

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050123AL\
 Data File : FE041652.D
 Signal(s) : FID1B.ch
 Acq On : 02 May 2023 02:21
 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 05/02/2023
 Supervised By :Ankita Jodhani 05/02/2023

Integration File: autoint1.e
 Quant Time: May 02 05:30:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.985	3602241	19.201 ug/ml
Spiked Amount 50.000		Recovery =	38.40%
12) S 1-chlorooctadecane (S...	13.422	2662812	18.849 ug/ml
Spiked Amount 50.000		Recovery =	37.70%
Target Compounds			
1) T n-Nonane (C9)	3.356	2901190	19.737 ug/ml
2) T n-Decane (C10)	4.611	3007253	20.051 ug/ml
3) T A~Naphthalene (C11.7)	6.319	3313047	20.020 ug/ml
4) T n-Dodecane (C12)	6.781	3047146	20.041 ug/ml
5) T A~2-methylnaphthalene...	7.417	3230475	20.034 ug/ml
6) T n-Tetradecane (C14)	8.611	3045220	20.047 ug/ml
7) T n-Hexadecane (C16)	10.220	3160317	19.803 ug/ml
8) T n-Octadecane (C18)	11.666	3197755	19.509 ug/ml
10) T n-Eicosane (C20)	12.976	3071234	19.094 ug/ml
