

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033123AL\
 Data File : FE041114.D
 Signal(s) : FID1B.ch
 Acq On : 31 Mar 2023 21:29
 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 04/03/2023
 Supervised By :Ankita Jodhani 04/03/2023

Integration File: autoint1.e
 Quant Time: Apr 01 01:22:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.857	3886049	20.677 ug/ml
Spiked Amount 50.000		Recovery =	41.35%
12) S 1-chlorooctadecane (S...	13.296	2995556	20.820 ug/ml
Spiked Amount 50.000		Recovery =	41.64%
Target Compounds			
1) T n-Nonane (C9)	3.253	3591273	20.697 ug/ml
2) T n-Decane (C10)	4.500	3572976	20.991 ug/ml
3) T A~Naphthalene (C11.7)	6.203	3961160	21.656 ug/ml
4) T n-Dodecane (C12)	6.665	3621432	20.877 ug/ml
5) T A~2-methylnaphthalene...	7.299	3720380	22.464 ug/ml
6) T n-Tetradecane (C14)	8.492	3638868	20.869 ug/ml
7) T n-Hexadecane (C16)	10.099	3697278	20.788 ug/ml
8) T n-Octadecane (C18)	11.542	3697830	20.710 ug/ml
10) T n-Eicosane (C20)	12.852	3535897	20.729 ug/ml
11) T n-Heneicosane (C21)	13.464	3484417	20.595 ug/ml
13) T n-Docosane (C22)	14.051	3452538	20.863 ug/ml
14) T n-Tetracosane (C24)	15.155	3428638	21.192 ug/ml
15) T n-Hexacosane (C26)	16.177	3346573	21.589 ug/ml
16) T n-Octacosane (C28)	17.128	3342865	21.823 ug/ml
17) T n-Tricontane (C30)	18.017	3378848	22.105 ug/ml
18) T n-Dotriacontane (C32)	18.852	3473558	22.248 ug/ml
19) T n-Tetratriacontane (C34)	19.637	3353824	21.642 ug/ml
20) T n-Hexatriacontane (C36)	20.378	3323398	21.879 ug/mlm
21) T n-Octatriacontane (C38)	21.107	3426235	21.932 ug/ml
22) T n-Tetracontane (C40)	21.996	3581314	22.439 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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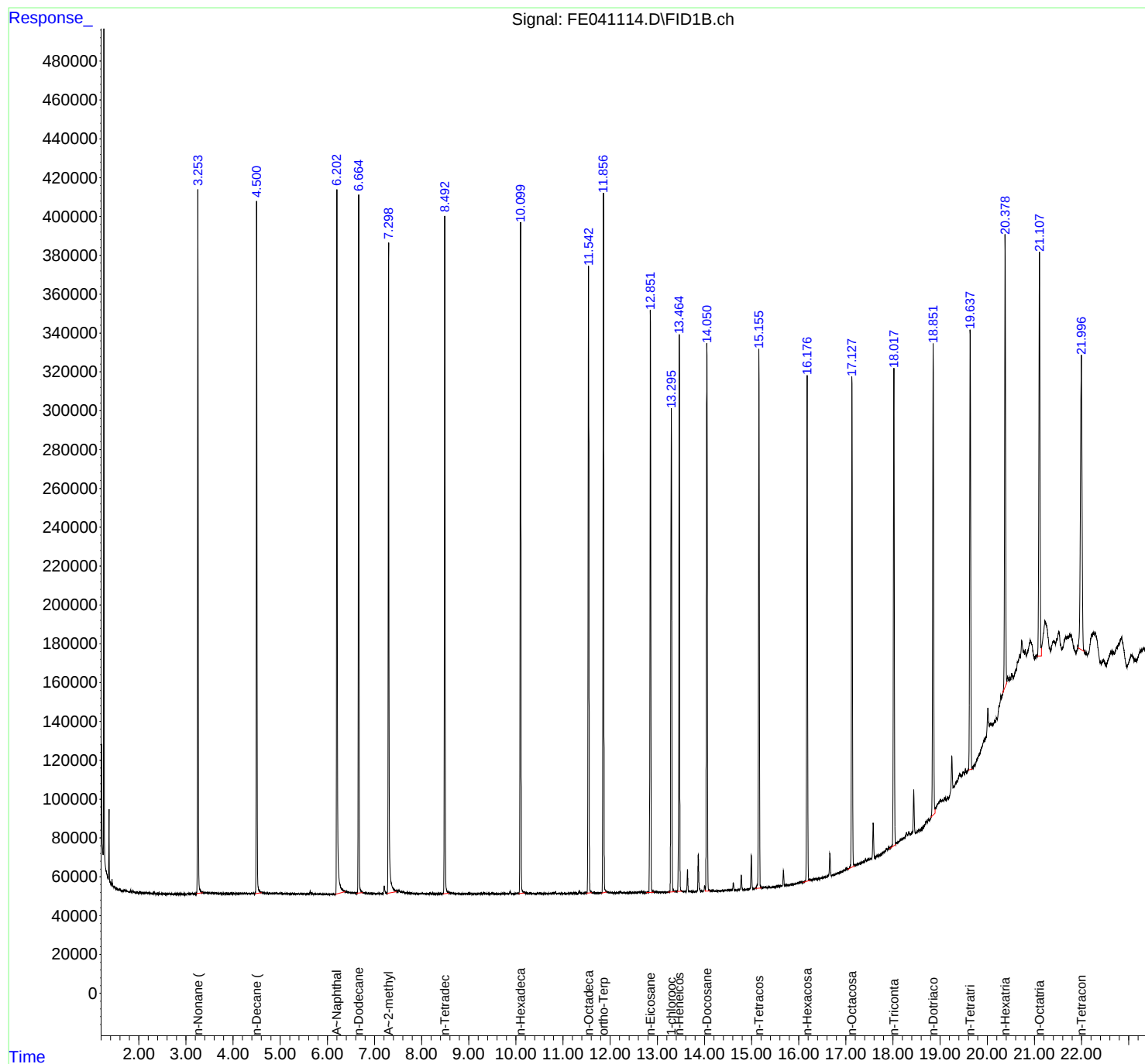
Instrument :
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20 PPM ALIPHATIC HC STD

