

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011024AL\
 Data File : FE046166.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jan 2024 01:07
 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 01/11/2024
 Supervised By :Ankita Jodhani 01/11/2024

Integration File: autoint1.e
 Quant Time: Jan 11 02:36:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 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)	11.832	3258057	17.928 ug/ml
Spiked Amount 50.000		Recovery =	35.86%
12) S 1-chlorooctadecane (S...	13.276	2447455	18.318 ug/ml
Spiked Amount 50.000		Recovery =	36.64%
Target Compounds			
1) T n-Nonane (C9)	3.217	2563737	16.752 ug/ml
2) T n-Decane (C10)	4.468	2635846	16.984 ug/ml
3) T A~Naphthalene (C11.7)	6.171	2825335	16.989 ug/ml
4) T n-Dodecane (C12)	6.636	2689342	17.224 ug/ml
5) T A~2-methylnaphthalene...	7.268	2725720	17.120 ug/ml
6) T n-Tetradecane (C14)	8.464	2708553	17.388 ug/ml
7) T n-Hexadecane (C16)	10.073	2810370	17.747 ug/ml
8) T n-Octadecane (C18)	11.518	2838178	18.032 ug/ml
10) T n-Eicosane (C20)	12.830	2768743	18.302 ug/ml
11) T n-Heneicosane (C21)	13.443	2696265	18.336 ug/ml
13) T n-Docosane (C22)	14.031	2722859	18.628 ug/ml
14) T n-Tetracosane (C24)	15.137	2857358	19.701 ug/ml
15) T n-Hexacosane (C26)	16.161	2831660	19.751 ug/ml
16) T n-Octacosane (C28)	17.114	2952073	20.584 ug/ml
17) T n-Tricontane (C30)	18.005	3124398	21.020 ug/ml
18) T n-Dotriacontane (C32)	18.839	3098701	20.719 ug/ml
19) T n-Tetratriacontane (C34)	19.627	2914898	20.347 ug/ml
20) T n-Hexatriacontane (C36)	20.369	2609065	17.895 ug/ml
21) T n-Octatriacontane (C38)	21.101	2717250	18.427 ug/mlm
22) T n-Tetracontane (C40)	21.997	2614963	16.706 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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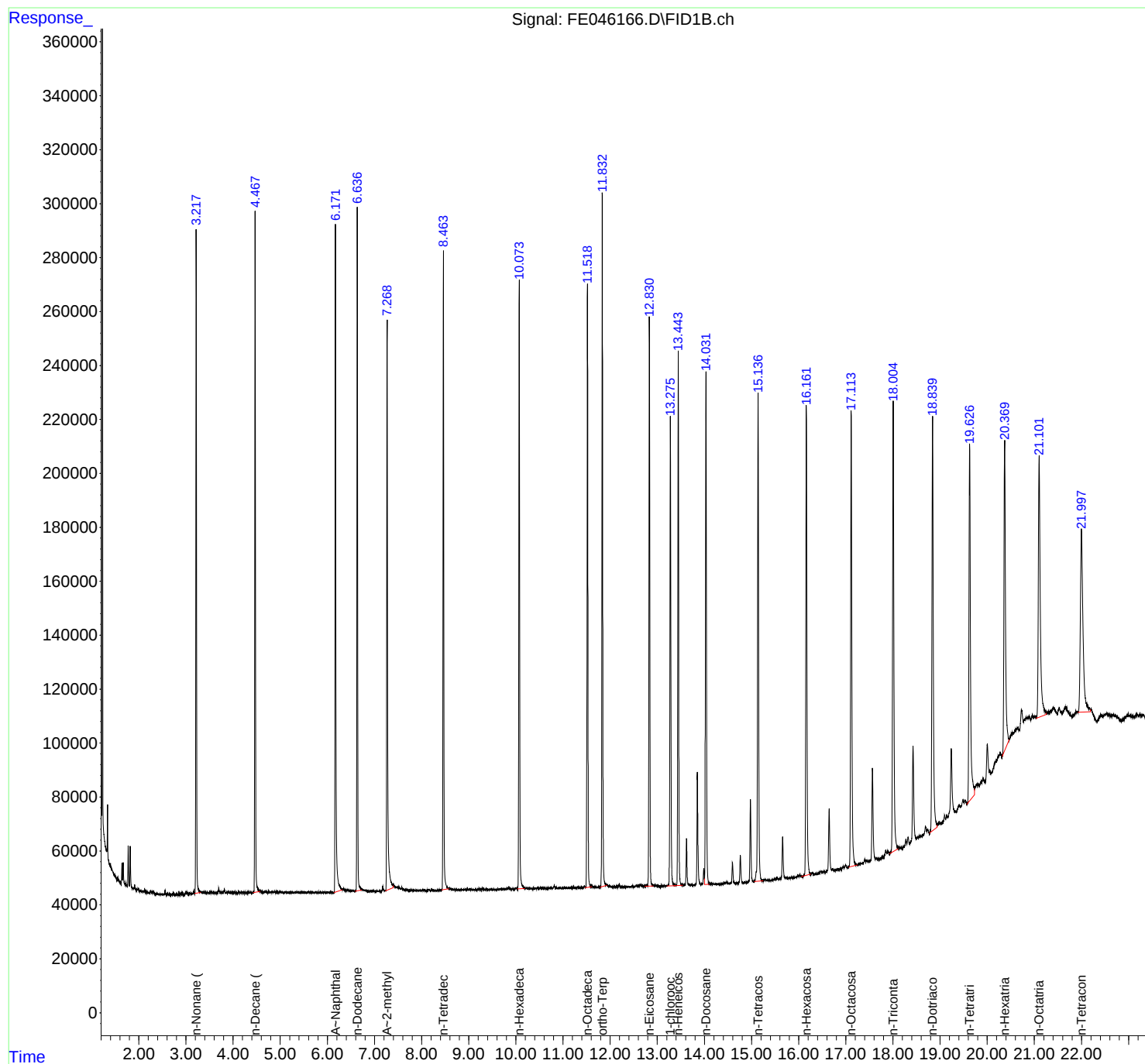
Instrument :
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20 PPM ALIPHATIC HC STD