11) T n-Heneicosane (C21)	13.589	3014239	18.913 ug/ml
13) T n-Docosane (C22)	14.176	2987122	18.748 ug/ml
14) T n-Tetracosane (C24)	15.280	2959201	18.355 ug/ml
15) T n-Hexacosane (C26)	16.302	2865131	18.123 ug/ml
16) T n-Octacosane (C28)	17.253	2786626	18.110 ug/ml
17) T n-Tricontane (C30)	18.142	2828997	18.575 ug/ml
18) T n-Dotriacontane (C32)	18.976	2818220	18.917 ug/ml
19) T n-Tetratriacontane (C34)	19.759	2695938	19.137 ug/ml
20) T n-Hexatriacontane (C36)	20.500	2617350	19.572 ug/mlm
21) T n-Octatriacontane (C38)	21.257	2690490	20.362 ug/mlm
22) T n-Tetracontane (C40)	22.205	2806151	22.164 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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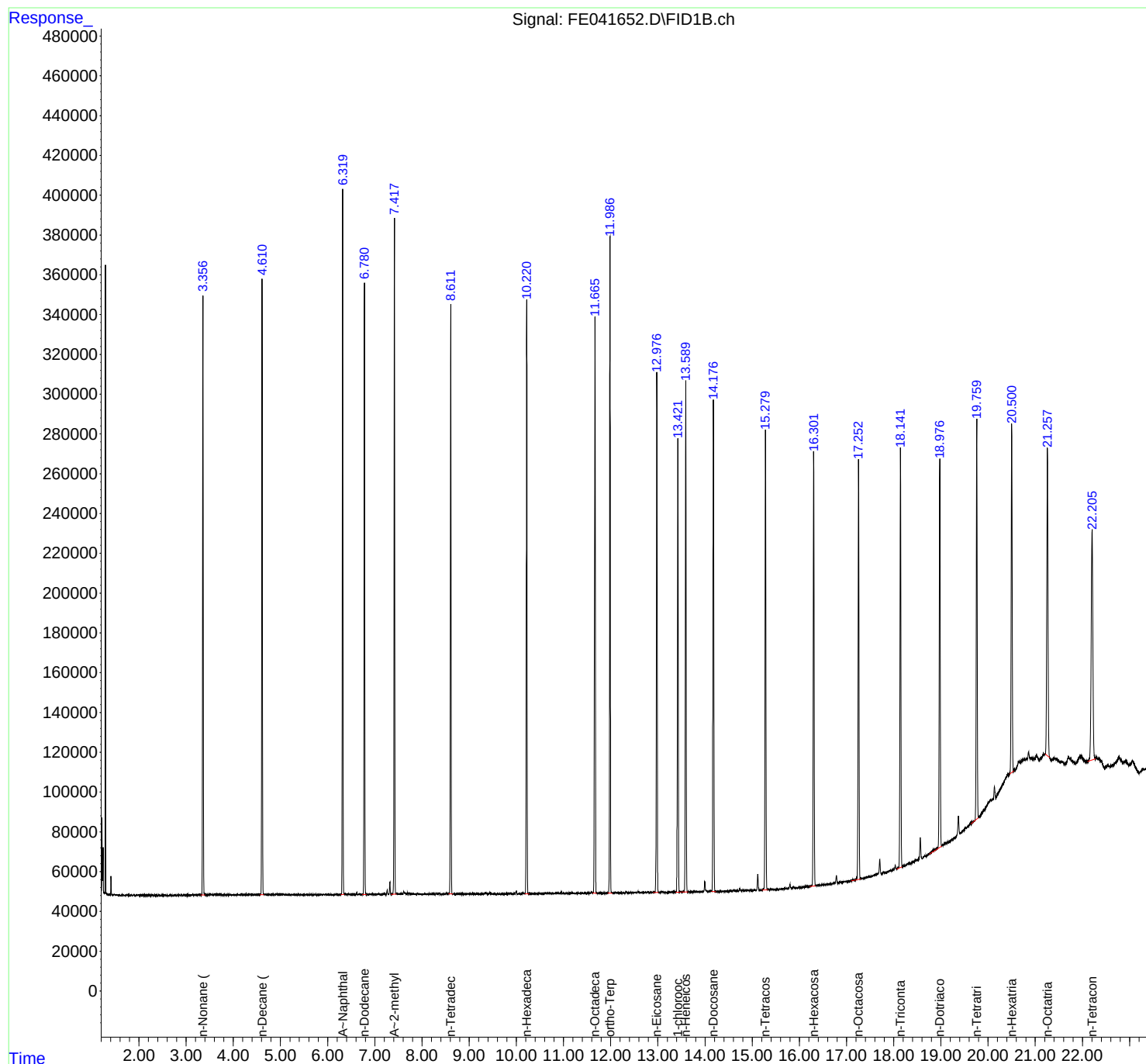
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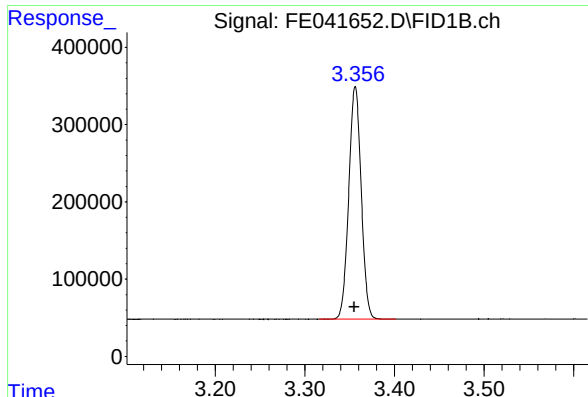
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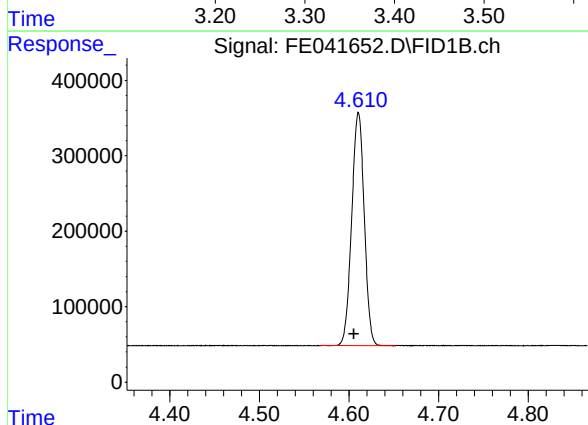
#1 n-Nonane (C9)

