

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036983.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 14:13
 Operator : YP\AJ
 Sample : N3980-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

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 14:37:36 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			
12) S 1-chlorooctadecane (S...	13.271	3577239	23.512 ug/ml
Spiked Amount 50.000		Recovery =	47.02%
Target Compounds			
1) T n-Nonane (C9)	3.216	212538	1.379 ug/ml
2) T n-Decane (C10)	4.470	267080	1.733 ug/ml
4) T n-Dodecane (C12)	6.640	349898	2.228 ug/ml
6) T n-Tetradecane (C14)	8.467	324355	1.987 ug/ml
7) T n-Hexadecane (C16)	10.073	305066	1.851 ug/ml
8) T n-Octadecane (C18)	11.515	330538	1.945 ug/ml
10) T n-Eicosane (C20)	12.824	331933	1.951 ug/ml
11) T n-Heneicosane (C21)	13.438	329691	1.926 ug/ml
13) T n-Docosane (C22)	14.024	323442	1.894 ug/ml
14) T n-Tetracosane (C24)	15.129	374303	2.196 ug/ml
15) T n-Hexacosane (C26)	16.151	311882	1.865 ug/ml
16) T n-Octacosane (C28)	17.100	311282	1.906 ug/ml
17) T n-Tricontane (C30)	17.991	322972	2.125 ug/ml
18) T n-Dotriacontane (C32)	18.824	330533	2.748 ug/ml
19) T n-Tetratriacontane (C34)	19.607	318720	3.827 ug/mlm
20) T n-Hexatriacontane (C36)	20.350	302127	5.145 ug/mlm
21) T n-Octatriacontane (C38)	21.074	306754	6.118 ug/mlm
22) T n-Tetracontane (C40)	21.954	325018	6.294 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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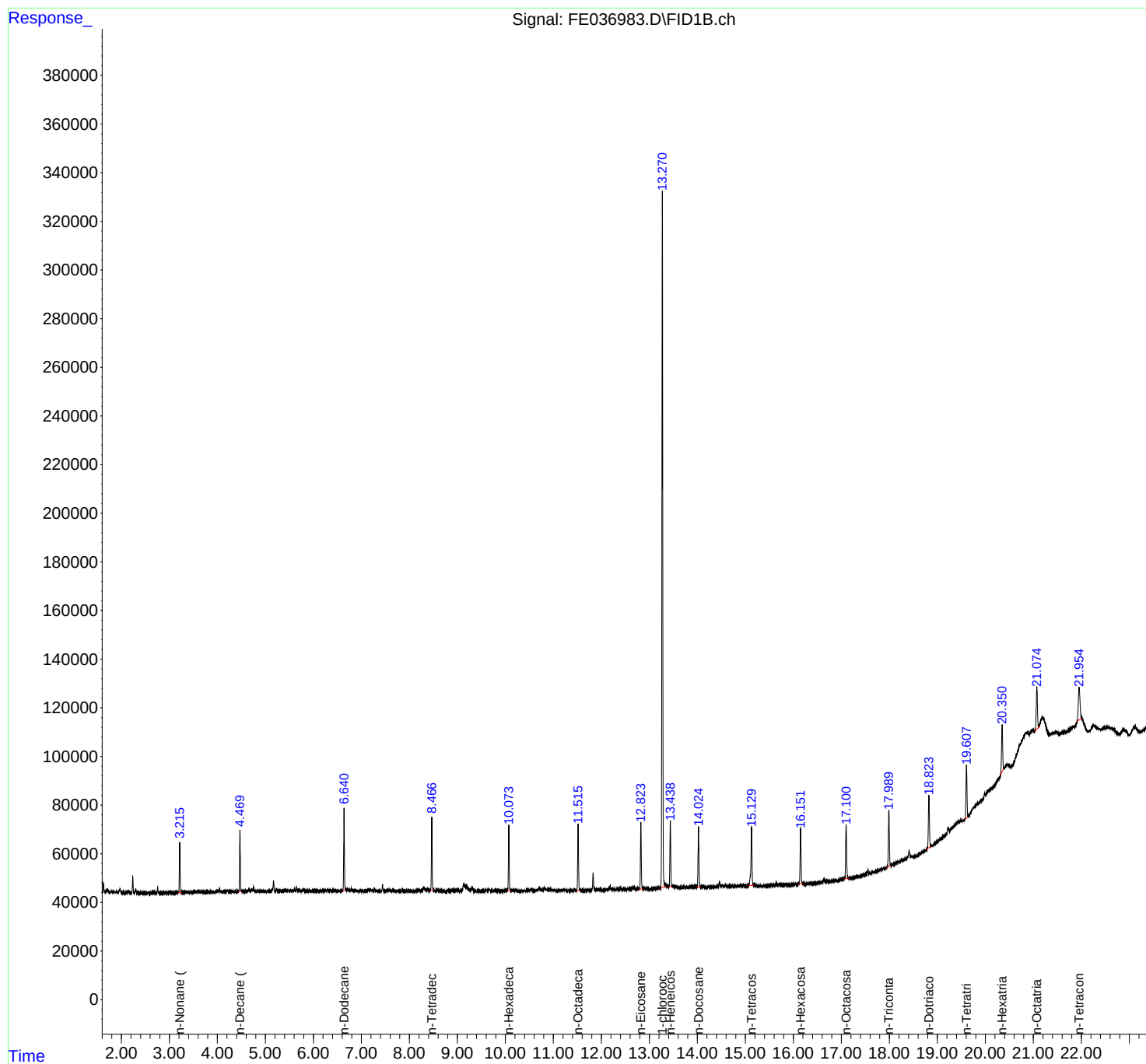
Instrument :
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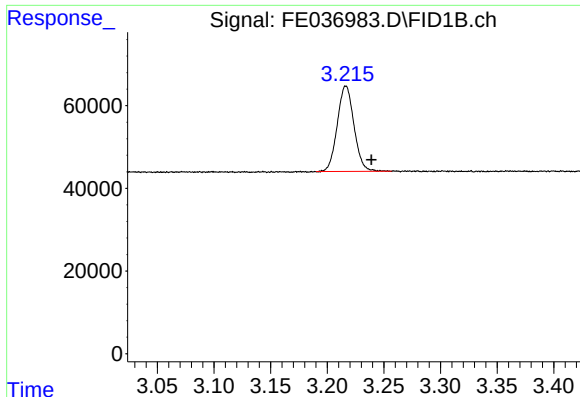
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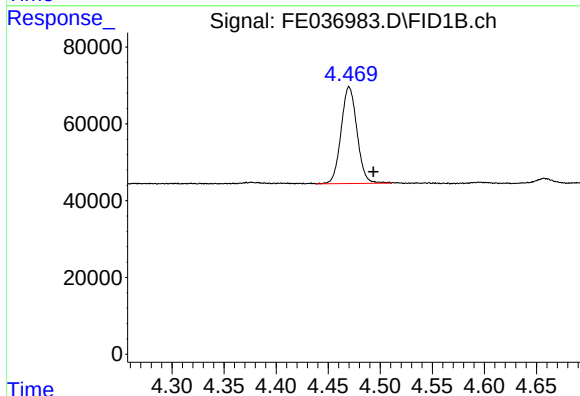
#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.022 min
Response: 212538
Conc: 1.38 ug/ml

