

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112822AL\
 Data File : FE038986.D
 Signal(s) : FID1B.ch
 Acq On : 28 Nov 2022 09:31
 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 11/29/2022
 Supervised By :Ankita Jodhani 11/29/2022

Integration File: autoint1.e
 Quant Time: Nov 29 02:18:28 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 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)	11.957	3186918	20.372 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
12) S 1-chlorooctadecane (S...	13.391	2429581	20.122 ug/ml
Spiked Amount 50.000		Recovery =	40.24%
Target Compounds			
1) T n-Nonane (C9)	3.347	2746038	19.373 ug/ml
2) T n-Decane (C10)	4.597	2728730	19.578 ug/ml
3) T A~Naphthalene (C11.7)	6.302	3161553	19.877 ug/ml
4) T n-Dodecane (C12)	6.761	2765602	19.620 ug/ml
5) T A~2-methylnaphthalene...	7.396	2972714	19.862 ug/ml
6) T n-Tetradecane (C14)	8.587	2818998	19.738 ug/ml
7) T n-Hexadecane (C16)	10.195	2917856	19.956 ug/ml
8) T n-Octadecane (C18)	11.637	2965574	20.154 ug/ml
10) T n-Eicosane (C20)	12.947	2883046	20.308 ug/ml
11) T n-Heneicosane (C21)	13.558	2887408	20.320 ug/ml
13) T n-Docosane (C22)	14.143	2860553	20.464 ug/ml
14) T n-Tetracosane (C24)	15.247	2818446	20.408 ug/ml
15) T n-Hexacosane (C26)	16.267	2760153	20.550 ug/ml
16) T n-Octacosane (C28)	17.218	2781246	20.943 ug/ml
17) T n-Tricontane (C30)	18.105	2889466	21.880 ug/ml
18) T n-Dotriacontane (C32)	18.939	2963517	22.221 ug/ml
19) T n-Tetratriacontane (C34)	19.723	2881213	21.774 ug/ml
20) T n-Hexatriacontane (C36)	20.462	2776444	21.611 ug/ml
21) T n-Octatriacontane (C38)	21.206	2732880	20.856 ug/mlm
22) T n-Tetracontane (C40)	22.127	2712701	19.922 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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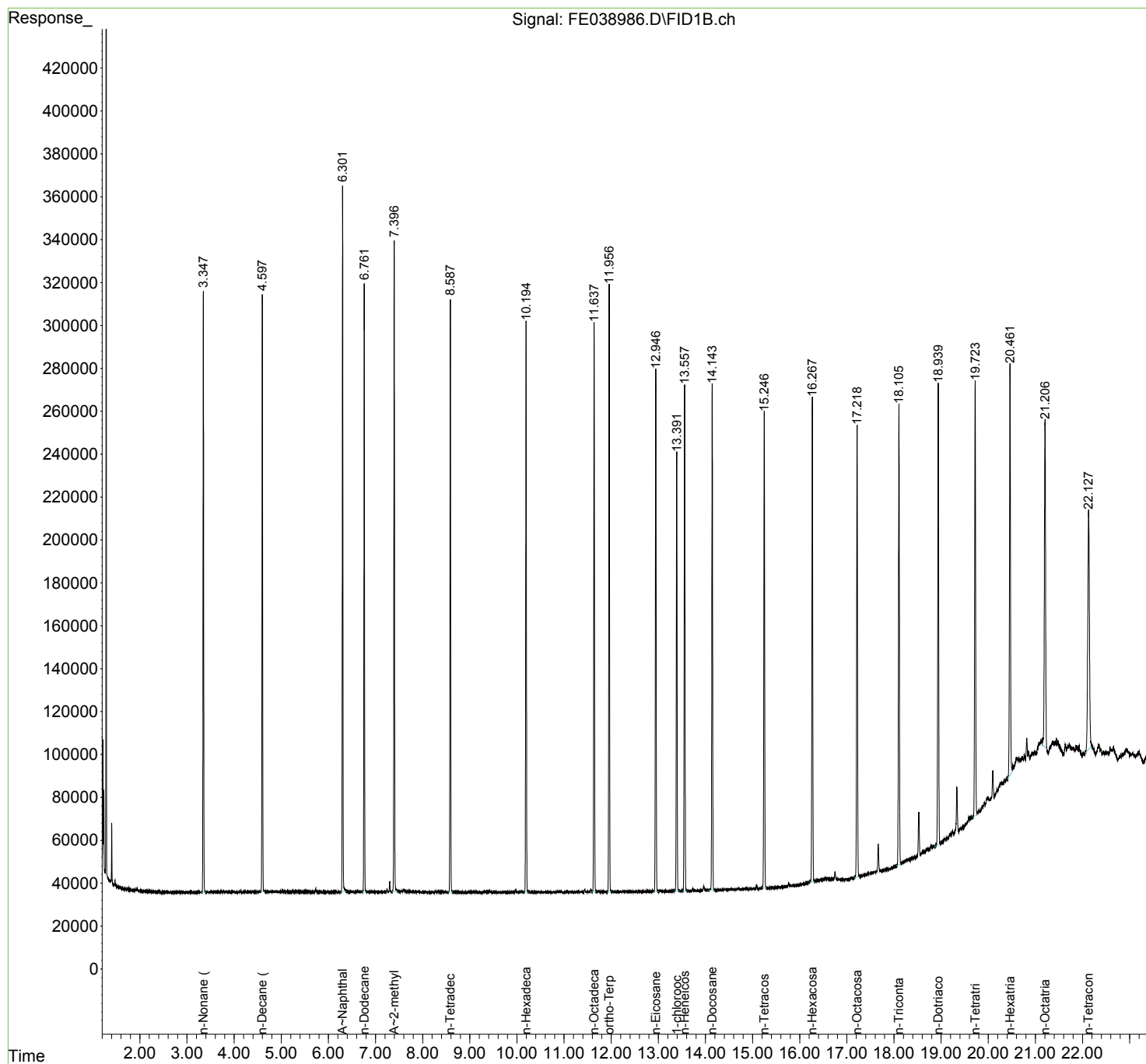
Instrument :
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20 PPM ALIPHATIC HC STD

