 ug/ml

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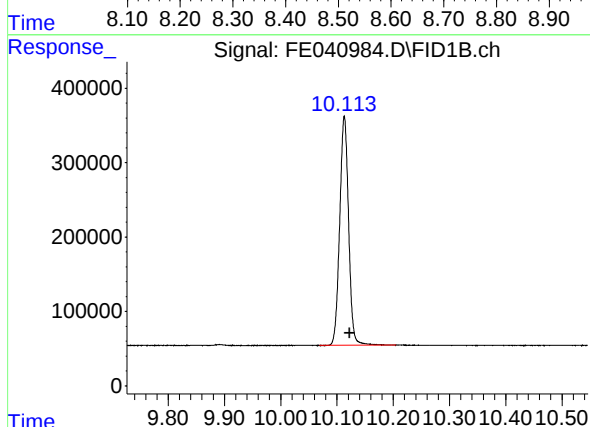
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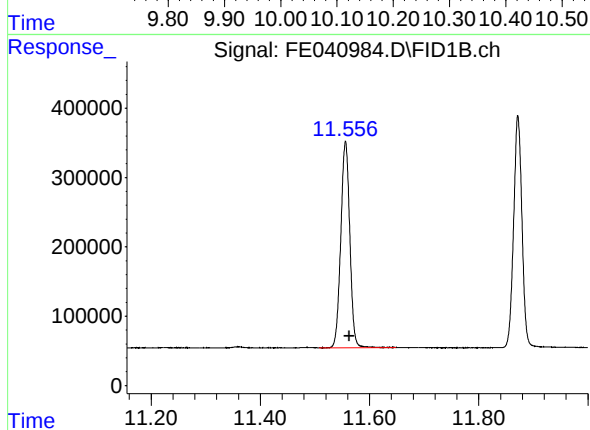
#6 n-Tetradecane (C14)

R.T.: 8.506 min
Delta R.T.: -0.009 min
Response: 3313094
Conc: 21.44 ug/ml



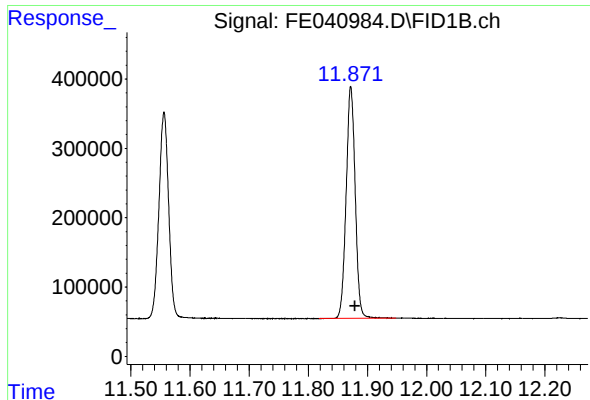
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.010 min
Response: 3388493
Conc: 20.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.007 min
Response: 3410008
Conc: 20.08 ug/ml



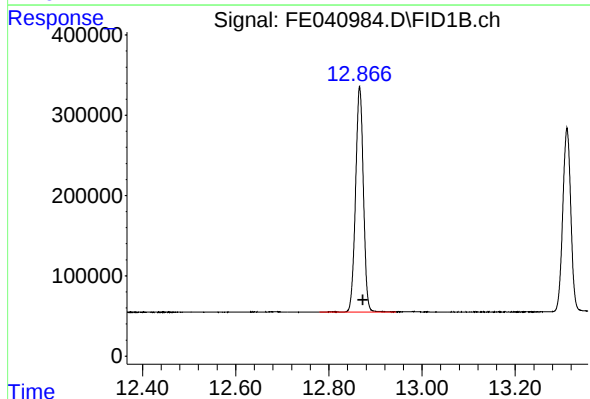
#9 ortho-Terphenyl (SURR)

R.T.: 11.872 min
Delta R.T.: -0.007 min
Response: 3557170
Conc: 19.04 ug/ml

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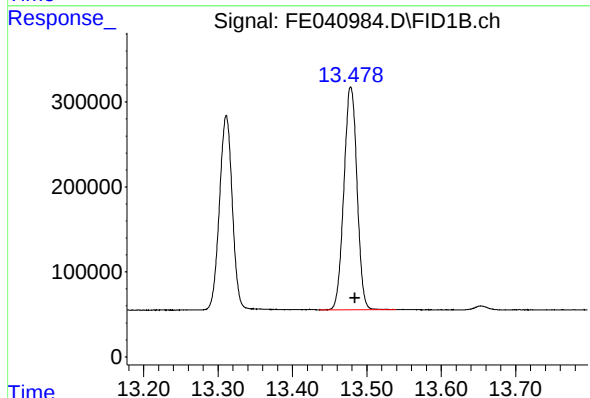
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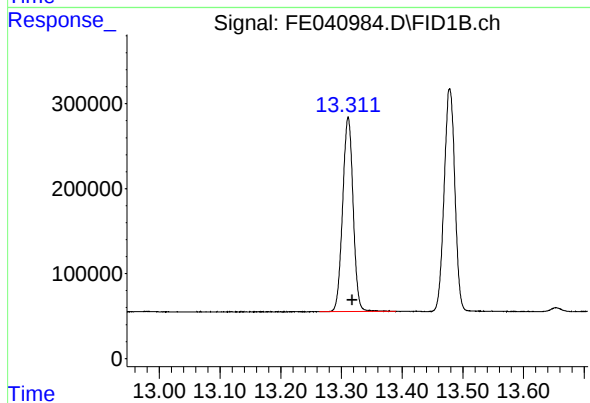
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.007 min
Response: 3268744
Conc: 19.32 ug/ml