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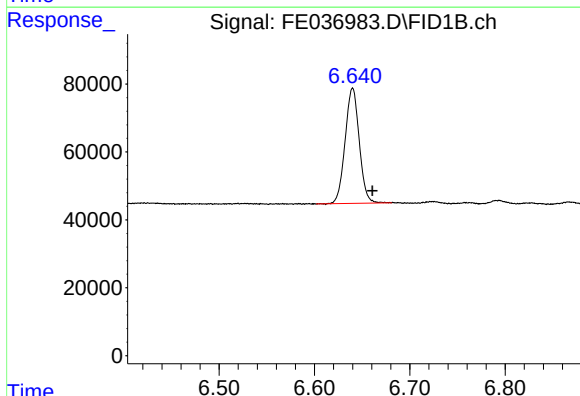
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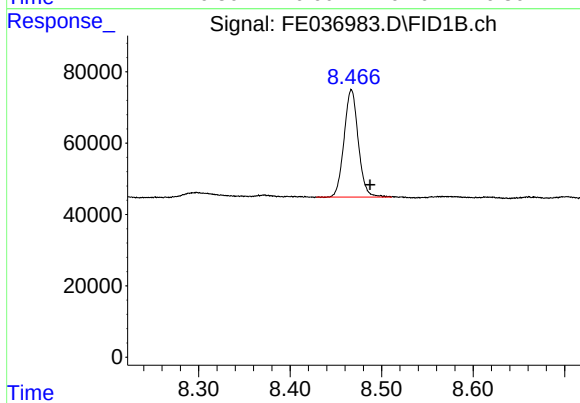
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.023 min
Response: 267080
Conc: 1.73 ug/ml



