

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062922AL\
 Data File : FE036295.D
 Signal(s) : FID1B.ch
 Acq On : 29 Jun 2022 18:50
 Operator : YP\AJ
 Sample : N3214-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2022
 Supervised By :Ankita Jodhani 06/30/2022

Integration File: autoint1.e
 Quant Time: Jun 30 10:08:08 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062022.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 21 03:08:45 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			
12) S 1-chlorooctadecane (S...	13.311	3897068	25.172 ug/ml
Spiked Amount 50.000		Recovery =	50.34%
Target Compounds			
1) T n-Nonane (C9)	3.263	266570	1.482 ug/ml
2) T n-Decane (C10)	4.518	325884	1.813 ug/ml
4) T n-Dodecane (C12)	6.685	533470	2.880 ug/ml
6) T n-Tetradecane (C14)	8.511	416418	2.227 ug/ml
7) T n-Hexadecane (C16)	10.116	383624	2.048 ug/ml
8) T n-Octadecane (C18)	11.557	398551	2.142 ug/ml
10) T n-Eicosane (C20)	12.865	388999	2.147 ug/ml
11) T n-Heneicosane (C21)	13.476	383384	2.134 ug/ml
13) T n-Docosane (C22)	14.064	377804	2.137 ug/ml
14) T n-Tetracosane (C24)	15.165	379069	2.213 ug/ml
15) T n-Hexacosane (C26)	16.184	361413	2.187 ug/ml
16) T n-Octacosane (C28)	17.134	348384	2.176 ug/ml
17) T n-Tricontane (C30)	18.022	346886	2.241 ug/ml
18) T n-Dotriacontane (C32)	18.853	349152	2.389 ug/ml
19) T n-Tetratriacontane (C34)	19.638	342787	2.477 ug/ml
20) T n-Hexatriacontane (C36)	20.378	344021	2.563 ug/ml
21) T n-Octatriacontane (C38)	21.107	315641	2.373 ug/mlm
22) T n-Tetracontane (C40)	21.998	395702	2.830 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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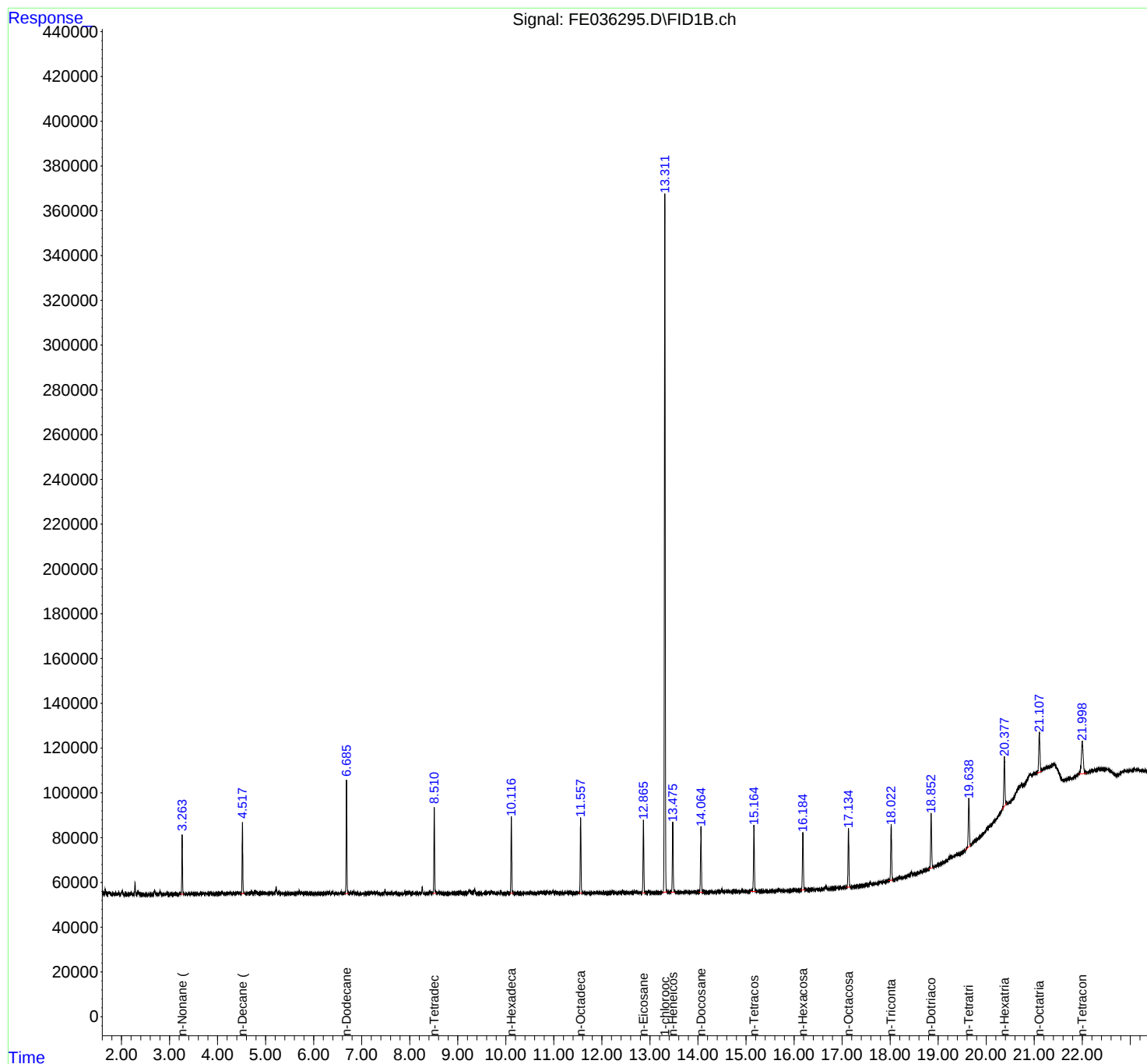
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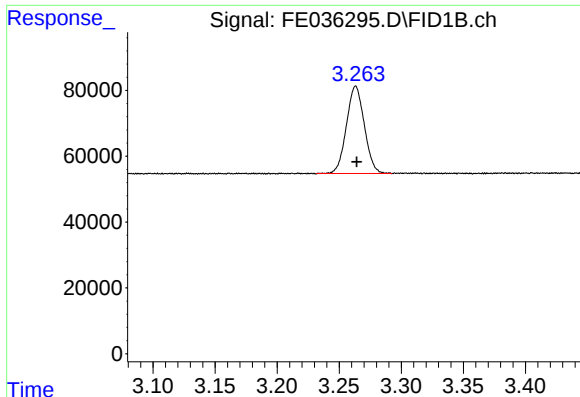
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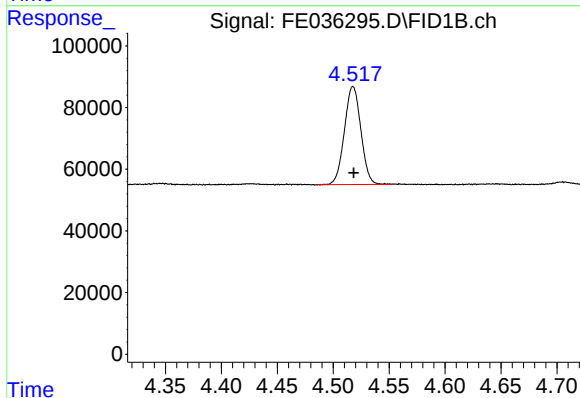
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: 0.000 min
Response: 266570
Conc: 1.48 ug/ml

