

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036976.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 09:29
 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 08/10/2022
 Supervised By :Ankita Jodhani 08/11/2022

Integration File: sample.E
 Quant Time: Aug 10 11:16:21 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 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)	11.835	3544820	19.033 ug/ml
Spiked Amount 50.000		Recovery =	38.07%
12) S 1-chlorooctadecane (S...	13.275	2777760	18.257 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.222	3256289	21.123 ug/ml
2) T n-Decane (C10)	4.476	3324708	21.568 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3609513	21.122 ug/ml
4) T n-Dodecane (C12)	6.645	3374587	21.486 ug/ml
5) T A~2-methylnaphthalene...	7.277	3586545	20.868 ug/ml
6) T n-Tetradecane (C14)	8.473	3392720	20.781 ug/ml
7) T n-Hexadecane (C16)	10.079	3319906	20.142 ug/ml
8) T n-Octadecane (C18)	11.522	3301129	19.424 ug/ml
10) T n-Eicosane (C20)	12.830	3181630	18.704 ug/ml
11) T n-Heneicosane (C21)	13.442	3146737	18.386 ug/ml
13) T n-Docosane (C22)	14.030	3100562	18.160 ug/ml
14) T n-Tetracosane (C24)	15.133	3044422	17.860 ug/ml
15) T n-Hexacosane (C26)	16.154	2935501	17.558 ug/ml
16) T n-Octacosane (C28)	17.105	2914043	17.842 ug/ml
17) T n-Tricontane (C30)	17.993	2869533	18.884 ug/ml
18) T n-Dotriacontane (C32)	18.828	2417488	20.101 ug/ml
19) T n-Tetratriacontane (C34)	19.611	1827813	21.949 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	1411510	24.039 ug/mlm
21) T n-Octatriacontane (C38)	21.081	1199862	23.931 ug/mlm
22) T n-Tetracontane (C40)	21.960	1214997	23.527 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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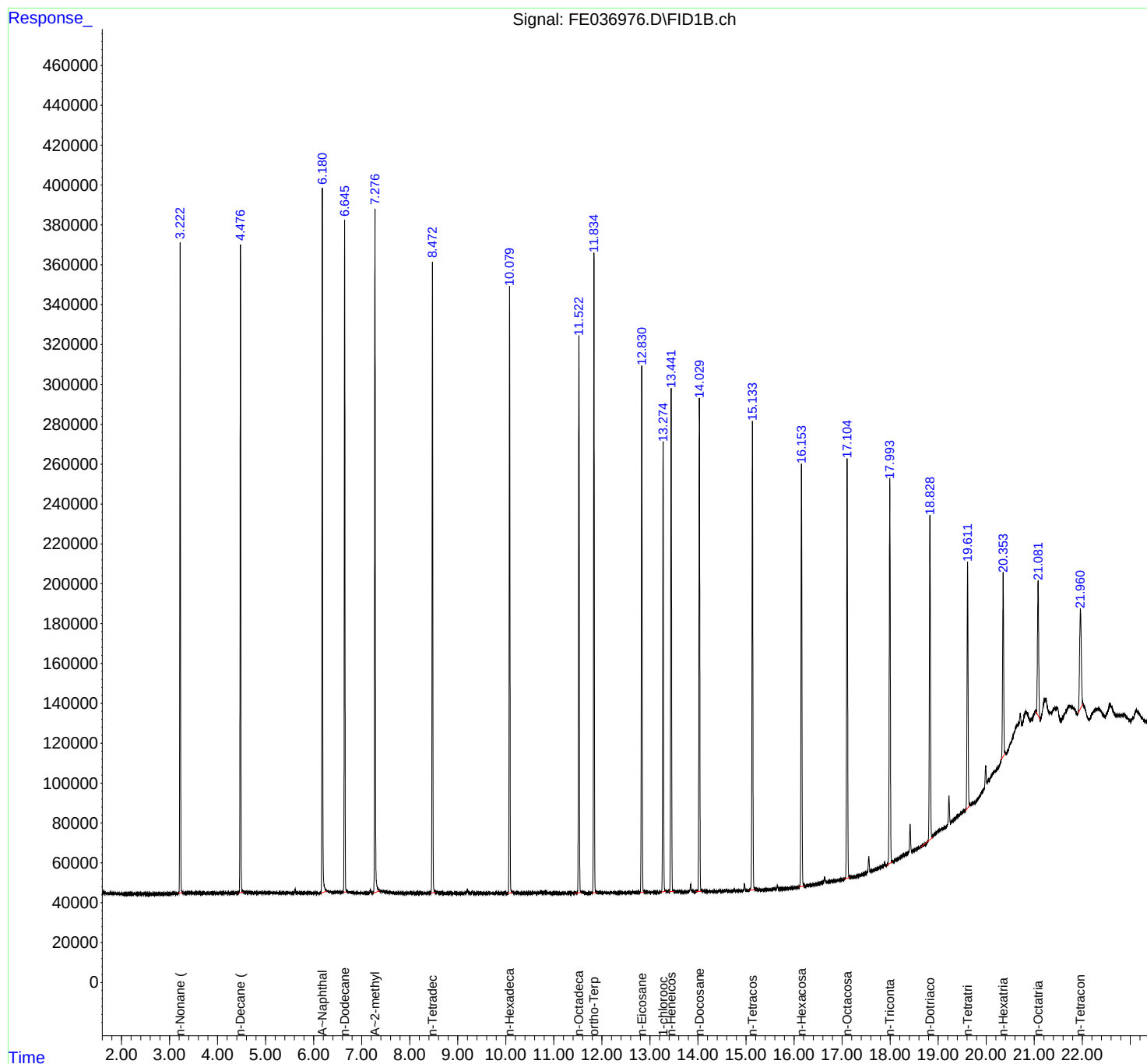
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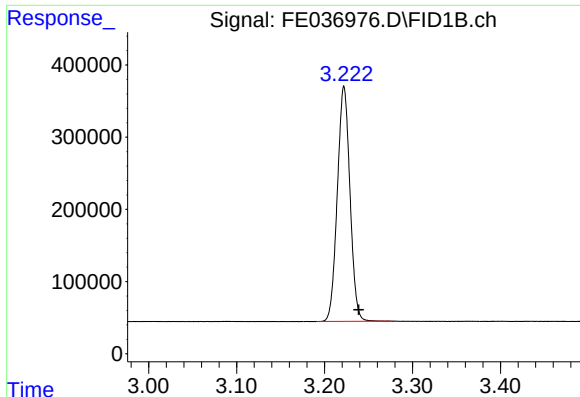
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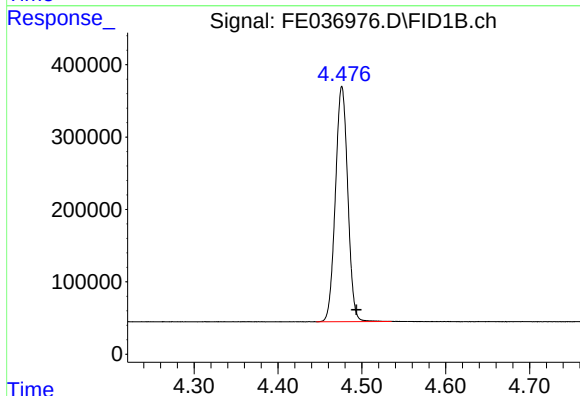
#1 n-Nonane (C9)