R.T.: 3.356 min
Delta R.T.: 0.001 min
Response: 2901190
Conc: 19.74 ug/ml

Instrument :
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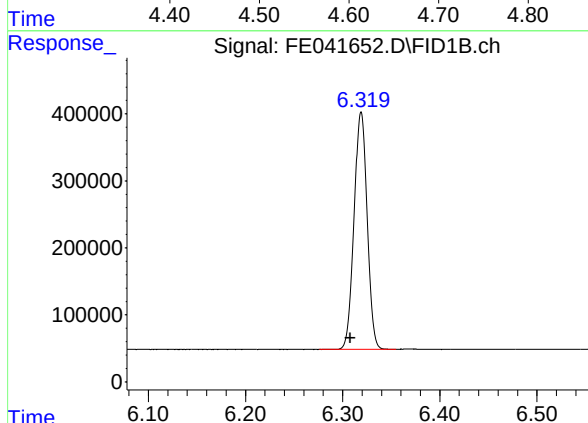
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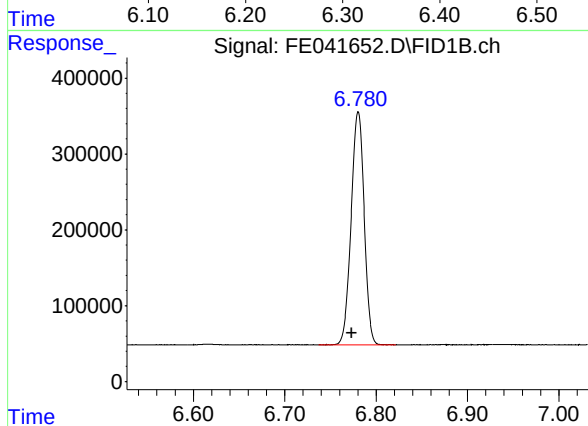
#2 n-Decane (C10)

R.T.: 4.611 min
Delta R.T.: 0.005 min
Response: 3007253
Conc: 20.05 ug/ml



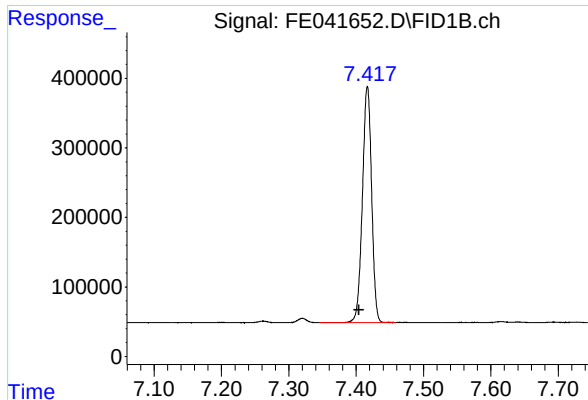
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min
Delta R.T.: 0.011 min
Response: 3313047
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.781 min
Delta R.T.: 0.007 min
Response: 3047146
Conc: 20.04 ug/ml



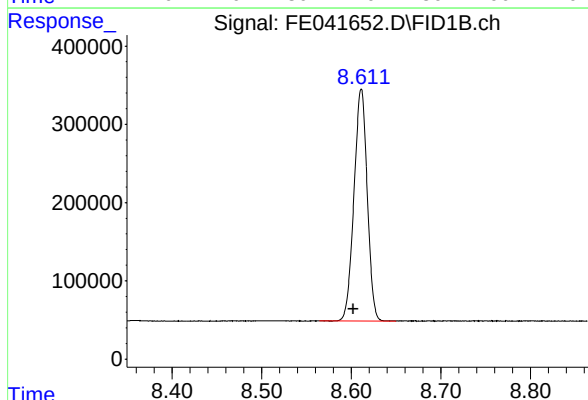
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.417 min
Delta R.T.: 0.012 min
Response: 3230475
Conc: 20.03 ug/ml