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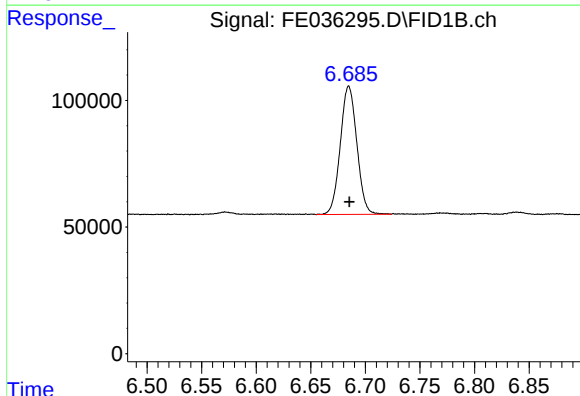
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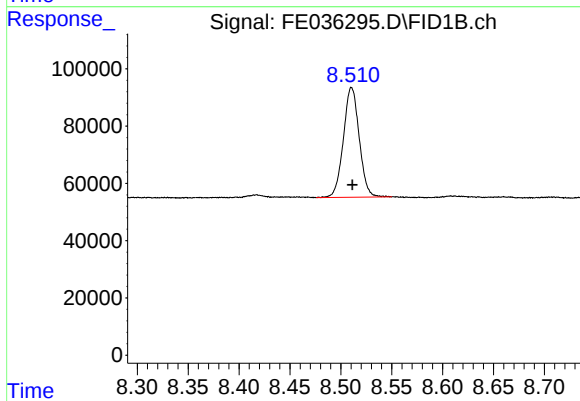
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: 0.000 min
Response: 325884
Conc: 1.81 ug/ml



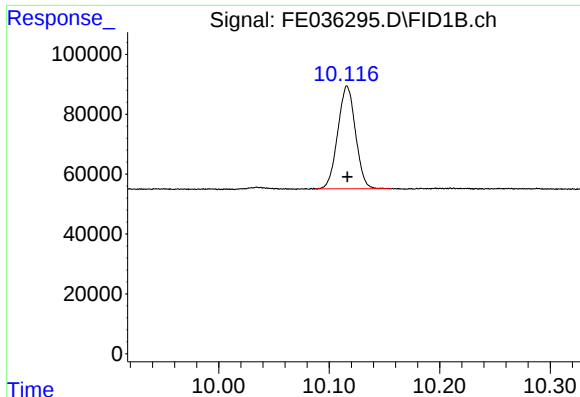
#4 n-Dodecane (C12)

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 533470
Conc: 2.88 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 416418
Conc: 2.23 ug/ml



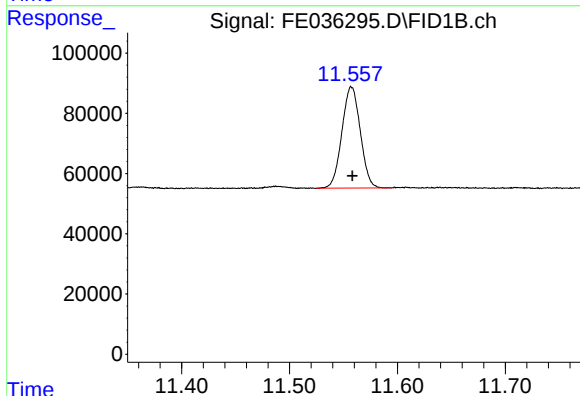
#7 n-Hexadecane (C16)