R.T.: 3.222 min
Delta R.T.: -0.017 min
Response: 3256289
Conc: 21.12 ug/ml

Instrument :
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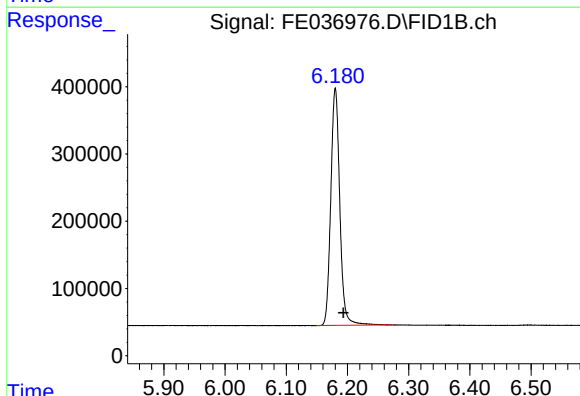
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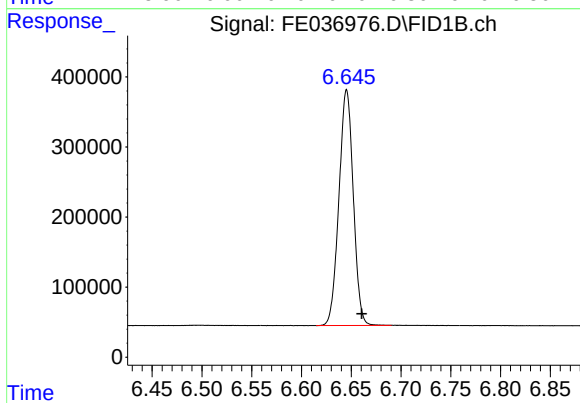
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.017 min
Response: 3324708
Conc: 21.57 ug/ml



