

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD048999.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 16:40
 Operator : YP/AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 05:03:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 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...	12.685	4348235	29.623 ug/ml
Spiked Amount 50.000		Recovery =	59.25%
Target Compounds			
1) T n-Nonane (C9)	3.112	286979	1.794 ug/ml
2) T n-Decane (C10)	4.157	330114	2.025 ug/ml
4) T n-Dodecane (C12)	6.149	398107	2.404 ug/ml
6) T n-Tetradecane (C14)	7.930	404546	2.447 ug/ml
7) T n-Hexadecane (C16)	9.518	413979	2.401 ug/mlm
8) T n-Octadecane (C18)	10.948	442543	2.510 ug/ml
10) T n-Eicosane (C20)	12.248	467564	2.717 ug/ml
11) T n-Heneicosane (C21)	12.856	457027	2.684 ug/ml
13) T n-Docosane (C22)	13.442	450690	2.650 ug/mlm
14) T n-Tetracosane (C24)	14.537	441243	2.590 ug/ml
15) T n-Hexacosane (C26)	15.553	438051	2.615 ug/ml
16) T n-Octacosane (C28)	16.497	458862	2.758 ug/ml
17) T n-Tricontane (C30)	17.380	494689	2.882 ug/ml
18) T n-Dotriacontane (C32)	18.208	497394	3.043 ug/ml
19) T n-Tetratriacontane (C34)	18.987	459358	3.297 ug/mlm
20) T n-Hexatriacontane (C36)	19.724	404852	3.521 ug/ml
21) T n-Octatriacontane (C38)	20.422	363836	3.511 ug/ml
22) T n-Tetracontane (C40)	21.211	315906	3.296 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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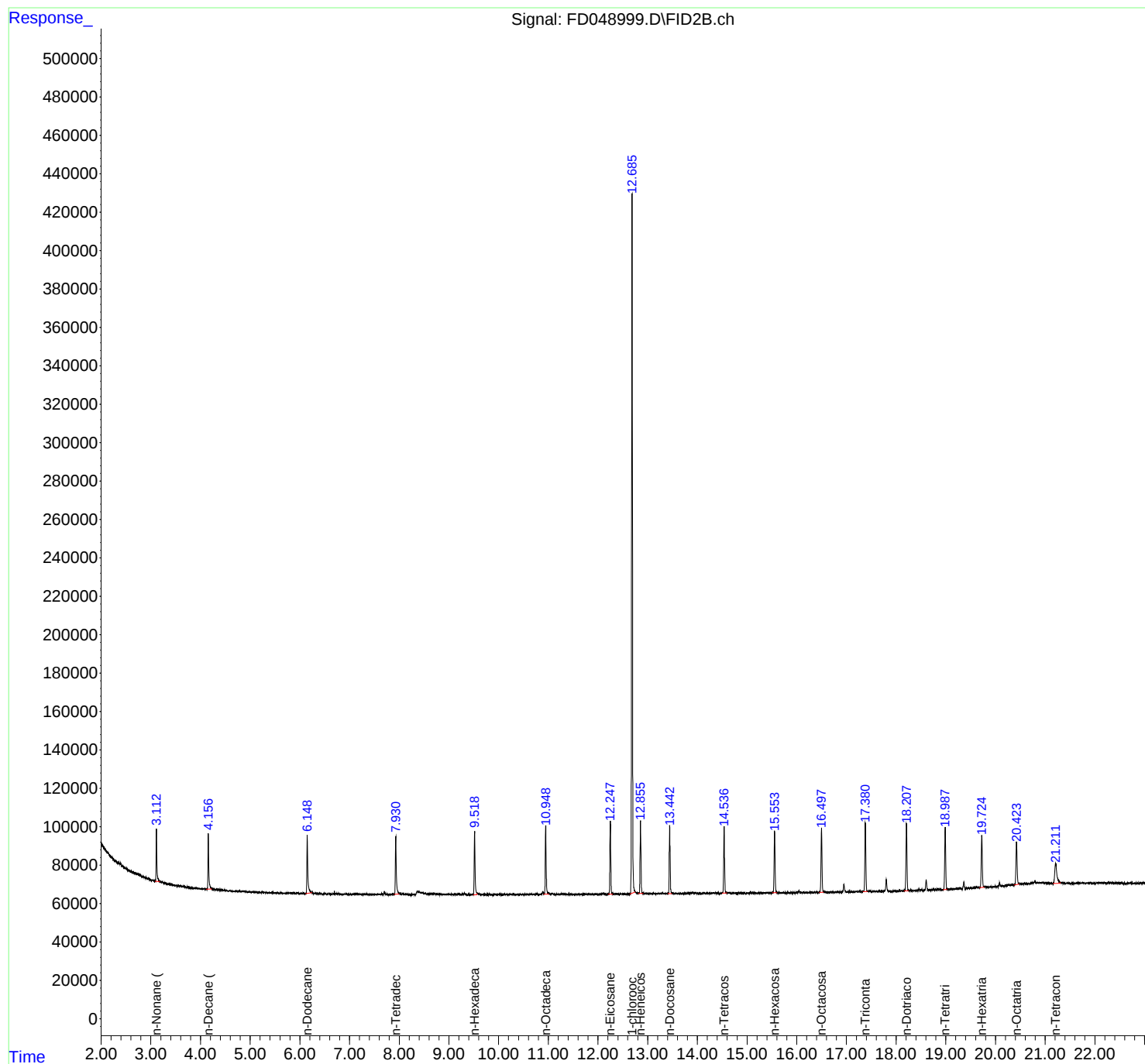
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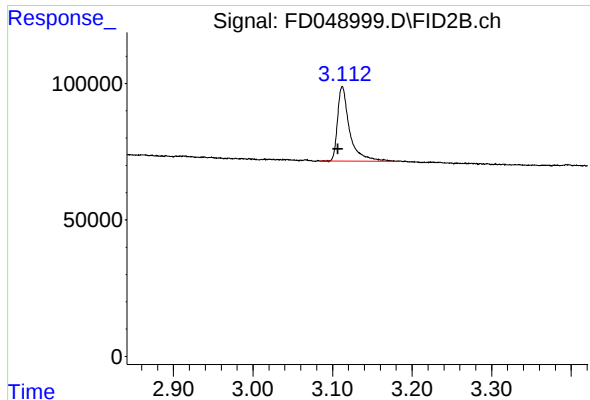
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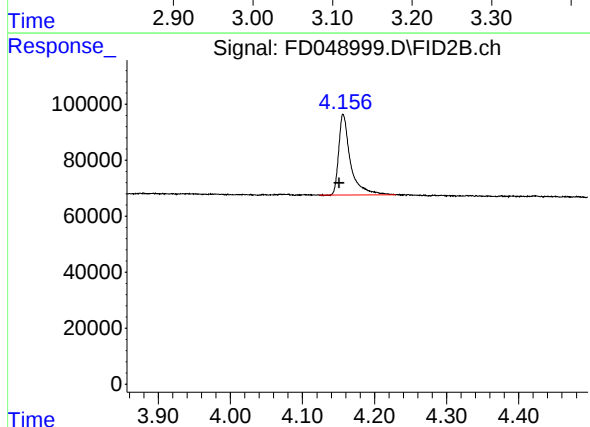
#1 n-Nonane (C9)