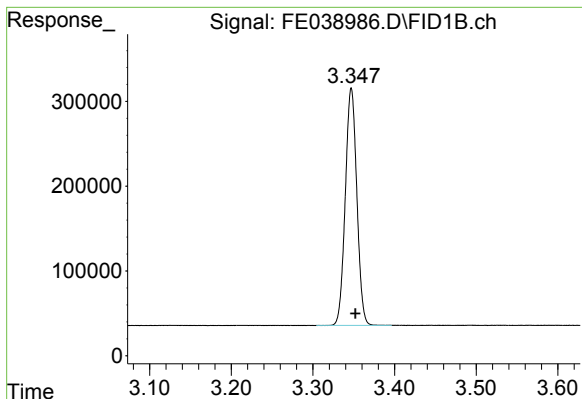
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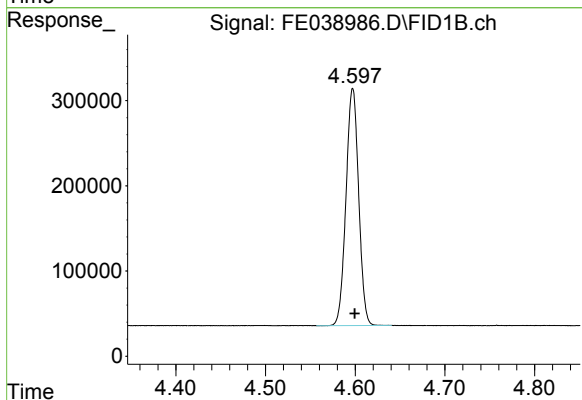
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.005 min
Response: 2746038
Conc: 19.37 ug/ml