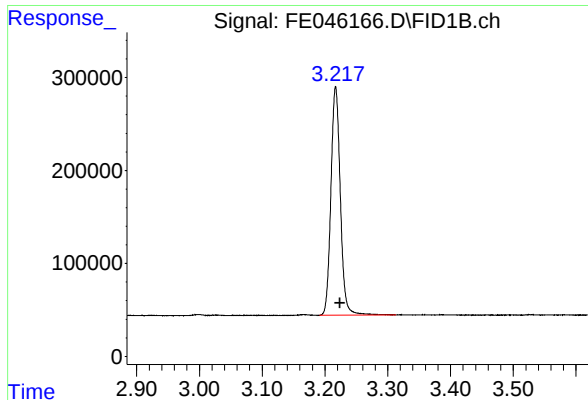
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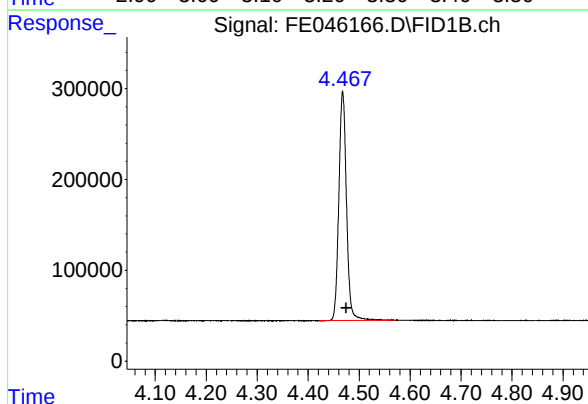
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.007 min
Response: 2563737
Conc: 16.75 ug/ml

Instrument :
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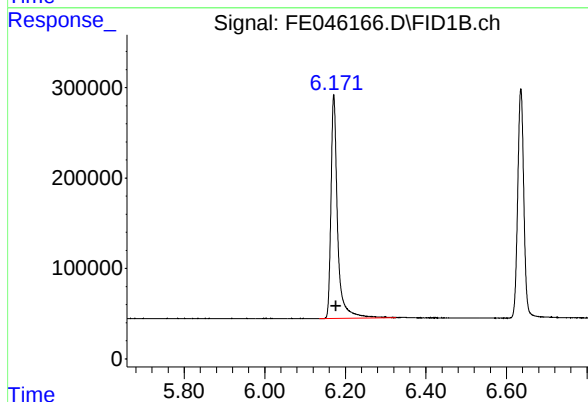
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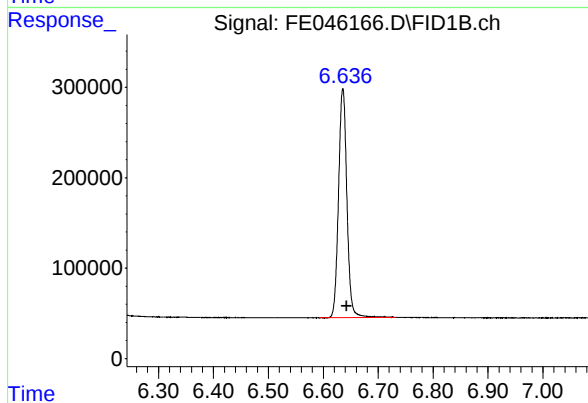
#2 n-Decane (C10)