R.T.: 10.116 min
Delta R.T.: 0.000 min
Response: 383624
Conc: 2.05 ug/ml

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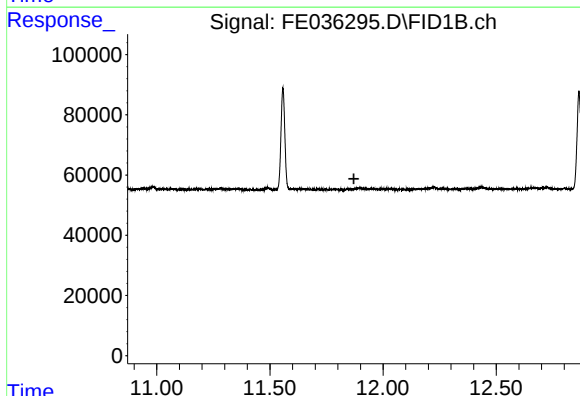
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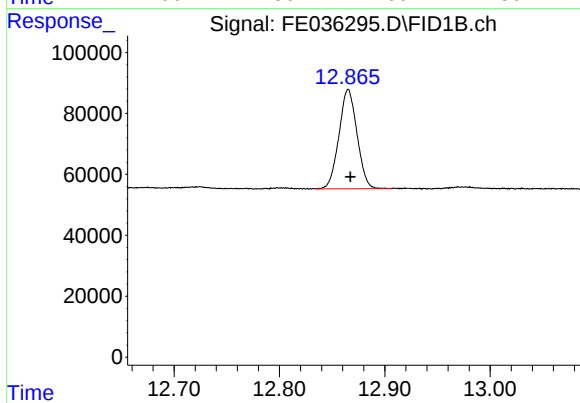
#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: 0.000 min
Response: 398551
Conc: 2.14 ug/ml



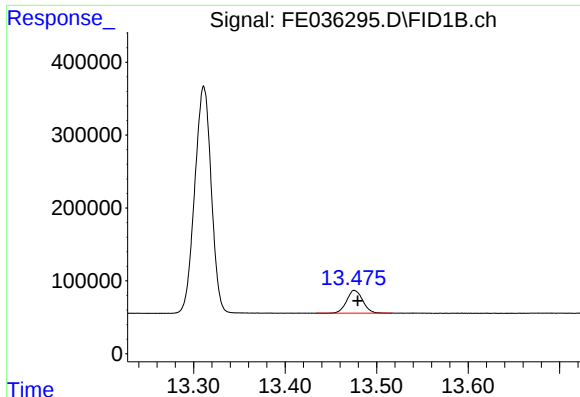
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.871 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.002 min
Response: 388999
Conc: 2.15 ug/ml



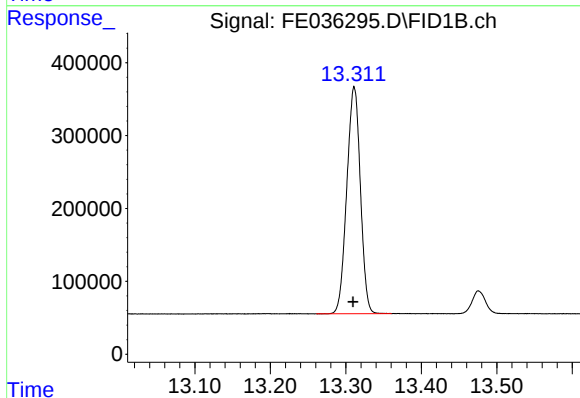
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.004 min
Response: 383384
Conc: 2.13 ug/ml

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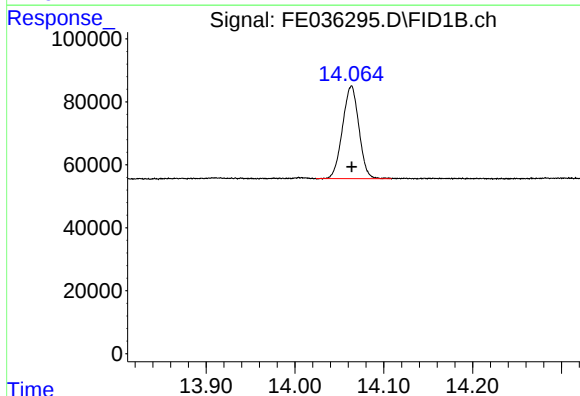
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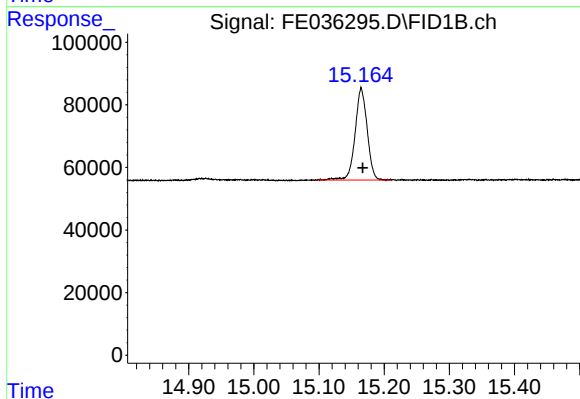
#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: 0.001 min
Response: 3897068
Conc: 25.17 ug/ml