R.T.: 3.112 min
Delta R.T.: 0.005 min
Response: 286979
Conc: 1.79 ug/ml

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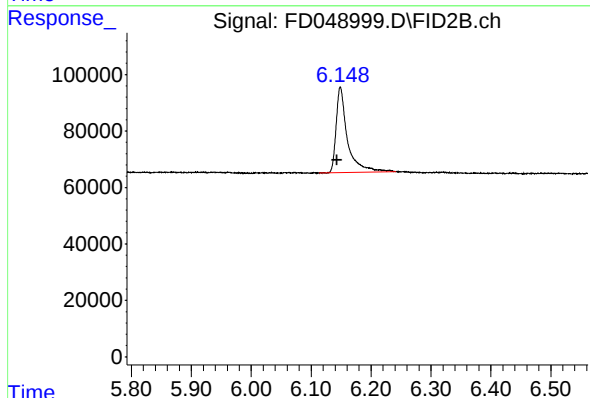
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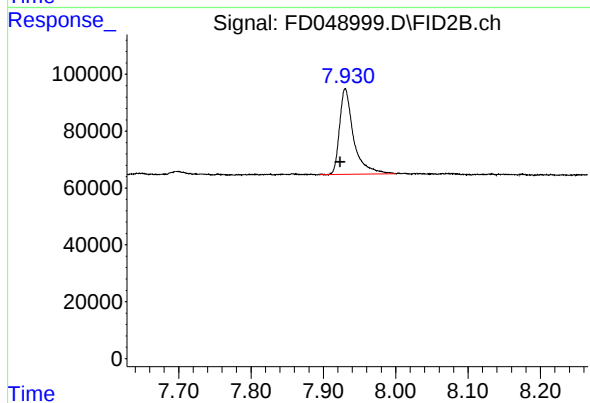
#2 n-Decane (C10)

R.T.: 4.157 min
Delta R.T.: 0.006 min
Response: 330114
Conc: 2.02 ug/ml



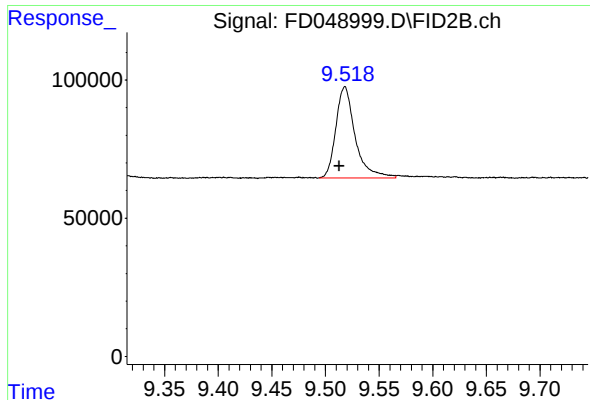
#4 n-Dodecane (C12)

R.T.: 6.149 min
Delta R.T.: 0.006 min
Response: 398107
Conc: 2.40 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.930 min
Delta R.T.: 0.007 min
Response: 404546
Conc: 2.45 ug/ml



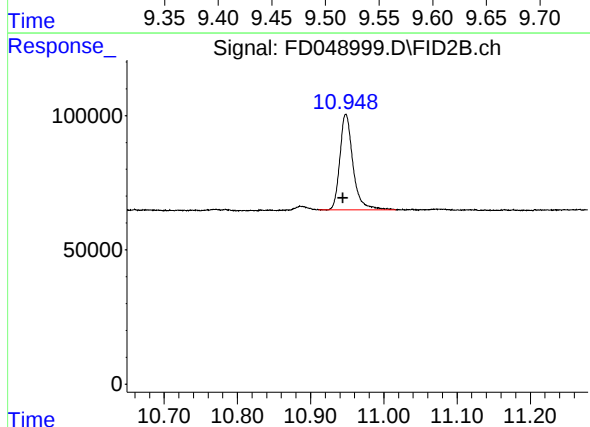
#7 n-Hexadecane (C16)

R.T.: 9.518 min
Delta R.T.: 0.005 min
Response: 413979
Conc: 2.40 ug/ml

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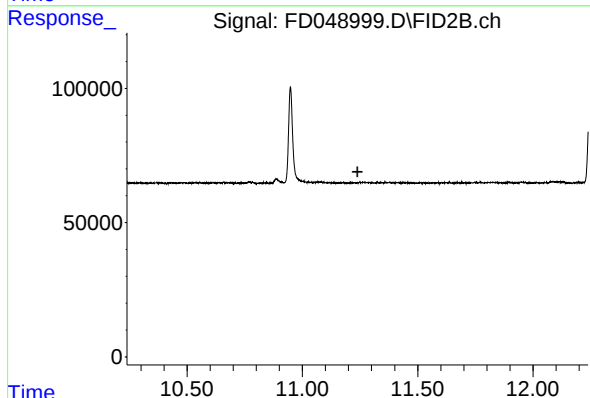
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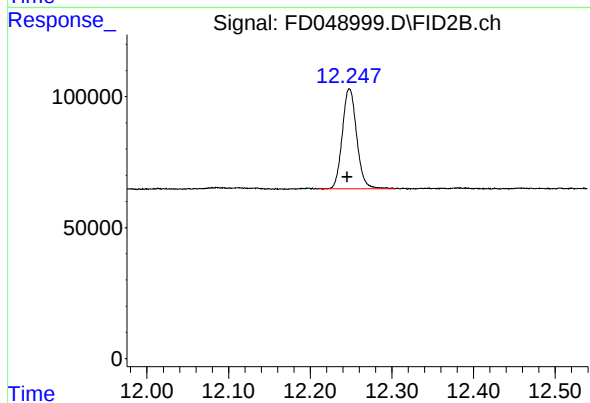
#8 n-Octadecane (C18)