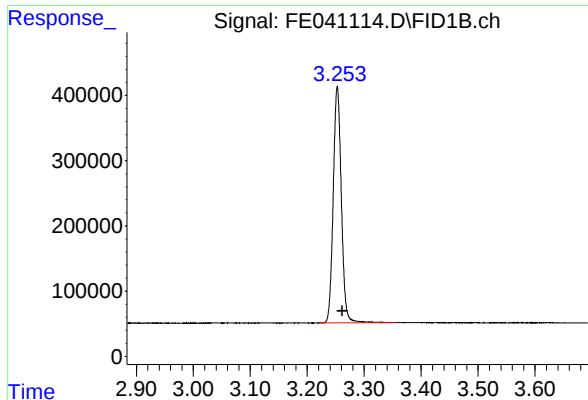
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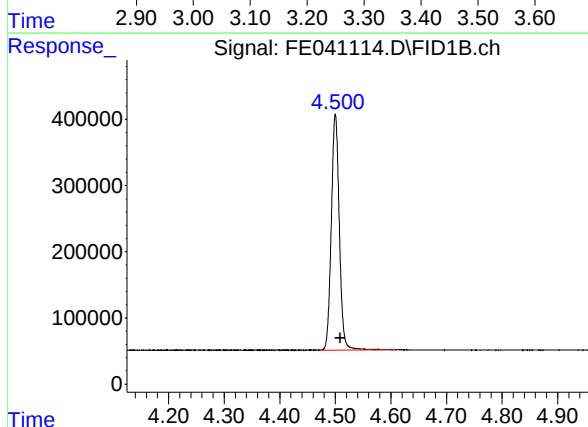
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.009 min
Response: 3591273
Conc: 20.70 ug/ml

Instrument :
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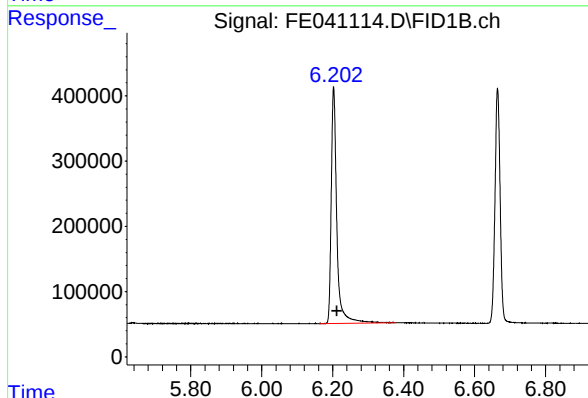
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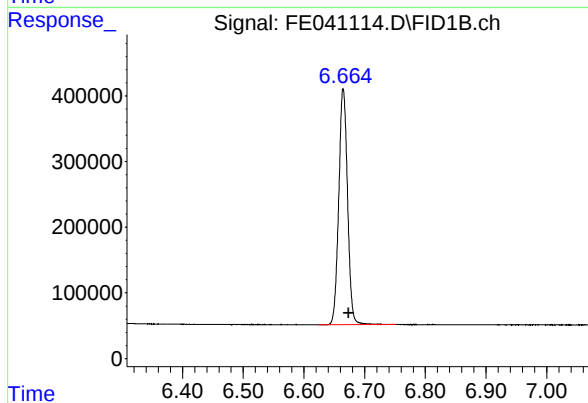
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.009 min
Response: 3572976
Conc: 20.99 ug/ml