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20 PPM ALIPHATIC HC STD

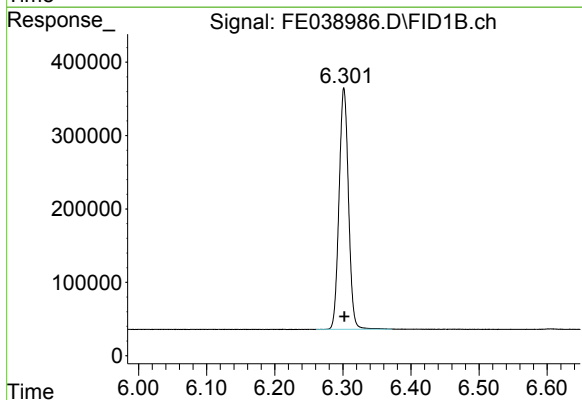
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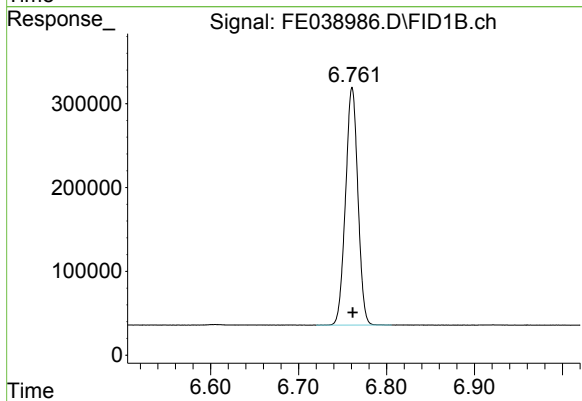
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: -0.002 min
Response: 2728730
Conc: 19.58 ug/ml



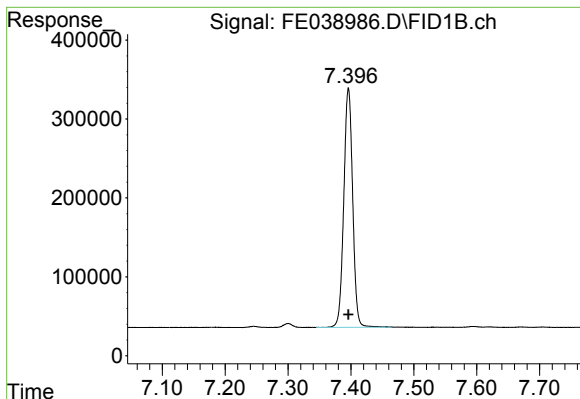
#3 A~Naphthalene (C11.7)

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 3161553
Conc: 19.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 2765602
Conc: 19.62 ug/ml



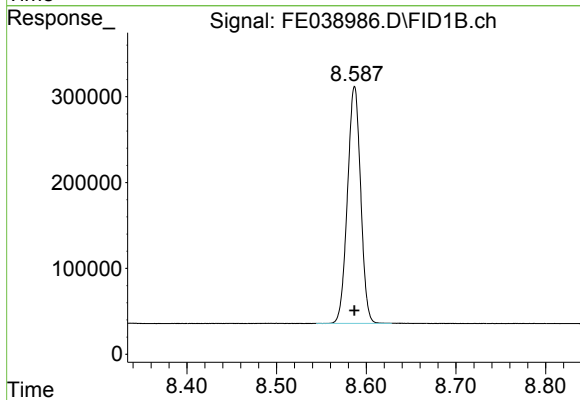
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: 0.000 min
Response: 2972714
Conc: 19.86 ug/ml

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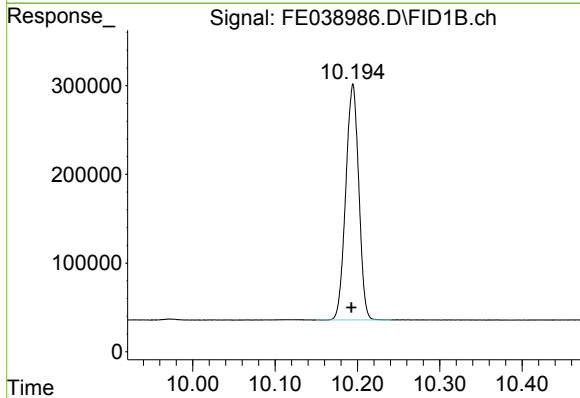
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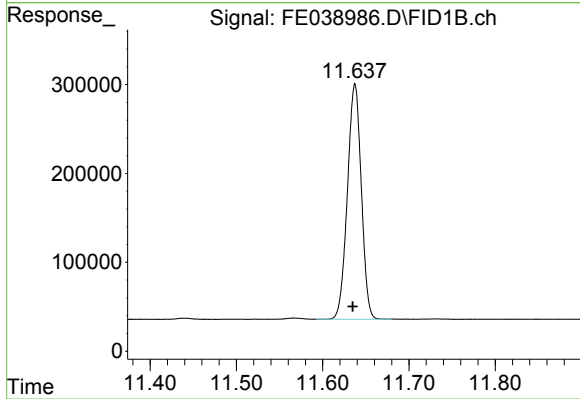
#6 n-Tetradecane (C14)