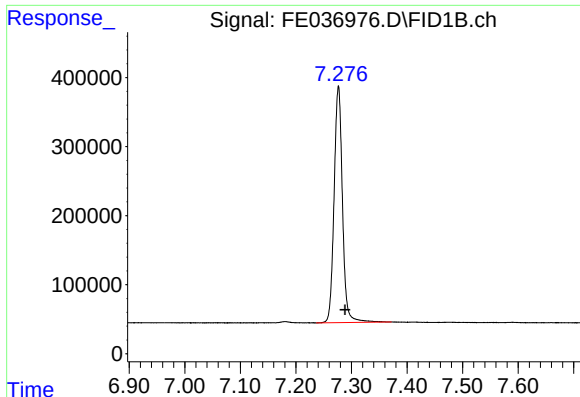
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.013 min
Response: 3609513
Conc: 21.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.645 min
Delta R.T.: -0.015 min
Response: 3374587
Conc: 21.49 ug/ml



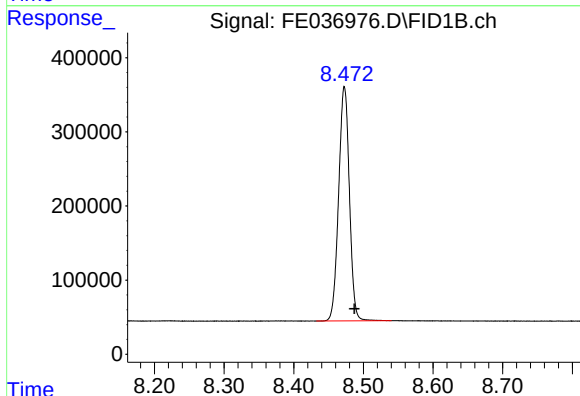
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.012 min
Response: 3586545
Conc: 20.87 ug/ml

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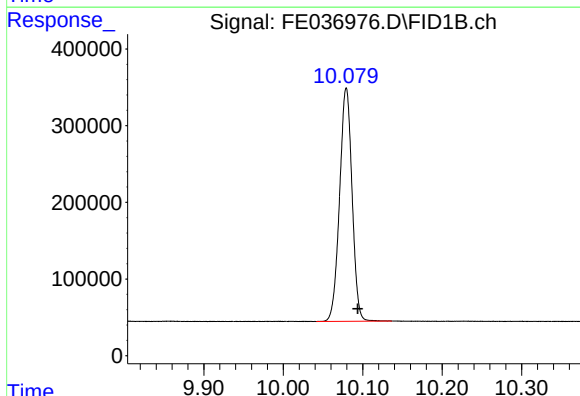
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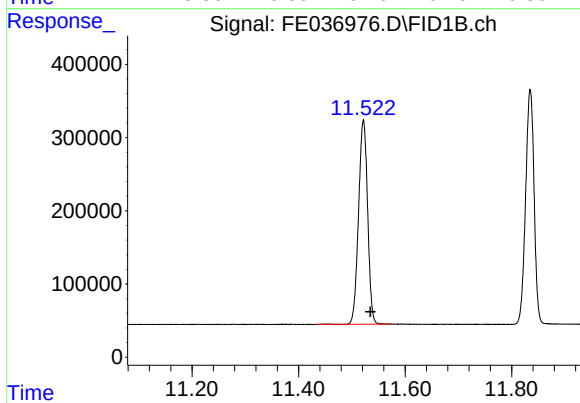
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.015 min
Response: 3392720
Conc: 20.78 ug/ml