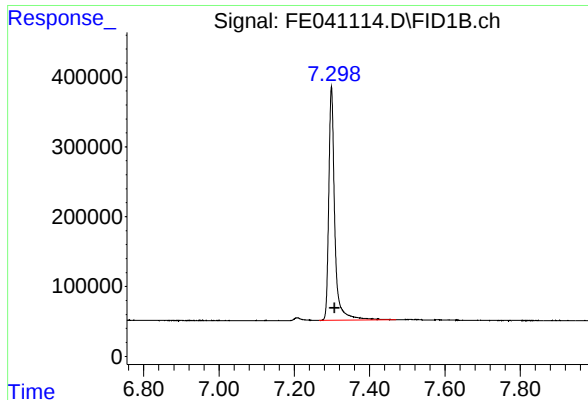
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: -0.009 min
Response: 3961160
Conc: 21.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.009 min
Response: 3621432
Conc: 20.88 ug/ml



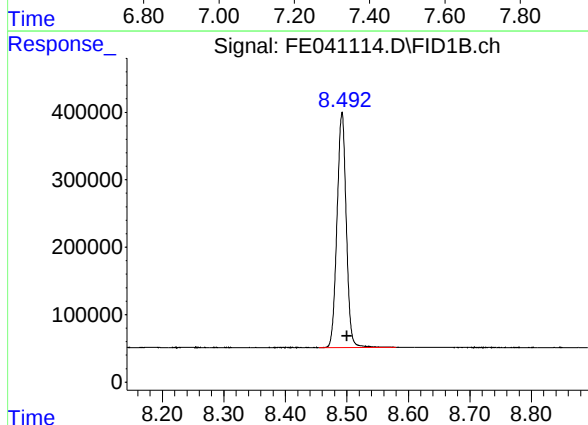
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: -0.009 min
Response: 3720380
Conc: 22.46 ug/ml

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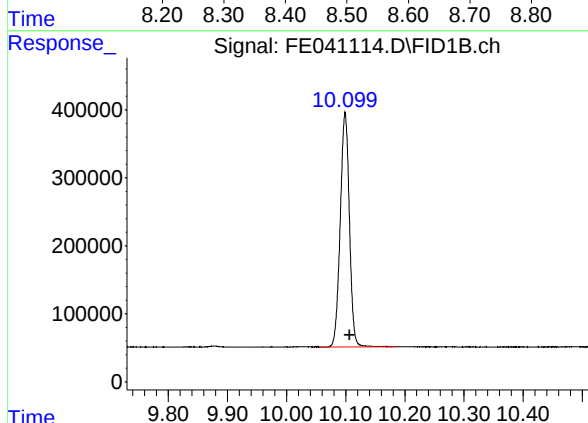
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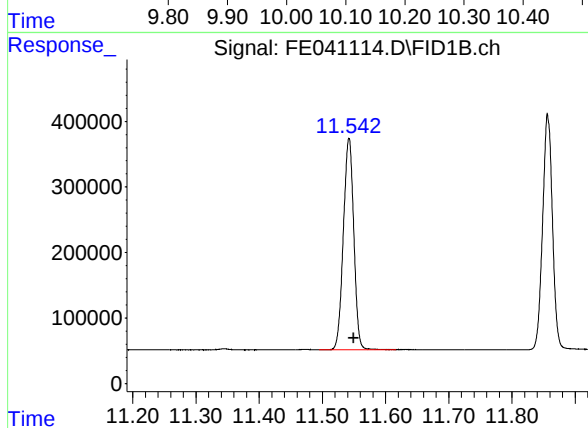
#6 n-Tetradecane (C14)