R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 2818998
Conc: 19.74 ug/ml



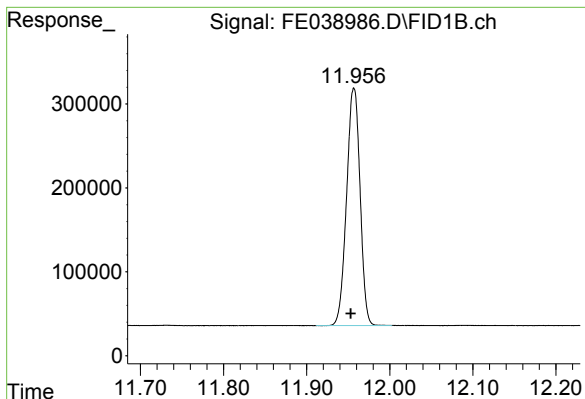
#7 n-Hexadecane (C16)

R.T.: 10.195 min
Delta R.T.: 0.002 min
Response: 2917856
Conc: 19.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: 0.003 min
Response: 2965574
Conc: 20.15 ug/ml



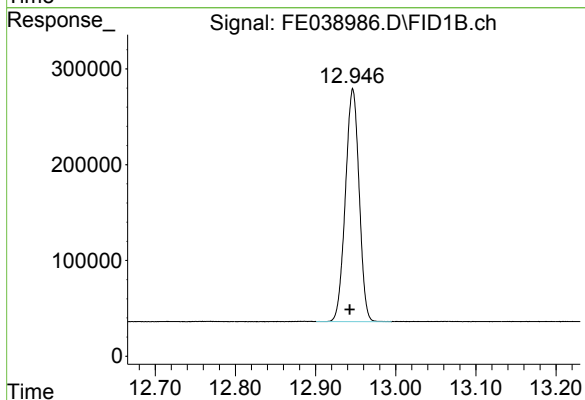
#9 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: 0.004 min
Response: 3186918
Conc: 20.37 ug/ml

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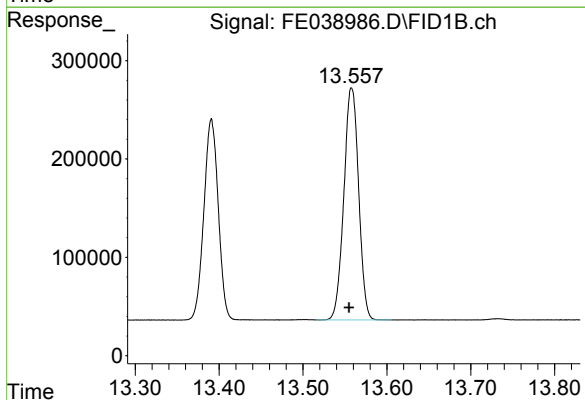
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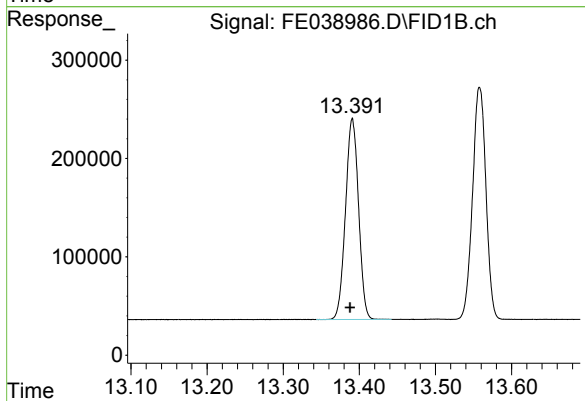
#10 n-Eicosane (C20)

R.T.: 12.947 min
Delta R.T.: 0.004 min
Response: 2883046
Conc: 20.31 ug/ml



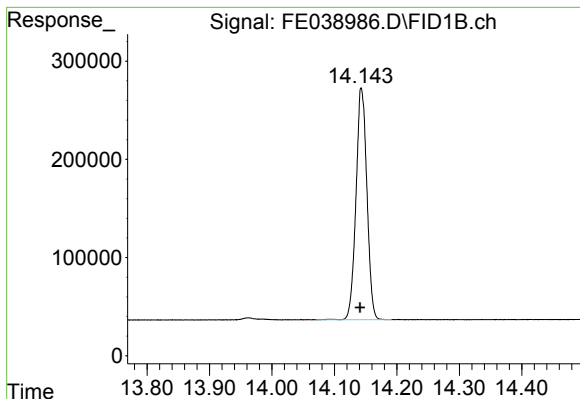
#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: 0.003 min
Response: 2887408
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: 0.003 min
Response: 2429581
Conc: 20.12 ug/ml