Instrument : FID_E
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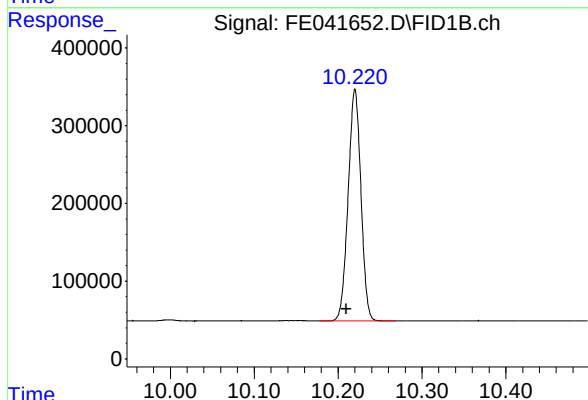
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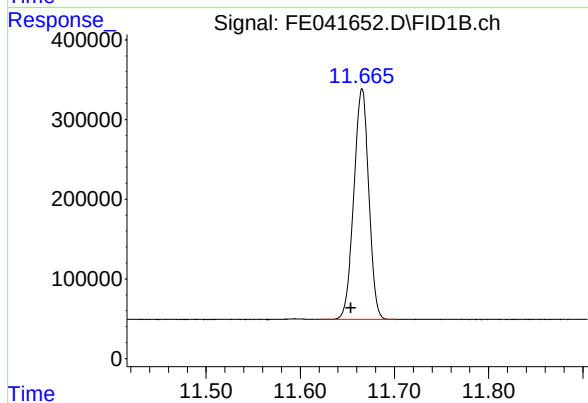
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.009 min
Response: 3045220
Conc: 20.05 ug/ml



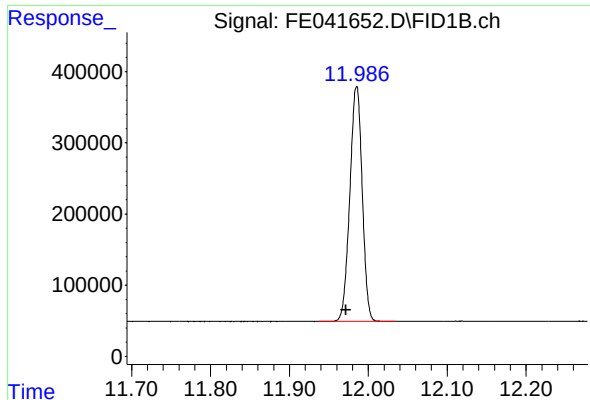
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: 0.010 min
Response: 3160317
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.666 min
Delta R.T.: 0.012 min
Response: 3197755
Conc: 19.51 ug/ml



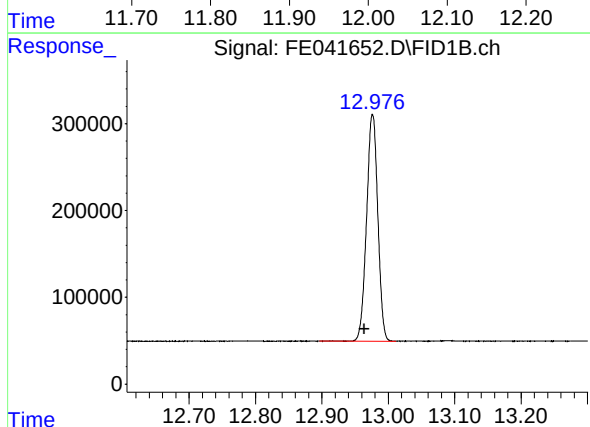
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: 0.014 min
Response: 3602241
Conc: 19.20 ug/ml