R.T.: 8.492 min
Delta R.T.: -0.008 min
Response: 3638868
Conc: 20.87 ug/ml



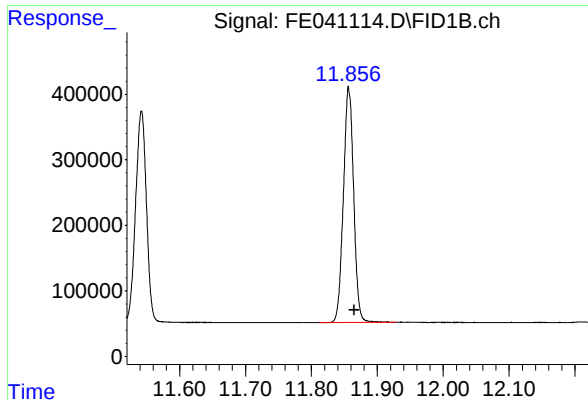
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.008 min
Response: 3697278
Conc: 20.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.542 min
Delta R.T.: -0.007 min
Response: 3697830
Conc: 20.71 ug/ml



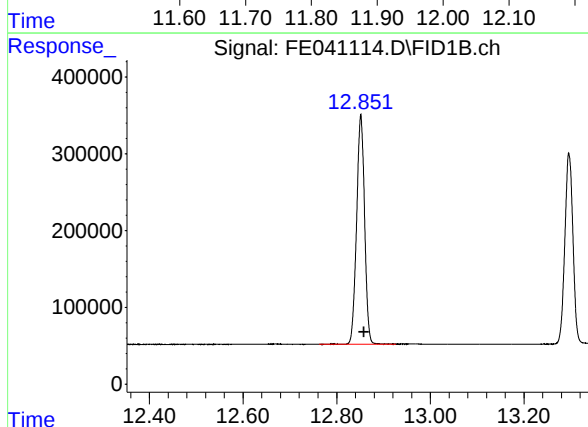
#9 ortho-Terphenyl (SURR)

R.T.: 11.857 min
Delta R.T.: -0.009 min
Response: 3886049
Conc: 20.68 ug/ml

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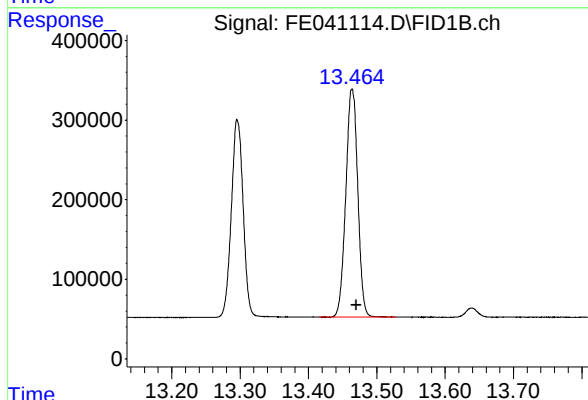
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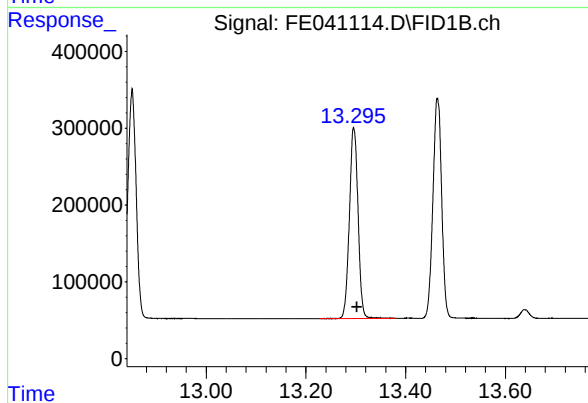
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.007 min
Response: 3535897
Conc: 20.73 ug/ml



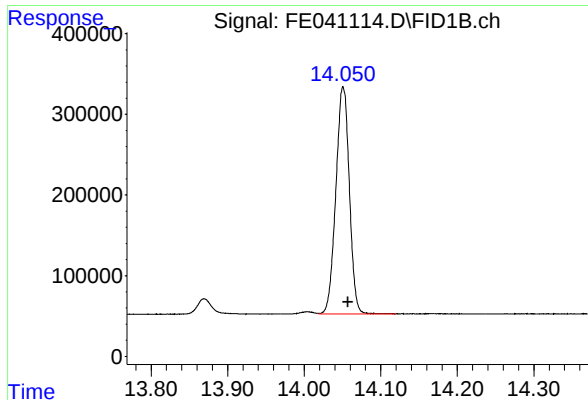
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: -0.006 min
Response: 3484417
Conc: 20.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.006 min
Response: 2995556
Conc: 20.82 ug/ml