R.T.: 10.948 min
Delta R.T.: 0.004 min
Response: 442543
Conc: 2.51 ug/ml



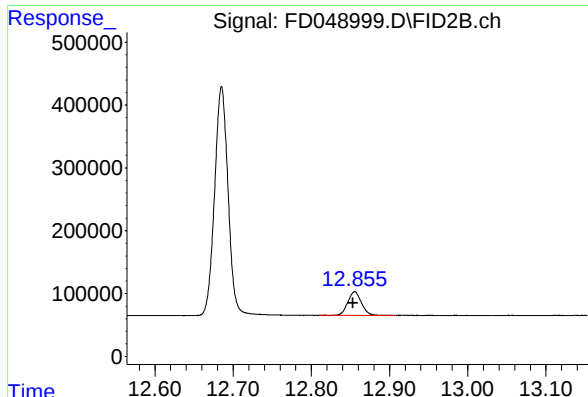
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.239 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.248 min
Delta R.T.: 0.003 min
Response: 467564
Conc: 2.72 ug/ml



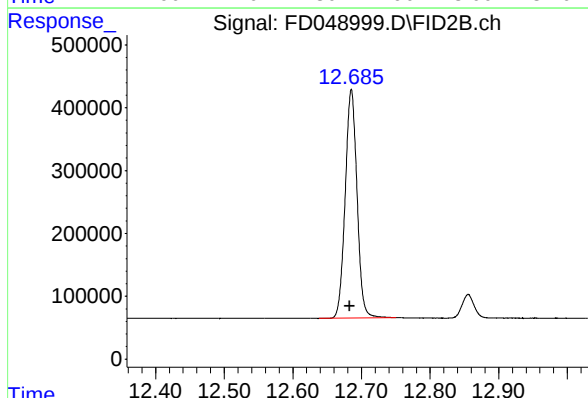
#11 n-Heneicosane (C21)

R.T.: 12.856 min
Delta R.T.: 0.002 min
Response: 457027
Conc: 2.68 ug/ml

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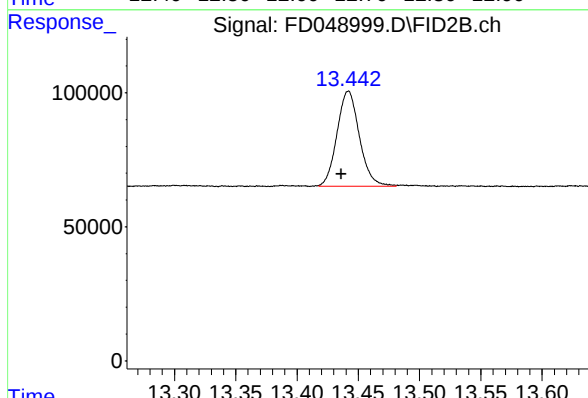
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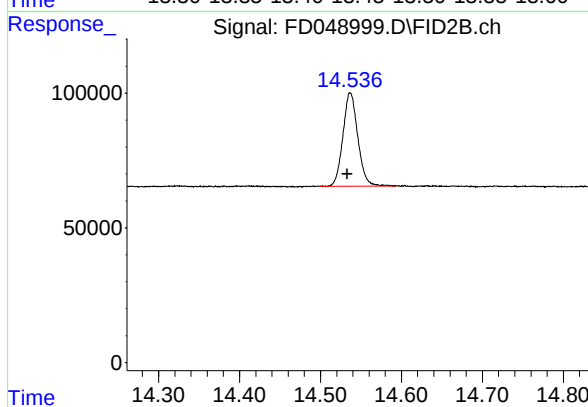
#12 1-chlorooctadecane (SURR)