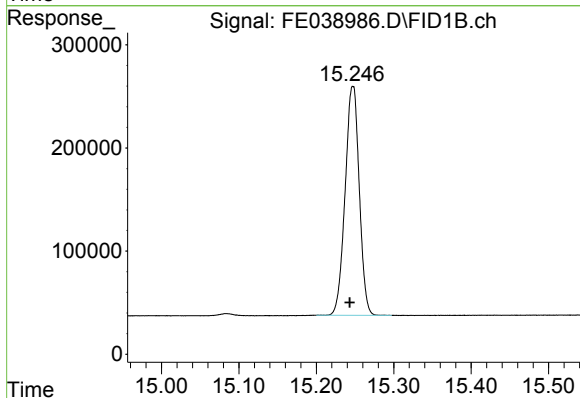
#13 n-Docosane (C22)

R.T.: 14.143 min
Delta R.T.: 0.002 min
Response: 2860553
Conc: 20.46 ug/ml

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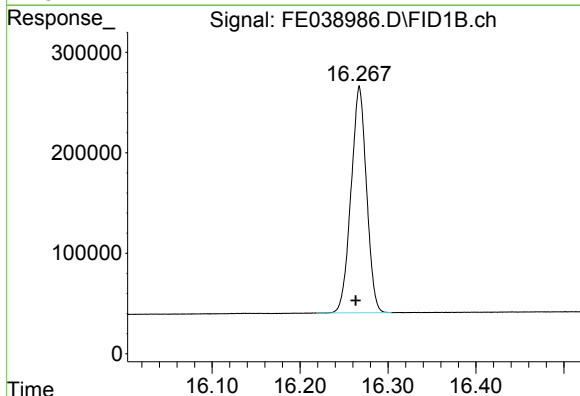
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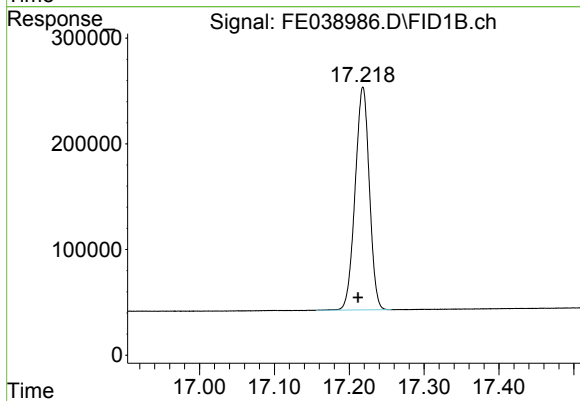
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: 0.004 min
Response: 2818446
Conc: 20.41 ug/ml



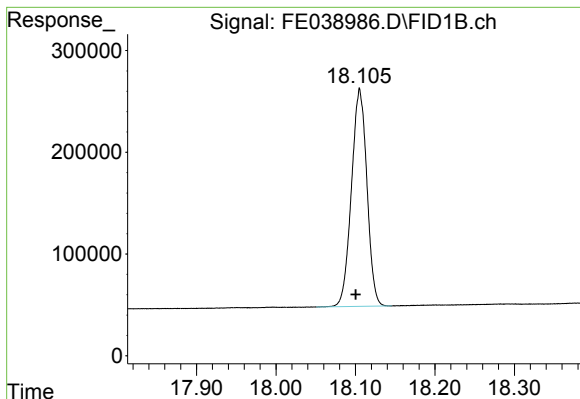
#15 n-Hexacosane (C26)

R.T.: 16.267 min
Delta R.T.: 0.004 min
Response: 2760153
Conc: 20.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.218 min
Delta R.T.: 0.006 min
Response: 2781246
Conc: 20.94 ug/ml