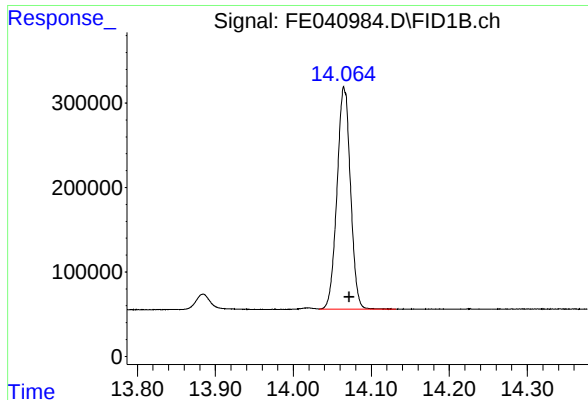
#11 n-Heneicosane (C21)

R.T.: 13.478 min
Delta R.T.: -0.006 min
Response: 3220430
Conc: 18.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.007 min
Response: 2749495
Conc: 18.58 ug/ml



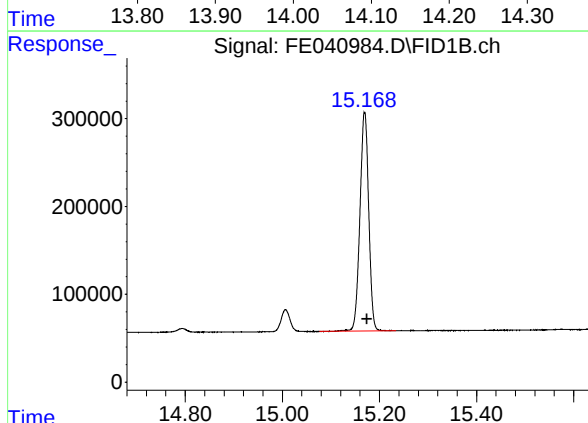
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.006 min
Response: 3163494
Conc: 18.47 ug/ml

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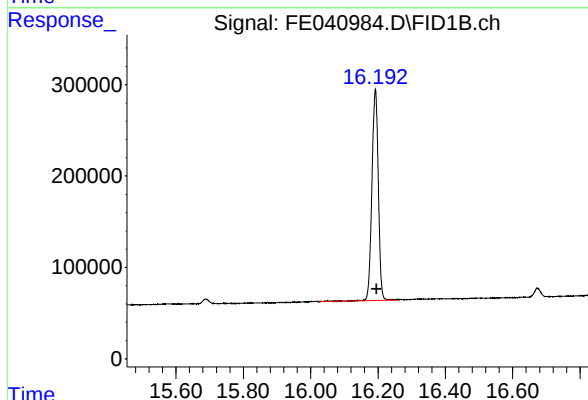
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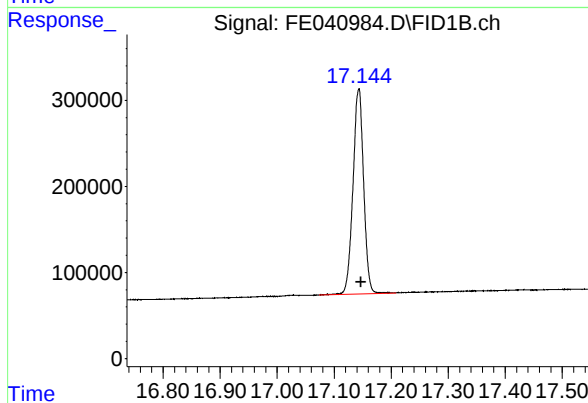
#14 n-Tetracosane (C24)

R.T.: 15.169 min
Delta R.T.: -0.005 min
Response: 3120884
Conc: 18.10 ug/ml



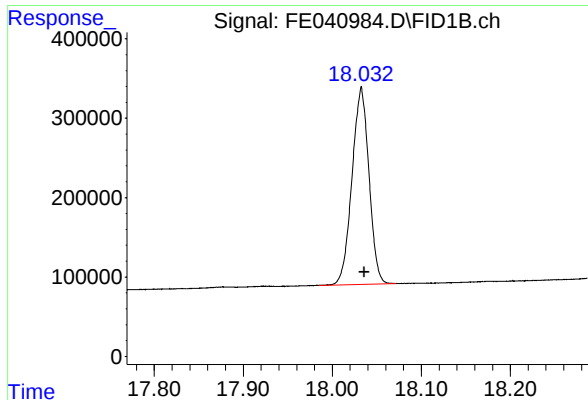
#15 n-Hexacosane (C26)