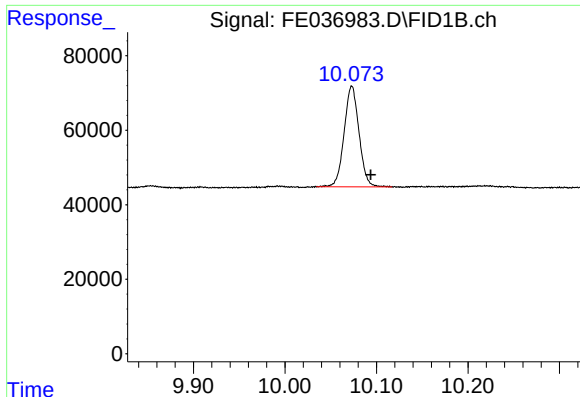
#4 n-Dodecane (C12)

R.T.: 6.640 min
Delta R.T.: -0.021 min
Response: 349898
Conc: 2.23 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: -0.020 min
Response: 324355
Conc: 1.99 ug/ml



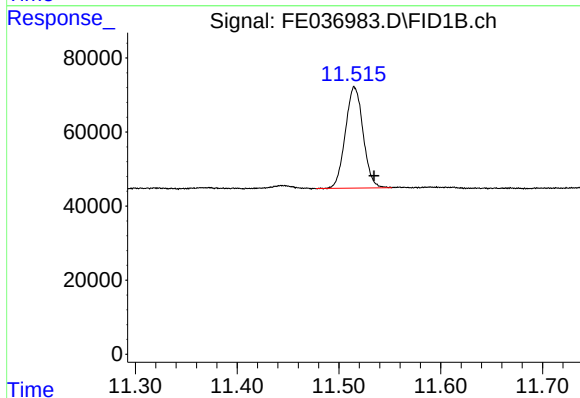
#7 n-Hexadecane (C16)