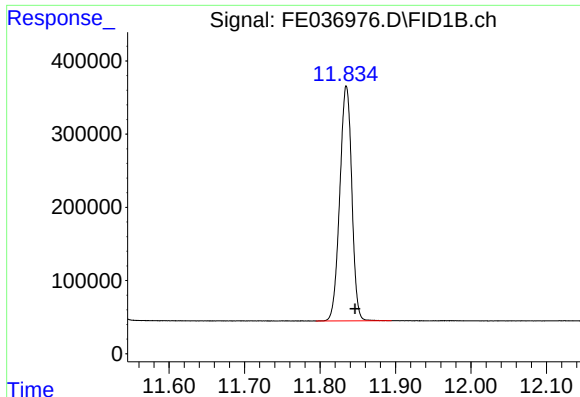
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.014 min
Response: 3319906
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.522 min
Delta R.T.: -0.013 min
Response: 3301129
Conc: 19.42 ug/ml



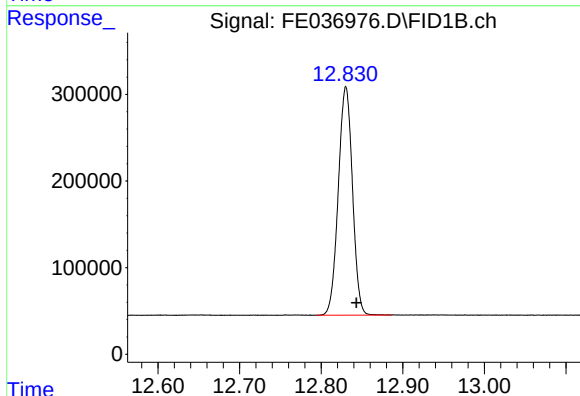
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.012 min
Response: 3544820
Conc: 19.03 ug/ml

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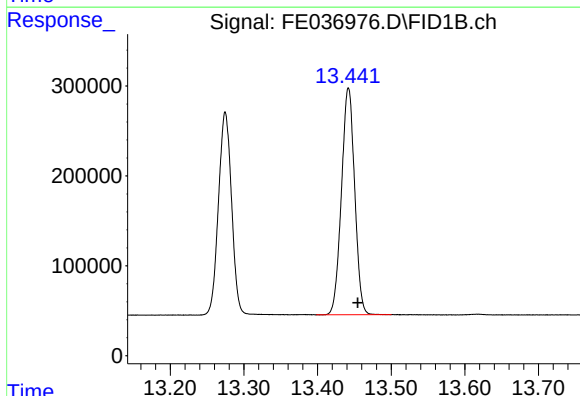
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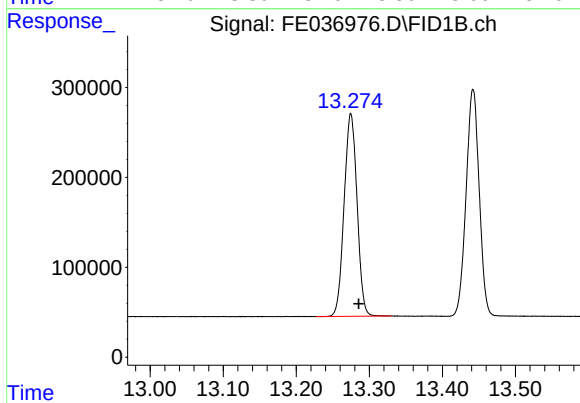
#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.013 min
Response: 3181630
Conc: 18.70 ug/ml



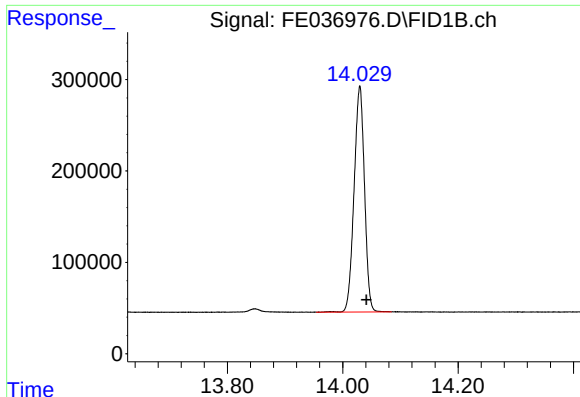
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.013 min
Response: 3146737
Conc: 18.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.011 min
Response: 2777760
Conc: 18.26 ug/ml