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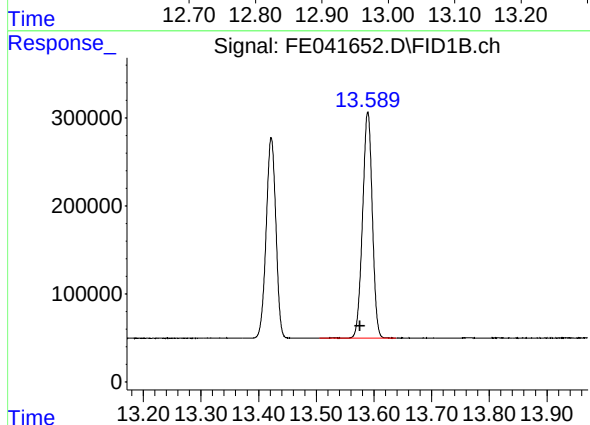
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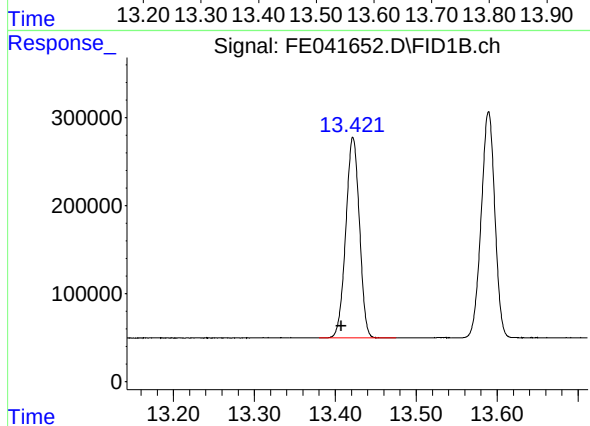
#10 n-Eicosane (C20)

R.T.: 12.976 min
Delta R.T.: 0.013 min
Response: 3071234
Conc: 19.09 ug/ml



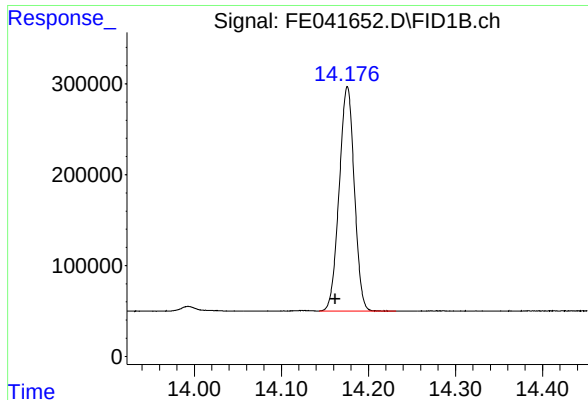
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: 0.014 min
Response: 3014239
Conc: 18.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.422 min
Delta R.T.: 0.014 min
Response: 2662812
Conc: 18.85 ug/ml



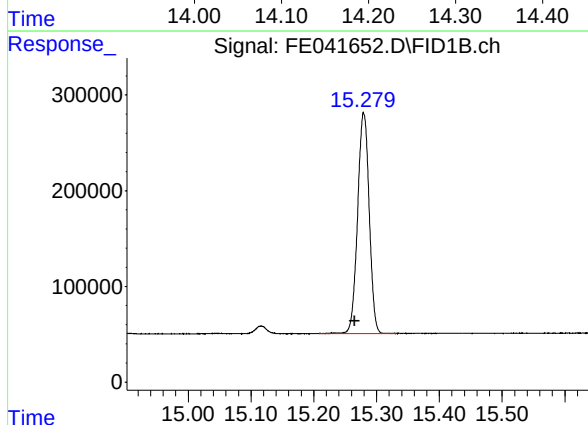
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: 0.014 min
Response: 2987122
Conc: 18.75 ug/ml