R.T.: 10.073 min
Delta R.T.: -0.021 min
Response: 305066
Conc: 1.85 ug/ml

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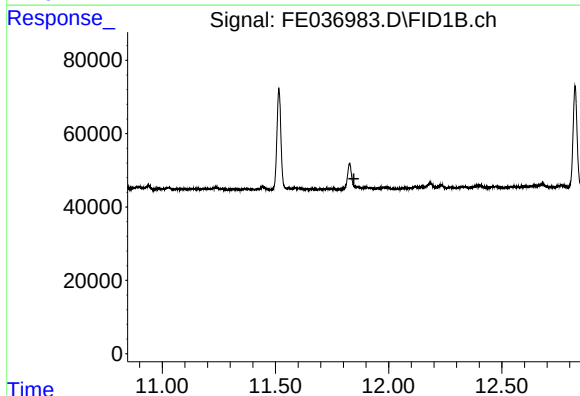
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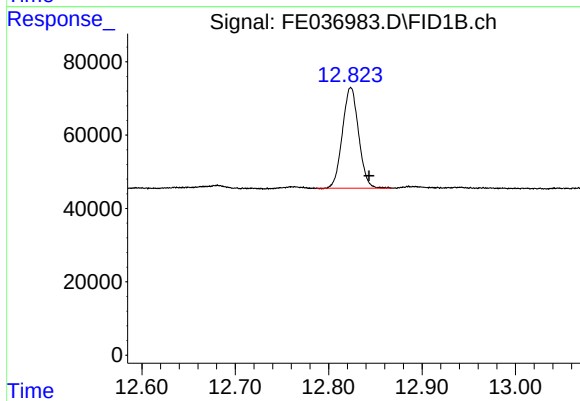
#8 n-Octadecane (C18)

R.T.: 11.515 min
Delta R.T.: -0.019 min
Response: 330538
Conc: 1.94 ug/ml



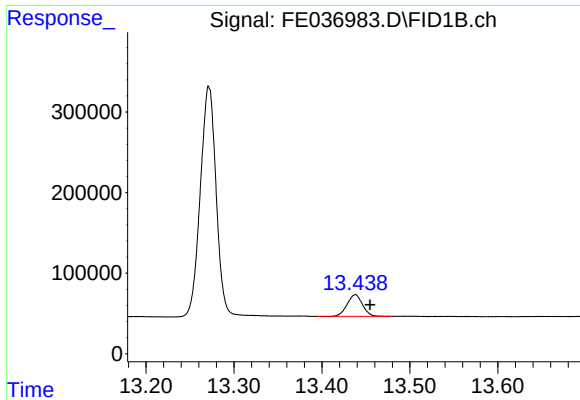
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.846 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.019 min
Response: 331933
Conc: 1.95 ug/ml



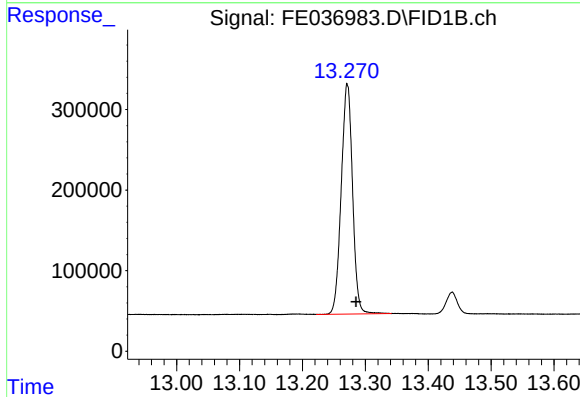
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.017 min
Response: 329691
Conc: 1.93 ug/ml

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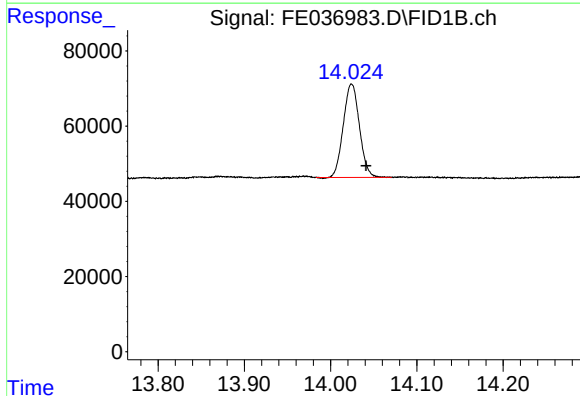
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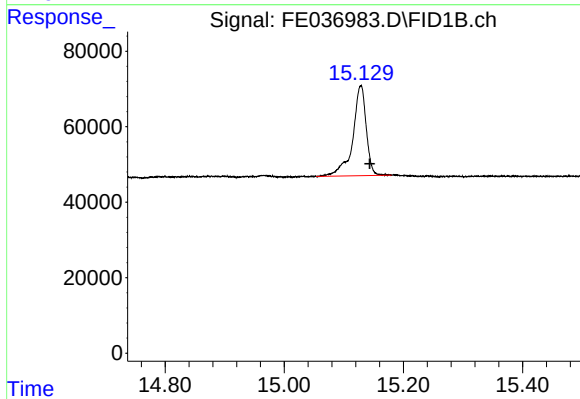
#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.014 min
Response: 3577239
Conc: 23.51 ug/ml