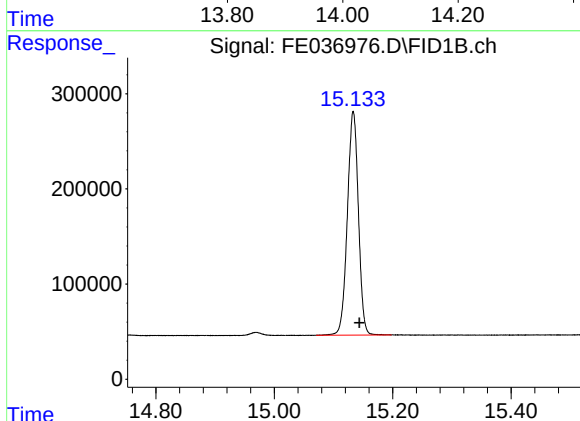
#13 n-Docosane (C22)

R.T.: 14.030 min
Delta R.T.: -0.011 min
Response: 3100562
Conc: 18.16 ug/ml

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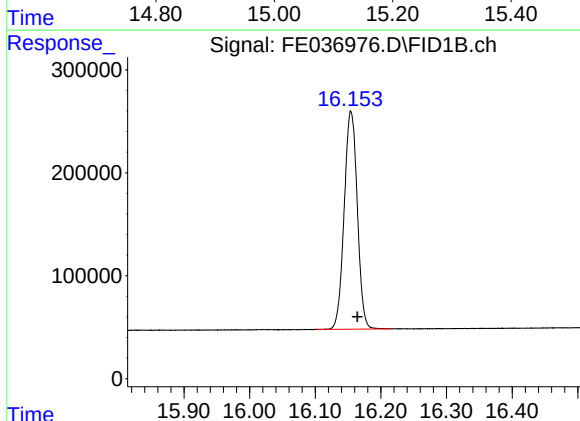
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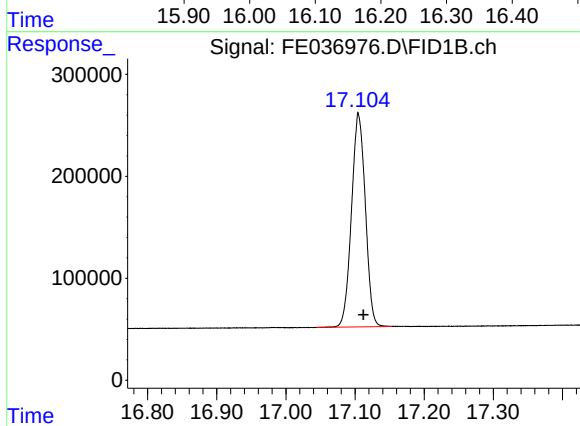
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.010 min
Response: 3044422
Conc: 17.86 ug/ml



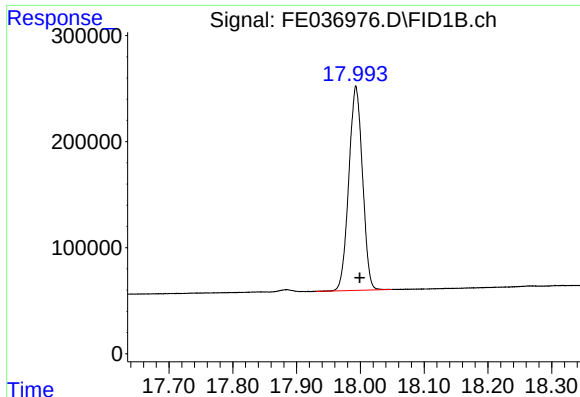
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.010 min
Response: 2935501
Conc: 17.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.007 min
Response: 2914043
Conc: 17.84 ug/ml