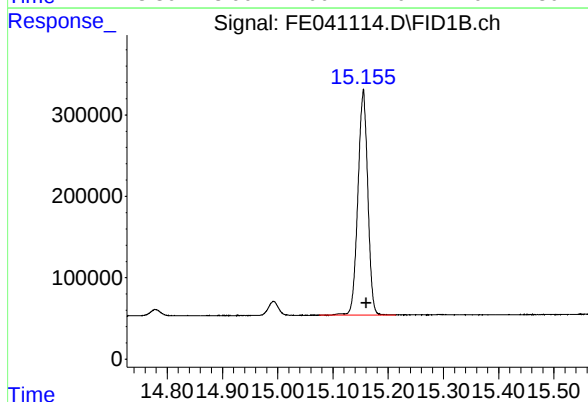
#13 n-Docosane (C22)

R.T.: 14.051 min
Delta R.T.: -0.006 min
Response: 3452538
Conc: 20.86 ug/ml

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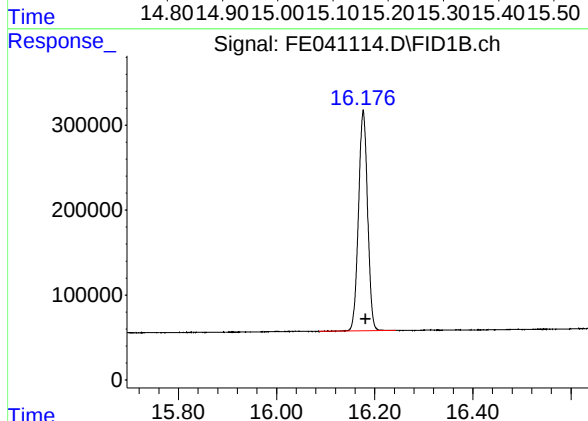
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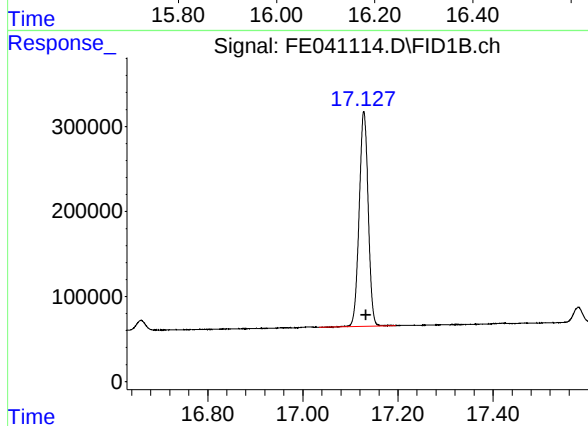
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.006 min
Response: 3428638
Conc: 21.19 ug/ml



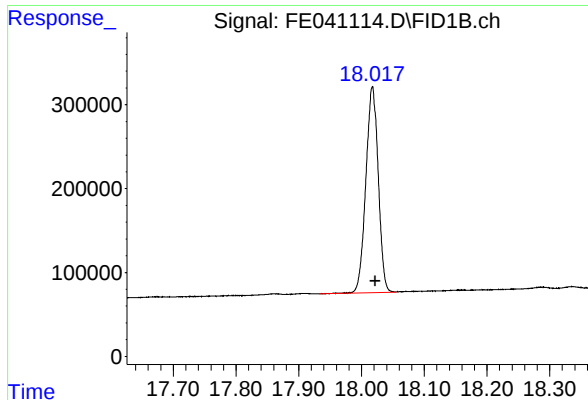
#15 n-Hexacosane (C26)

R.T.: 16.177 min
Delta R.T.: -0.005 min
Response: 3346573
Conc: 21.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.128 min
Delta R.T.: -0.005 min
Response: 3342865
Conc: 21.82 ug/ml