R.T.: 4.468 min
Delta R.T.: -0.007 min
Response: 2635846
Conc: 16.98 ug/ml



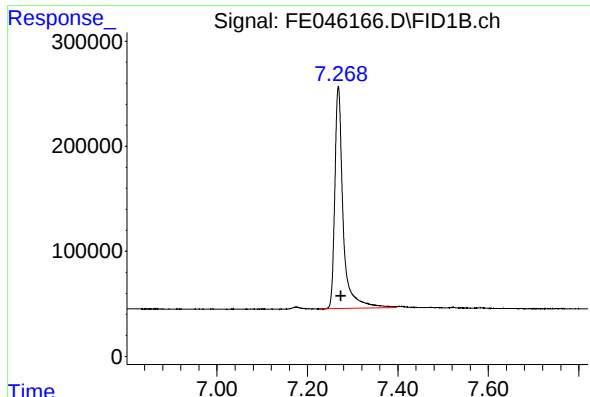
#3 A~Naphthalene (C11.7)

R.T.: 6.171 min
Delta R.T.: -0.006 min
Response: 2825335
Conc: 16.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.636 min
Delta R.T.: -0.007 min
Response: 2689342
Conc: 17.22 ug/ml



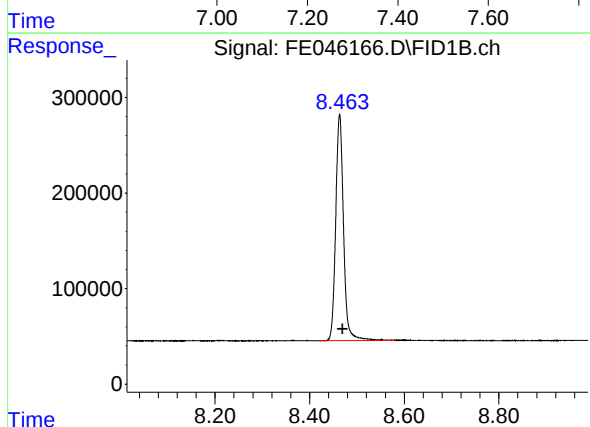
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.268 min
Delta R.T.: -0.005 min
Response: 2725720
Conc: 17.12 ug/ml

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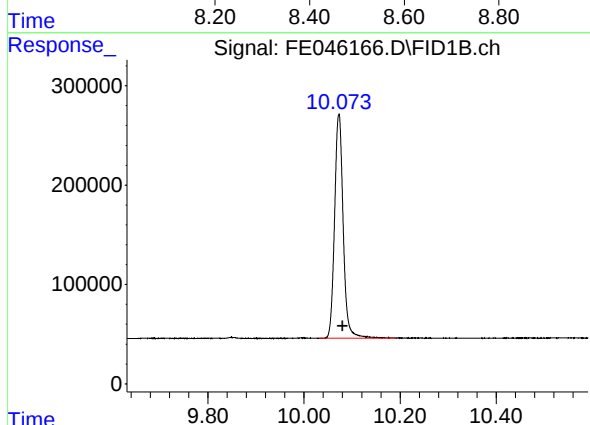
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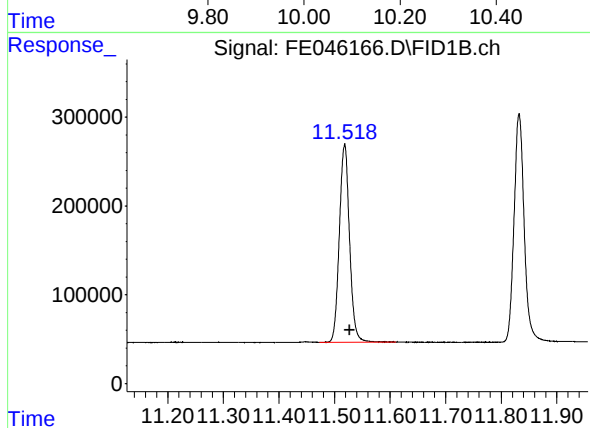
#6 n-Tetradecane (C14)