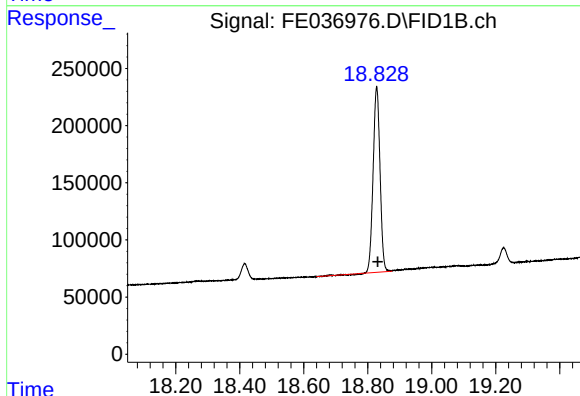
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.006 min
Response: 2869533
Conc: 18.88 ug/ml

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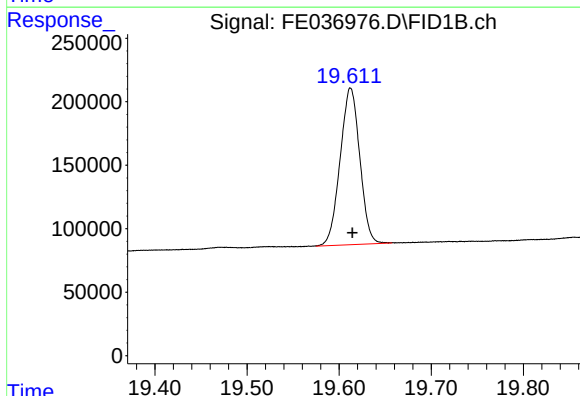
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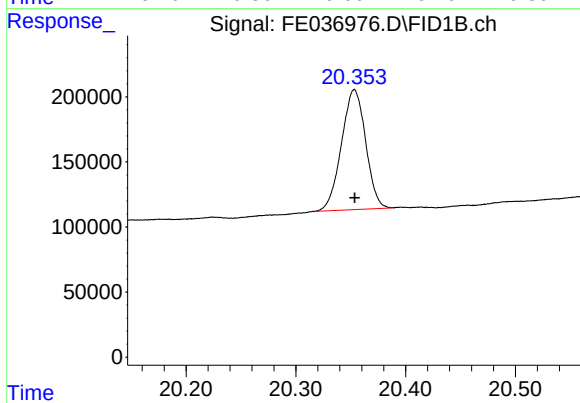
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.004 min
Response: 2417488
Conc: 20.10 ug/ml



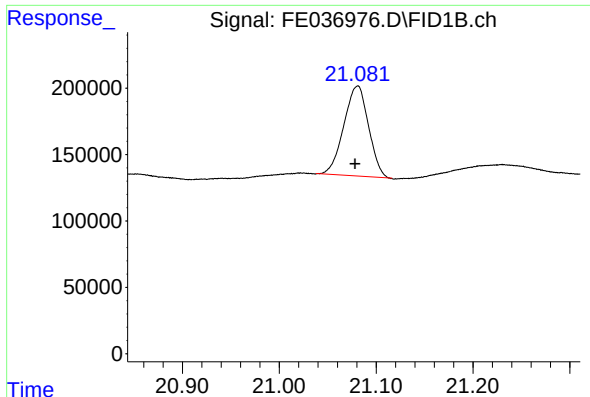
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.003 min
Response: 1827813
Conc: 21.95 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: 0.000 min
Response: 1411510
Conc: 24.04 ug/ml m



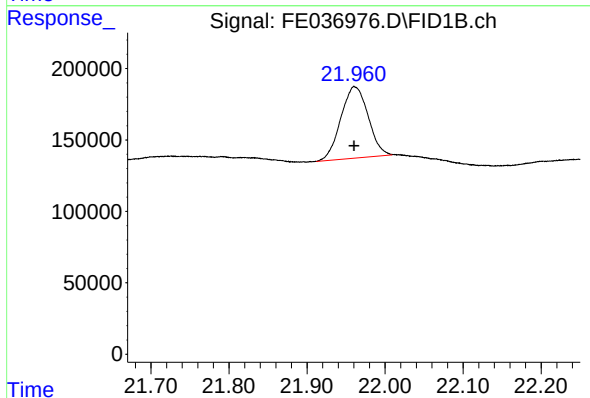
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: 0.003 min
Response: 1199862
Conc: 23.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: 0.000 min
Response: 1214997
Conc: 23.53 ug/ml m