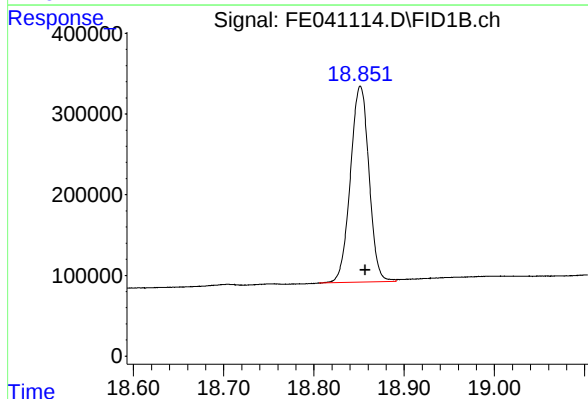
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.005 min
Response: 3378848
Conc: 22.10 ug/ml

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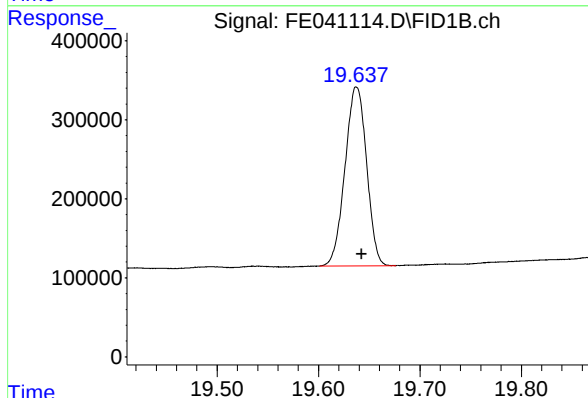
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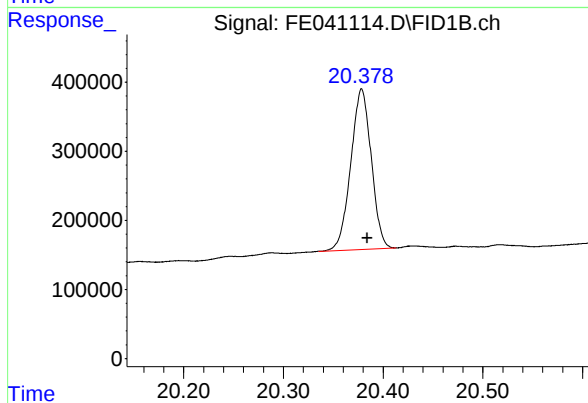
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.005 min
Response: 3473558
Conc: 22.25 ug/ml



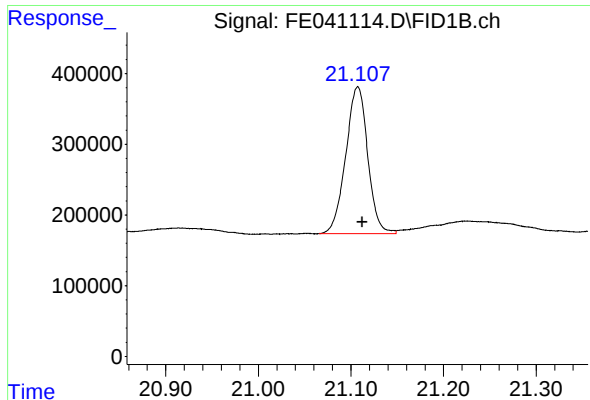
#19 n-Tetratriacontane (C34)

R.T.: 19.637 min
Delta R.T.: -0.005 min
Response: 3353824
Conc: 21.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.006 min
Response: 3323398
Conc: 21.88 ug/ml m



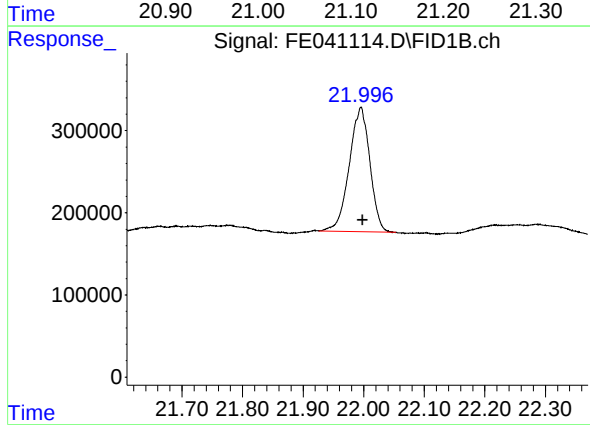
#21 n-Octatriacontane (C38)

R.T.: 21.107 min
Delta R.T.: -0.005 min
Response: 3426235
Conc: 21.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.996 min
Delta R.T.: -0.002 min
Response: 3581314
Conc: 22.44 ug/ml m