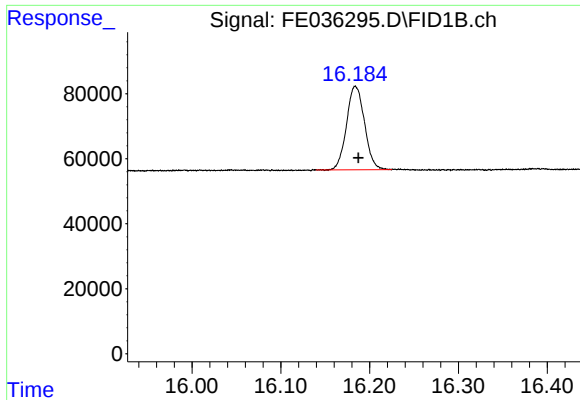
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: 0.000 min
Response: 377804
Conc: 2.14 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.002 min
Response: 379069
Conc: 2.21 ug/ml



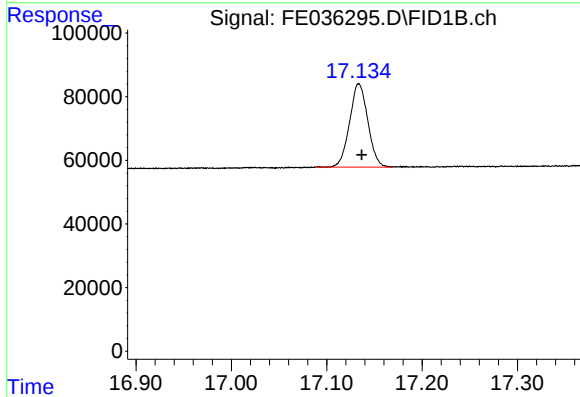
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: -0.003 min
Response: 361413
Conc: 2.19 ug/ml

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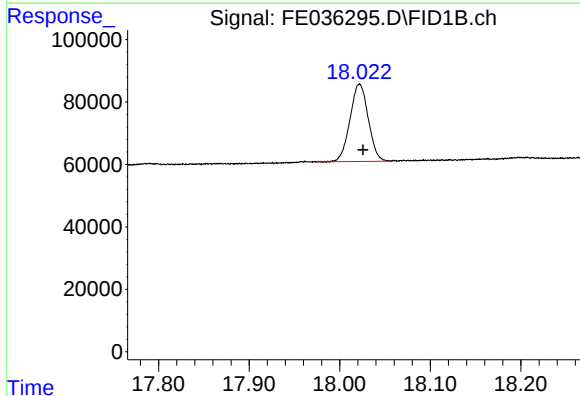
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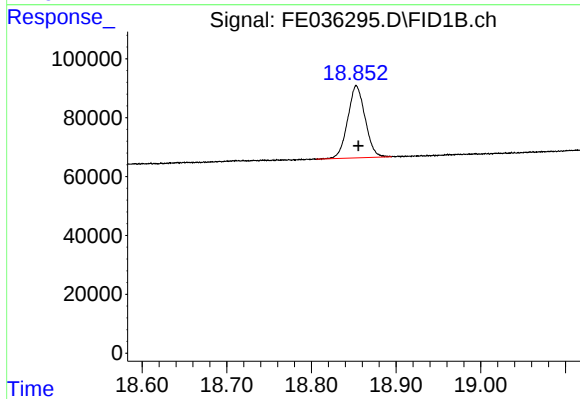
#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.003 min
Response: 348384
Conc: 2.18 ug/ml