R.T.: 8.464 min
Delta R.T.: -0.006 min
Response: 2708553
Conc: 17.39 ug/ml



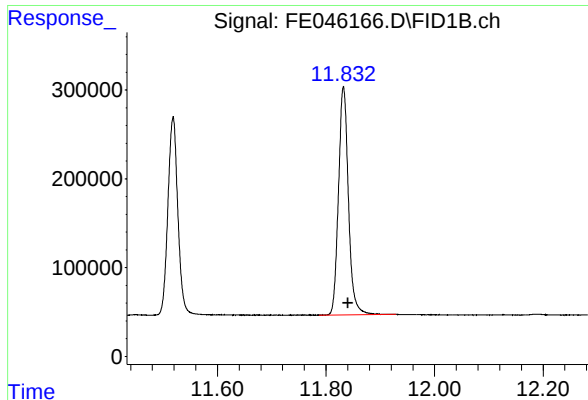
#7 n-Hexadecane (C16)

R.T.: 10.073 min
Delta R.T.: -0.008 min
Response: 2810370
Conc: 17.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.518 min
Delta R.T.: -0.008 min
Response: 2838178
Conc: 18.03 ug/ml



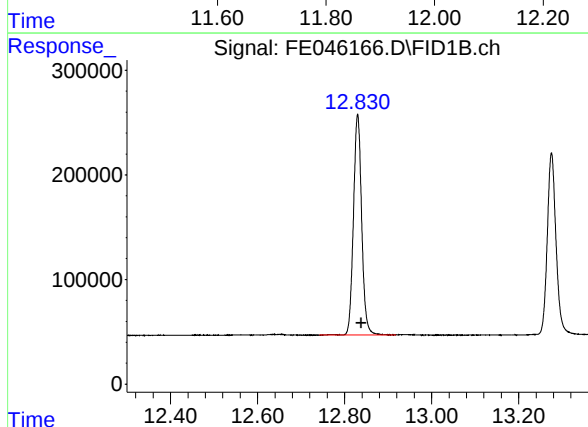
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.008 min
Response: 3258057
Conc: 17.93 ug/ml

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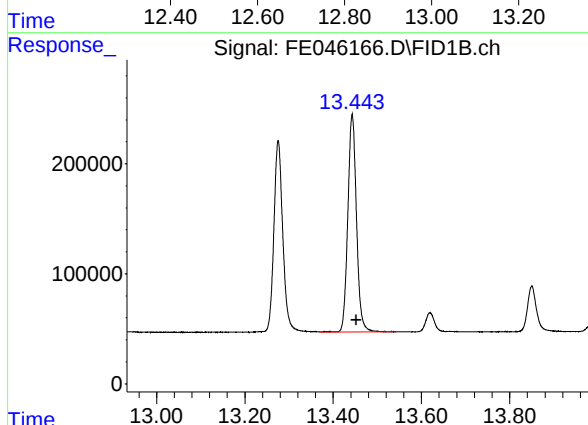
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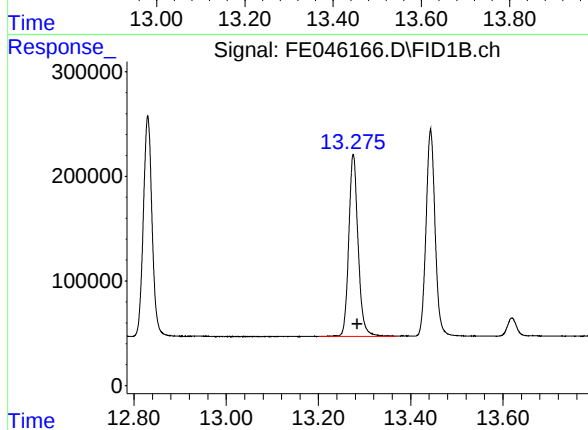
#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.009 min
Response: 2768743
Conc: 18.30 ug/ml