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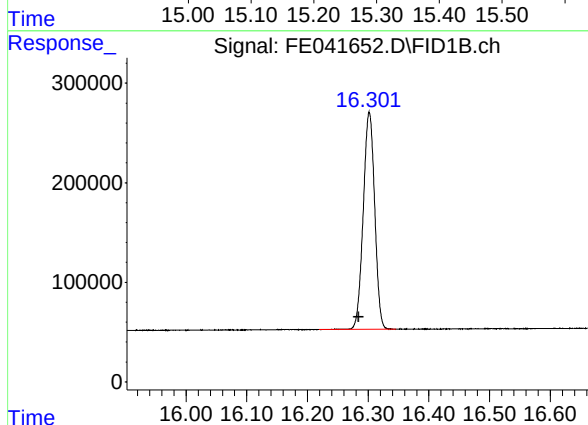
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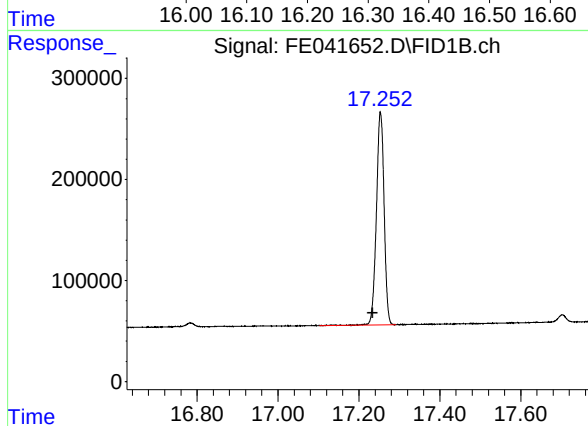
#14 n-Tetracosane (C24)

R.T.: 15.280 min
Delta R.T.: 0.015 min
Response: 2959201
Conc: 18.36 ug/ml



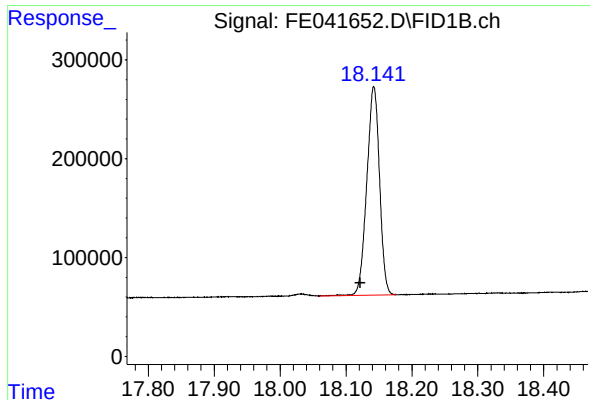
#15 n-Hexacosane (C26)

R.T.: 16.302 min
Delta R.T.: 0.017 min
Response: 2865131
Conc: 18.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.253 min
Delta R.T.: 0.019 min
Response: 2786626
Conc: 18.11 ug/ml



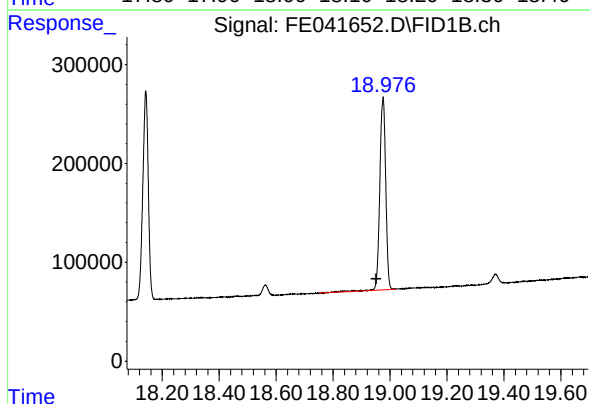
#17 n-Tricontane (C30)