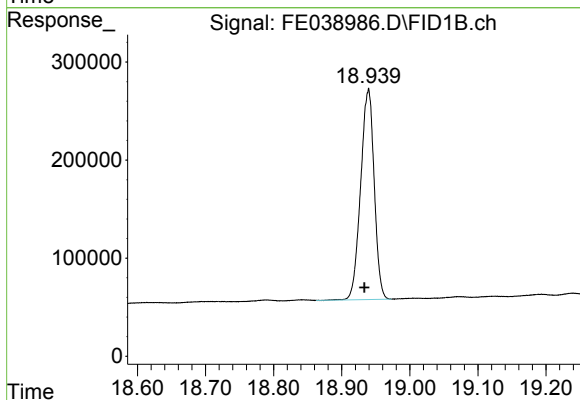
#17 n-Tricontane (C30)

R.T.: 18.105 min
Delta R.T.: 0.005 min
Response: 2889466
Conc: 21.88 ug/ml

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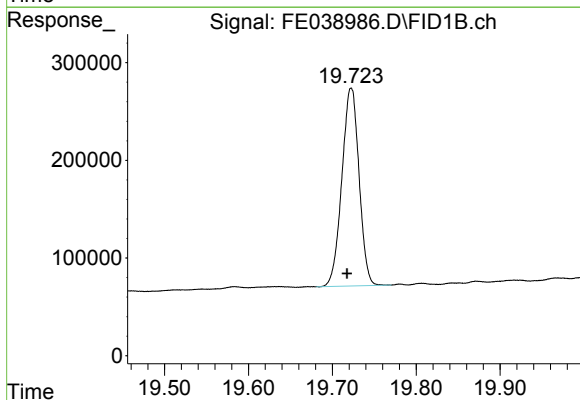
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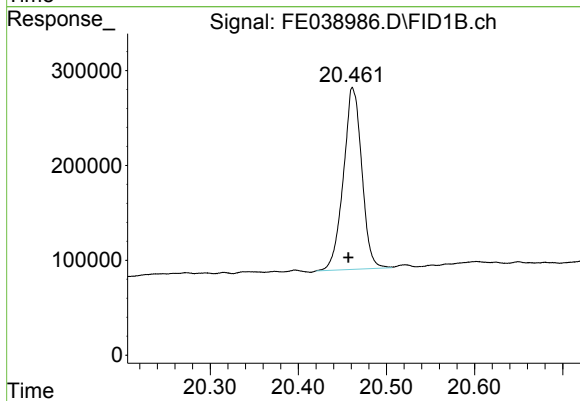
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: 0.006 min
Response: 2963517
Conc: 22.22 ug/ml



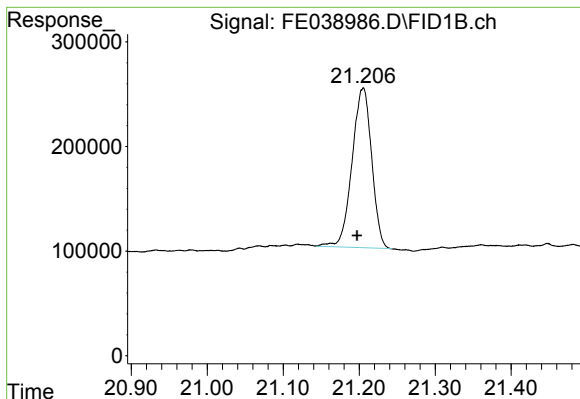
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: 0.005 min
Response: 2881213
Conc: 21.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min
Delta R.T.: 0.005 min
Response: 2776444
Conc: 21.61 ug/ml



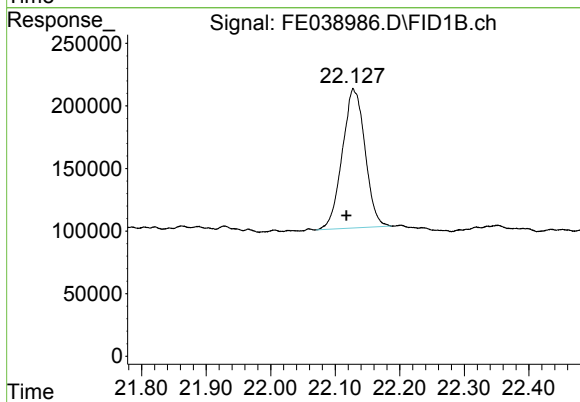
#21 n-Octatriacontane (C38)

R.T.: 21.206 min
Delta R.T.: 0.009 min
Response: 2732880
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.127 min
Delta R.T.: 0.010 min
Response: 2712701
Conc: 19.92 ug/ml m