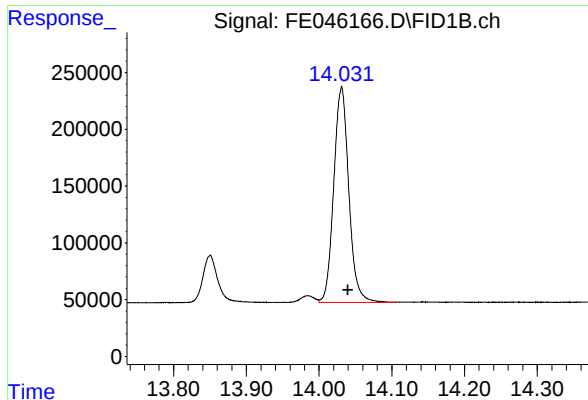
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.009 min
Response: 2696265
Conc: 18.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.276 min
Delta R.T.: -0.009 min
Response: 2447455
Conc: 18.32 ug/ml



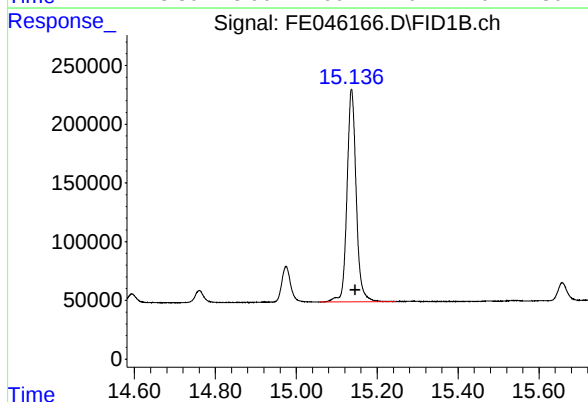
#13 n-Docosane (C22)

R.T.: 14.031 min
Delta R.T.: -0.008 min
Response: 2722859
Conc: 18.63 ug/ml

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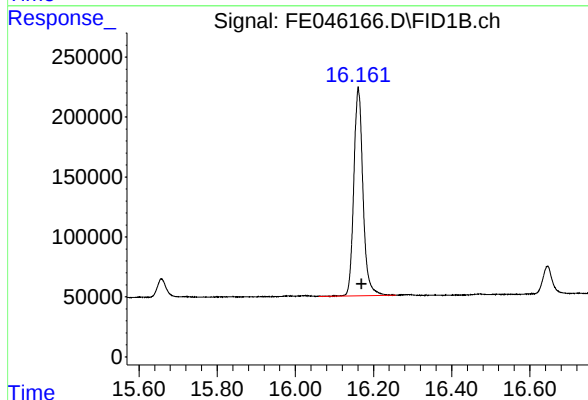
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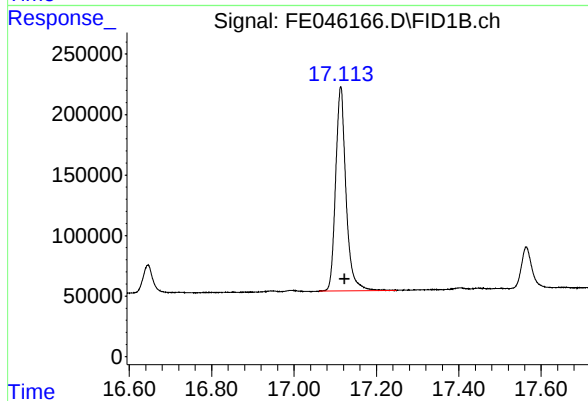
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.009 min
Response: 2857358
Conc: 19.70 ug/ml



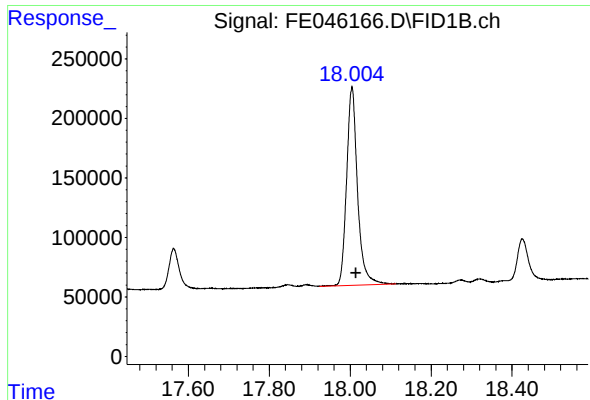
#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: -0.009 min
Response: 2831660
Conc: 19.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.009 min
Response: 2952073
Conc: 20.58 ug/ml