R.T.: 18.142 min
Delta R.T.: 0.021 min
Response: 2828997
Conc: 18.57 ug/ml

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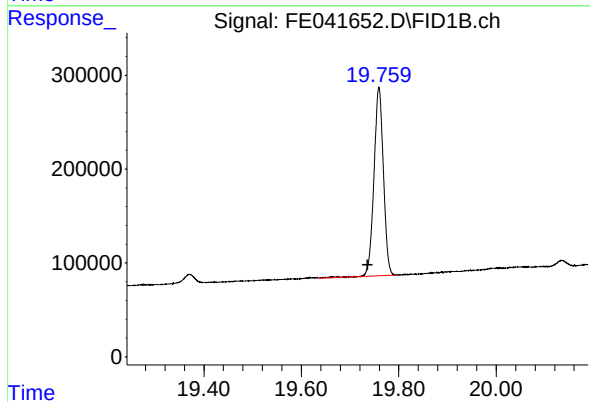
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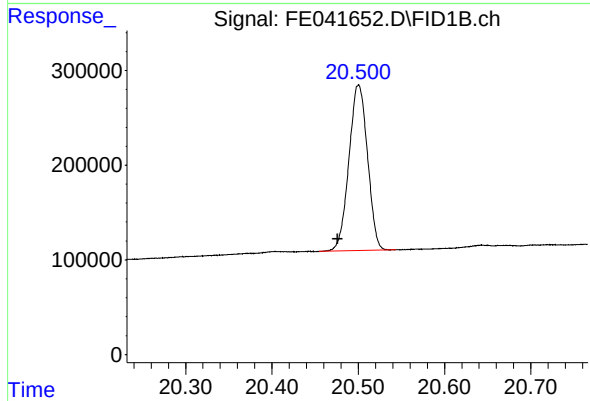
#18 n-Dotriacontane (C32)

R.T.: 18.976 min
Delta R.T.: 0.024 min
Response: 2818220
Conc: 18.92 ug/ml



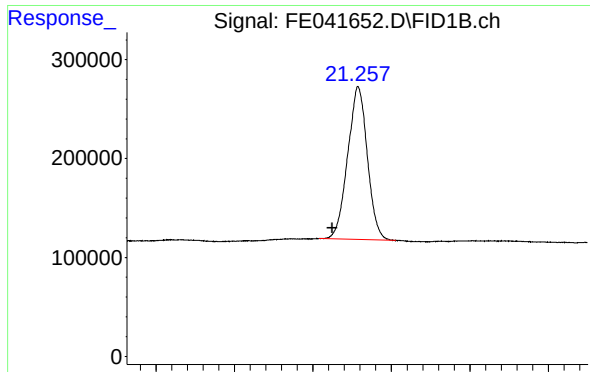
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: 0.023 min
Response: 2695938
Conc: 19.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.500 min
Delta R.T.: 0.024 min
Response: 2617350
Conc: 19.57 ug/ml m



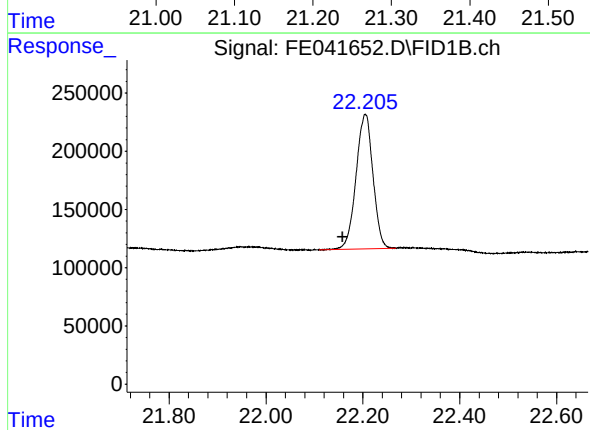
#21 n-Octatriacontane (C38)

R.T.: 21.257 min
Delta R.T.: 0.032 min
Response: 2690490
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.205 min
Delta R.T.: 0.046 min
Response: 2806151
Conc: 22.16 ug/ml m