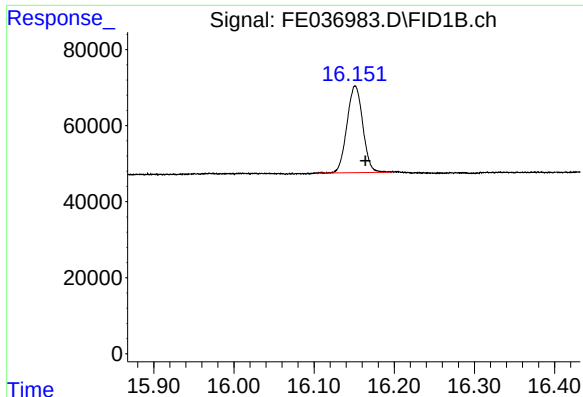
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.017 min
Response: 323442
Conc: 1.89 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.015 min
Response: 374303
Conc: 2.20 ug/ml



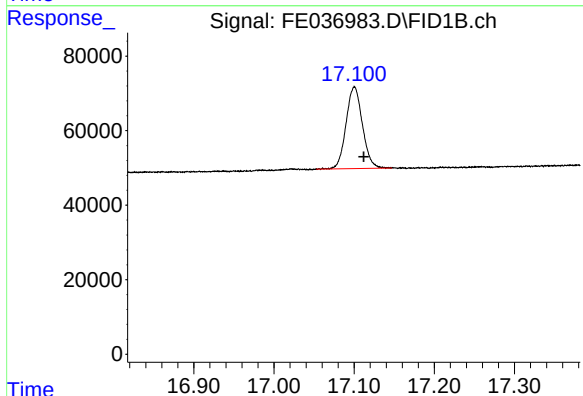
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.013 min
Response: 311882
Conc: 1.87 ug/ml

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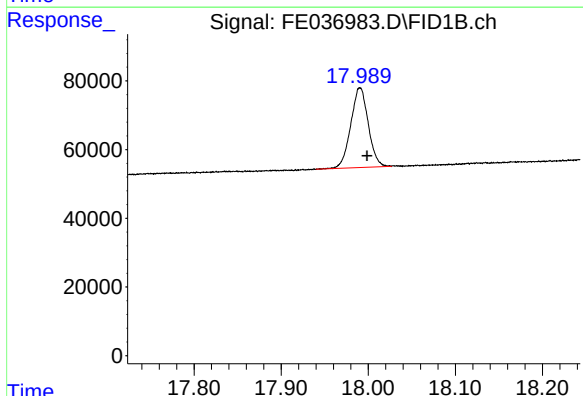
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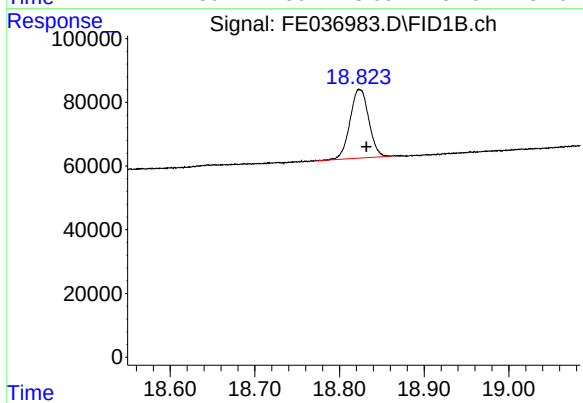
#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.012 min
Response: 311282
Conc: 1.91 ug/ml