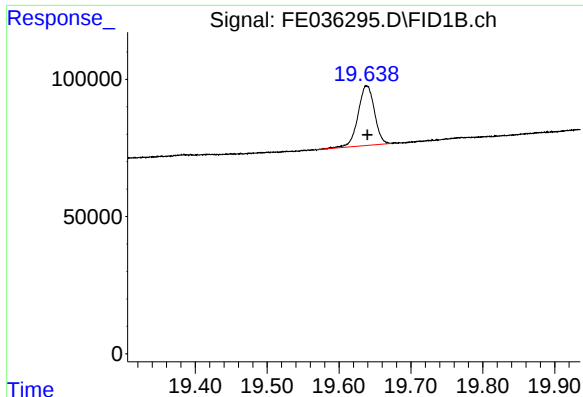
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.004 min
Response: 346886
Conc: 2.24 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: -0.002 min
Response: 349152
Conc: 2.39 ug/ml



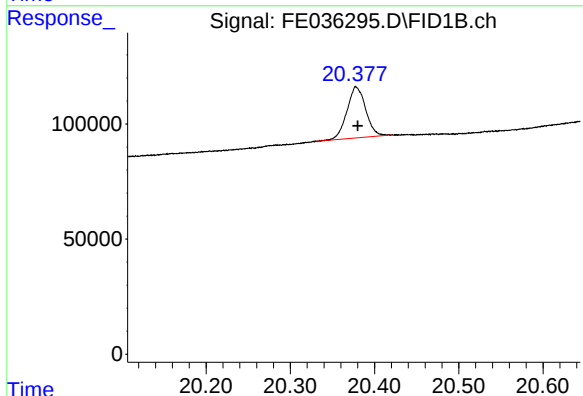
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: -0.001 min
Response: 342787
Conc: 2.48 ug/ml

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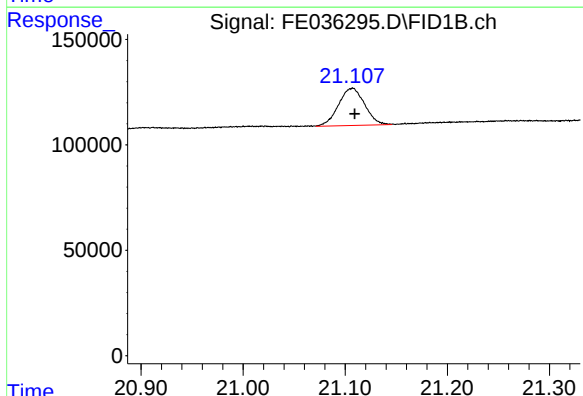
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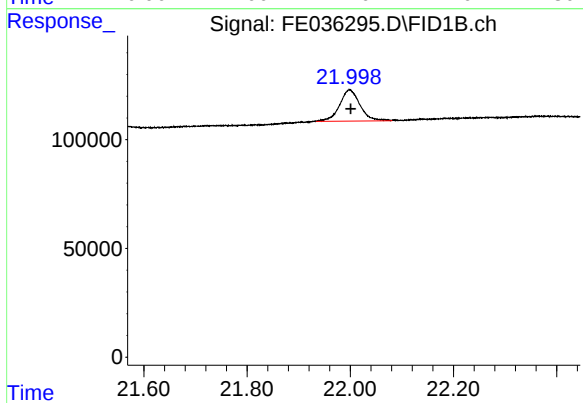
#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.002 min
Response: 344021
Conc: 2.56 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.107 min
Delta R.T.: -0.002 min
Response: 315641
Conc: 2.37 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: -0.004 min
Response: 395702
Conc: 2.83 ug/ml m