R.T.: 12.685 min
Delta R.T.: 0.003 min
Response: 4348235
Conc: 29.62 ug/ml



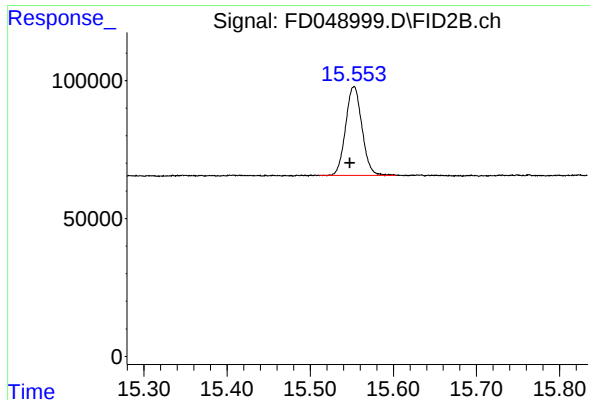
#13 n-Docosane (C22)

R.T.: 13.442 min
Delta R.T.: 0.006 min
Response: 450690
Conc: 2.65 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.537 min
Delta R.T.: 0.004 min
Response: 441243
Conc: 2.59 ug/ml



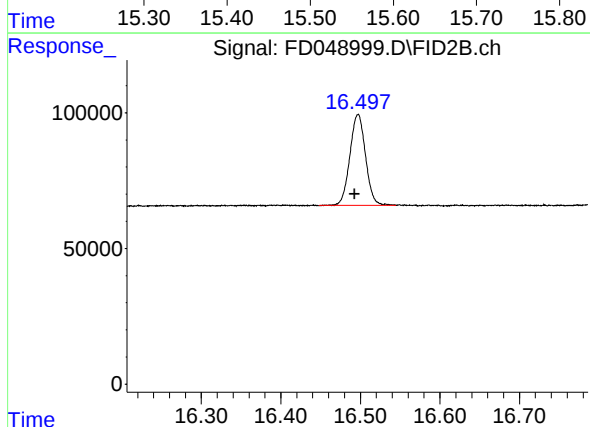
#15 n-Hexacosane (C26)

R.T.: 15.553 min
Delta R.T.: 0.005 min
Response: 438051
Conc: 2.62 ug/ml

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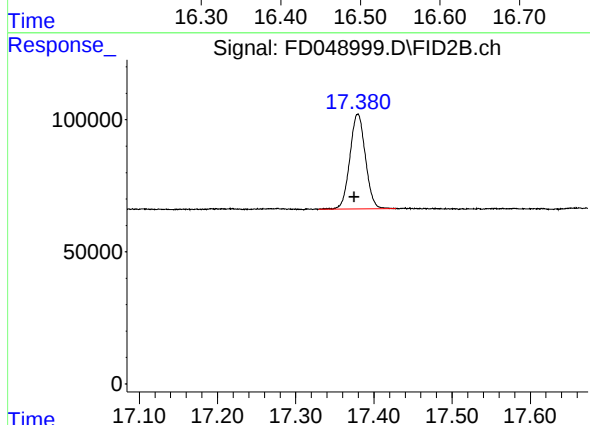
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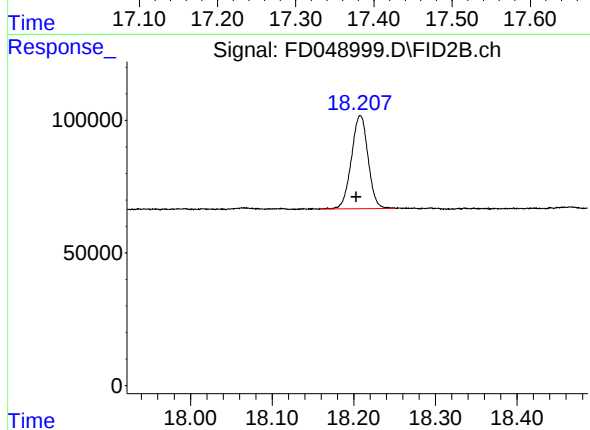
#16 n-Octacosane (C28)