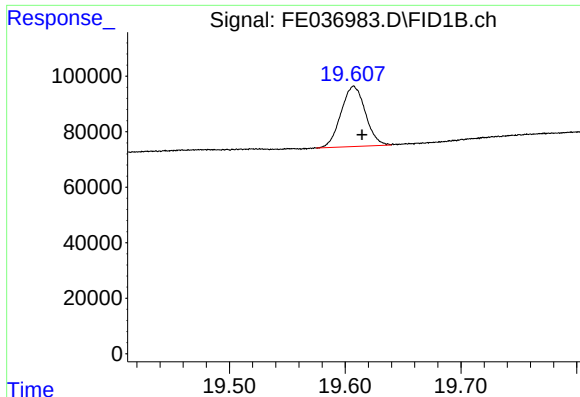
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.008 min
Response: 322972
Conc: 2.13 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.824 min
Delta R.T.: -0.008 min
Response: 330533
Conc: 2.75 ug/ml



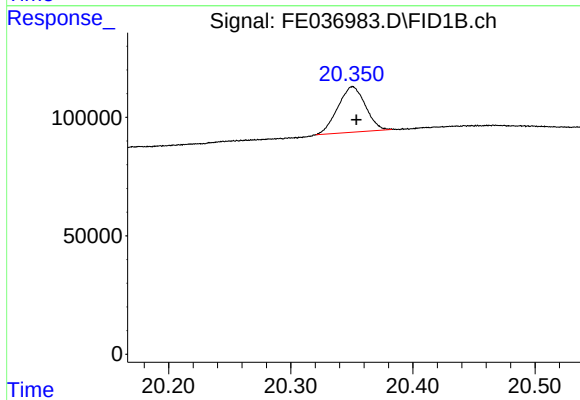
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.008 min
Response: 318720
Conc: 3.83 ug/ml

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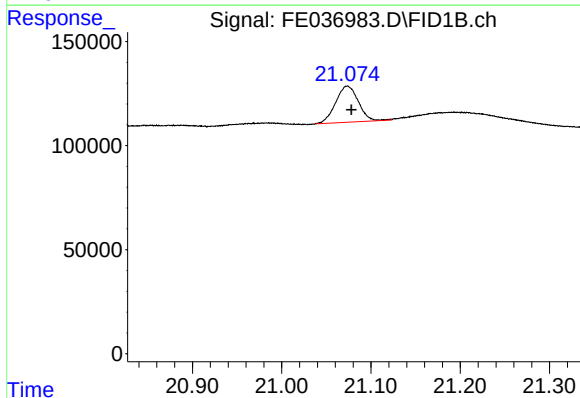
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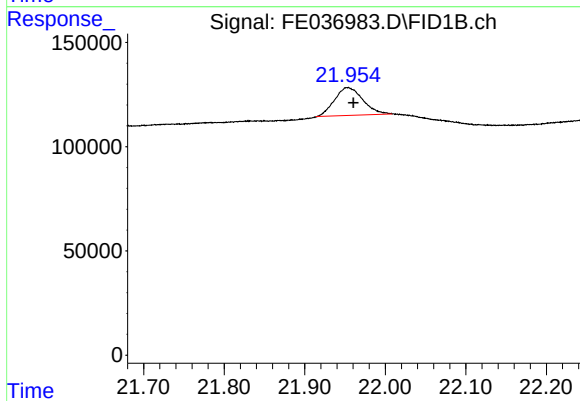
#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: -0.004 min
Response: 302127
Conc: 5.15 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.004 min
Response: 306754
Conc: 6.12 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.006 min
Response: 325018
Conc: 6.29 ug/ml m