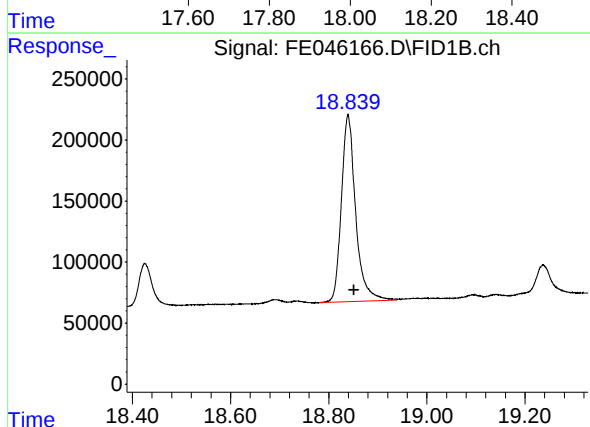
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: -0.009 min
Response: 3124398
Conc: 21.02 ug/ml

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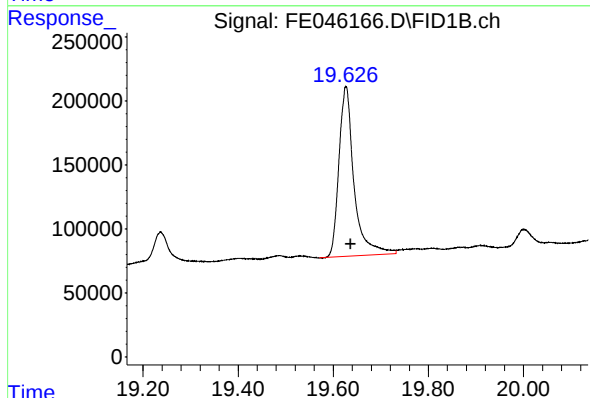
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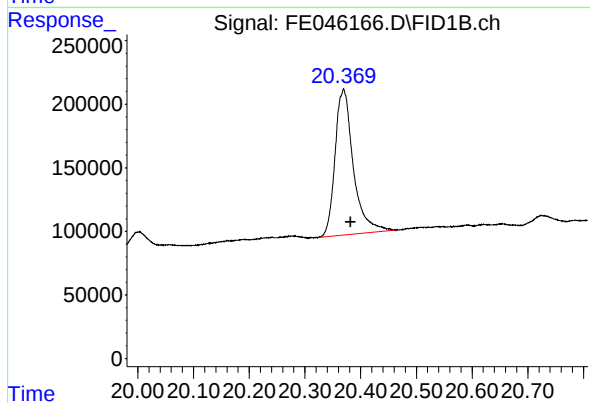
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.012 min
Response: 3098701
Conc: 20.72 ug/ml



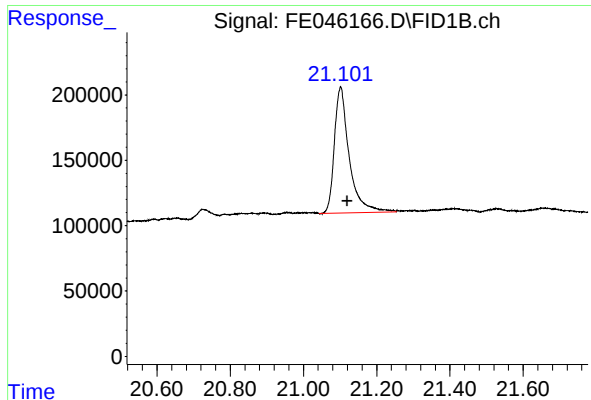
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.010 min
Response: 2914898
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.013 min
Response: 2609065
Conc: 17.89 ug/ml



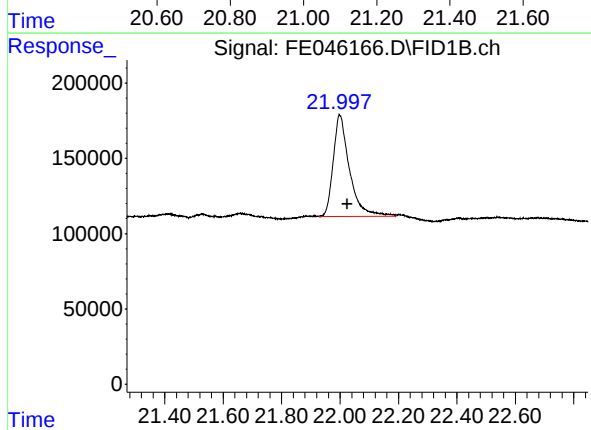
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.019 min
Response: 2717250
Conc: 18.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.028 min
Response: 2614963
Conc: 16.71 ug/ml m