R.T.: 16.497 min
Delta R.T.: 0.005 min
Response: 458862
Conc: 2.76 ug/ml



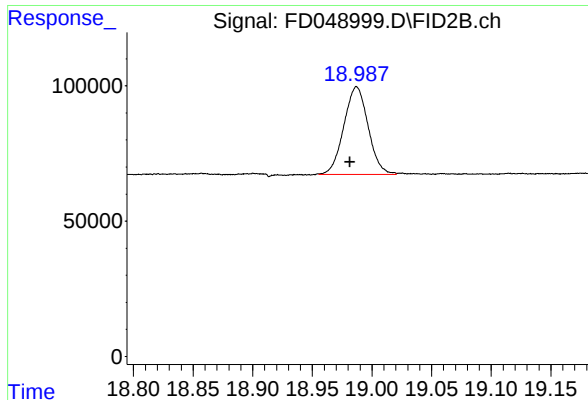
#17 n-Tricontane (C30)

R.T.: 17.380 min
Delta R.T.: 0.005 min
Response: 494689
Conc: 2.88 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.208 min
Delta R.T.: 0.005 min
Response: 497394
Conc: 3.04 ug/ml



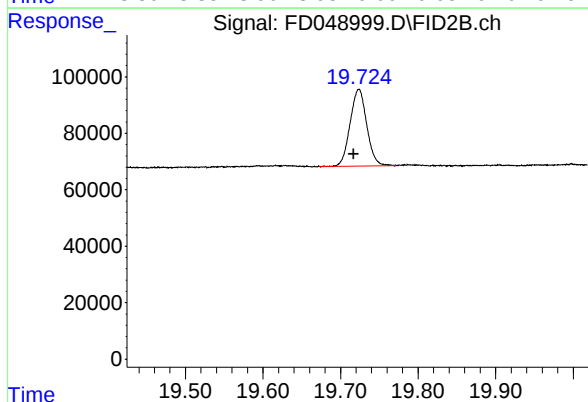
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.005 min
Response: 459358
Conc: 3.30 ug/ml

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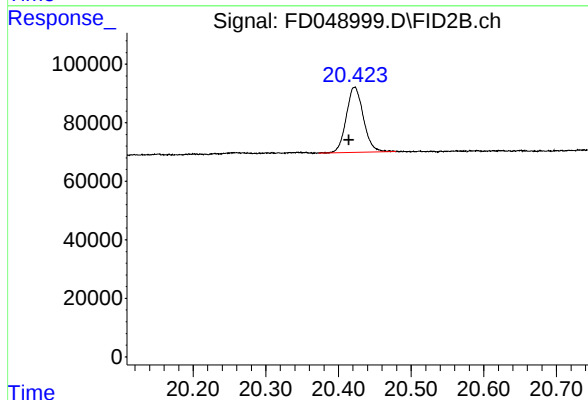
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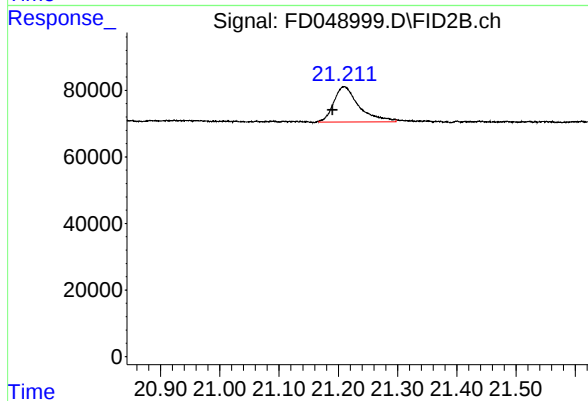
#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.007 min
Response: 404852
Conc: 3.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.422 min
Delta R.T.: 0.008 min
Response: 363836
Conc: 3.51 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.211 min
Delta R.T.: 0.020 min
Response: 315906
Conc: 3.30 ug/ml m