R.T.: 16.192 min
Delta R.T.: -0.004 min
Response: 3048887
Conc: 17.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: -0.004 min
Response: 3092351
Conc: 18.44 ug/ml m



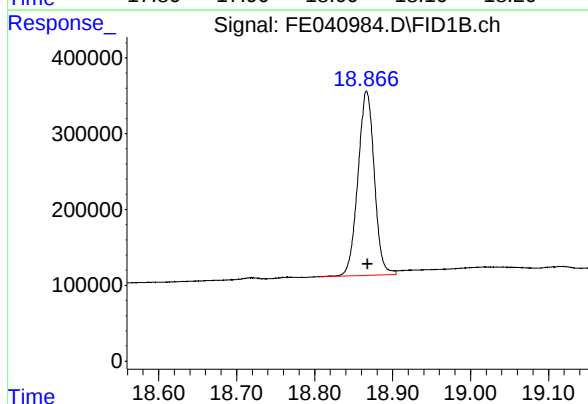
#17 n-Tricontane (C30)

R.T.: 18.032 min
Delta R.T.: -0.004 min
Response: 3277628
Conc: 20.07 ug/ml

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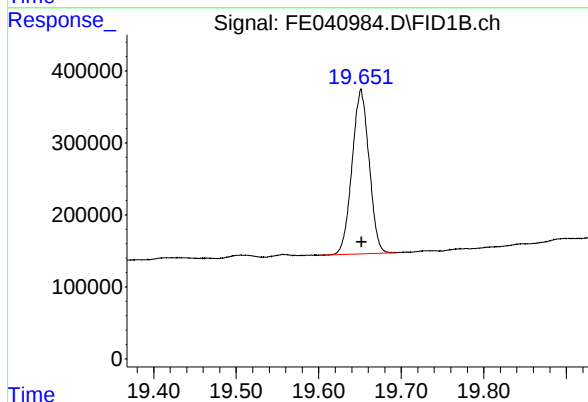
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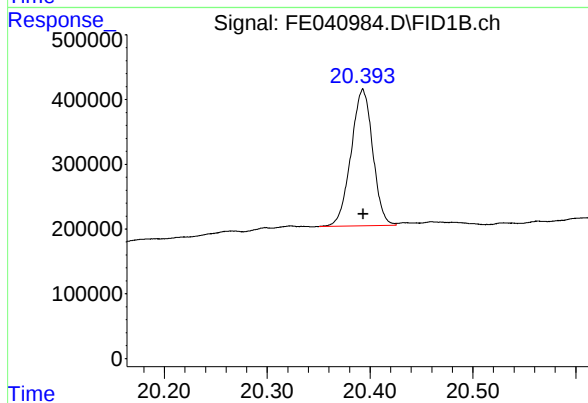
#18 n-Dotriacontane (C32)

R.T.: 18.867 min
Delta R.T.: -0.001 min
Response: 3533484
Conc: 20.65 ug/ml



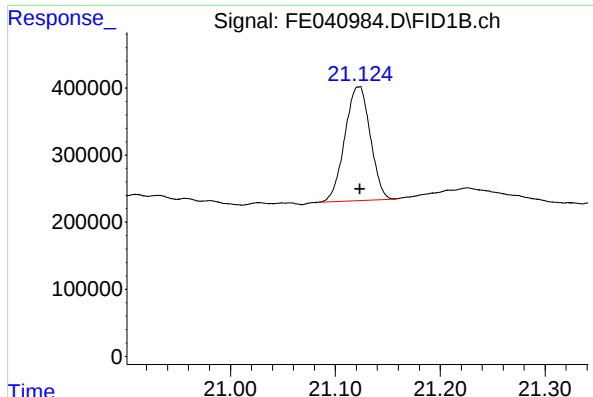
#19 n-Tetratriacontane (C34)

R.T.: 19.651 min
Delta R.T.: 0.000 min
Response: 3268804
Conc: 21.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.393 min
Delta R.T.: 0.000 min
Response: 3081947
Conc: 21.21 ug/ml



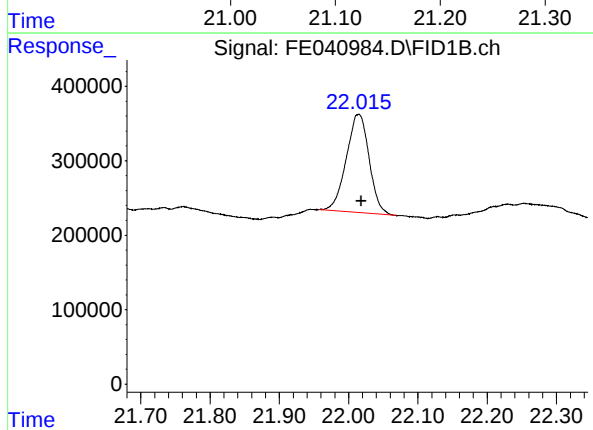
#21 n-Octatriacontane (C38)

R.T.: 21.124 min
Delta R.T.: 0.000 min
Response: 2854666
Conc: 20.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.015 min
Delta R.T.: -0.004 min
Response: 3025212
Conc: 19.58 ug/ml m