

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD049000.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 17:16
 Operator : YP/AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-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 05:03:30 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...	12.687	5666541	38.605 ug/ml
Spiked Amount 50.000		Recovery =	77.21%
Target Compounds			
1) T n-Nonane (C9)	3.111	419775	2.625 ug/ml
2) T n-Decane (C10)	4.155	493313	3.025 ug/ml
4) T n-Dodecane (C12)	6.147	541830	3.272 ug/ml
6) T n-Tetradecane (C14)	7.927	604181	3.655 ug/ml
7) T n-Hexadecane (C16)	9.516	625719	3.629 ug/ml
8) T n-Octadecane (C18)	10.947	688669	3.906 ug/ml
10) T n-Eicosane (C20)	12.248	716817	4.165 ug/ml
11) T n-Heneicosane (C21)	12.855	687709	4.039 ug/ml
13) T n-Docosane (C22)	13.438	712437	4.190 ug/mlm
14) T n-Tetracosane (C24)	14.535	732631	4.300 ug/ml
15) T n-Hexacosane (C26)	15.550	721402	4.307 ug/ml
16) T n-Octacosane (C28)	16.495	744846	4.478 ug/ml
17) T n-Tricontane (C30)	17.378	782161	4.557 ug/ml
18) T n-Dotriacontane (C32)	18.205	787288	4.816 ug/ml
19) T n-Tetratriacontane (C34)	18.986	712871	5.117 ug/ml
20) T n-Hexatriacontane (C36)	19.722	616315	5.360 ug/ml
21) T n-Octatriacontane (C38)	20.420	561997	5.424 ug/ml
22) T n-Tetracontane (C40)	21.203	494242	5.157 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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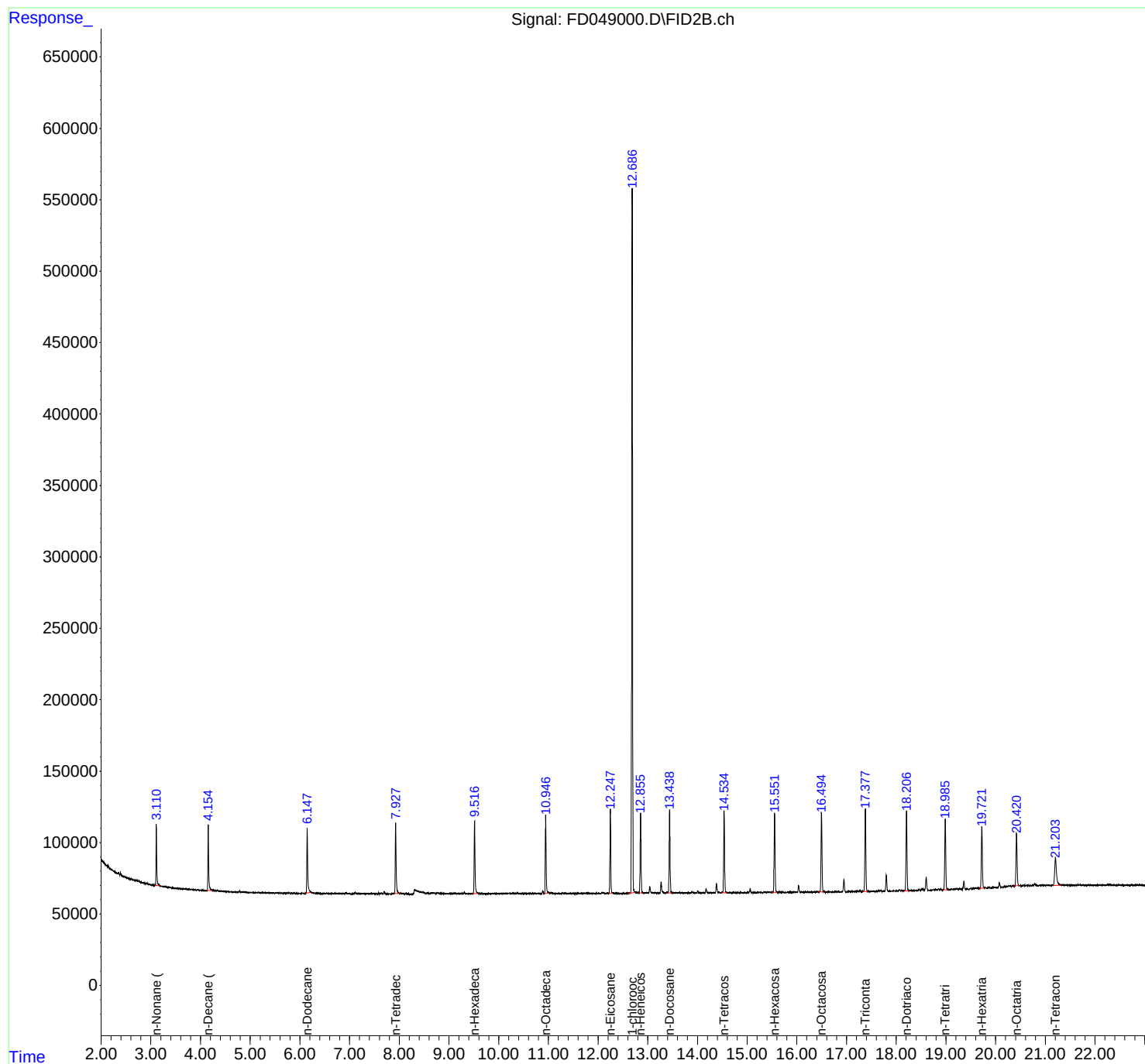
Instrument :
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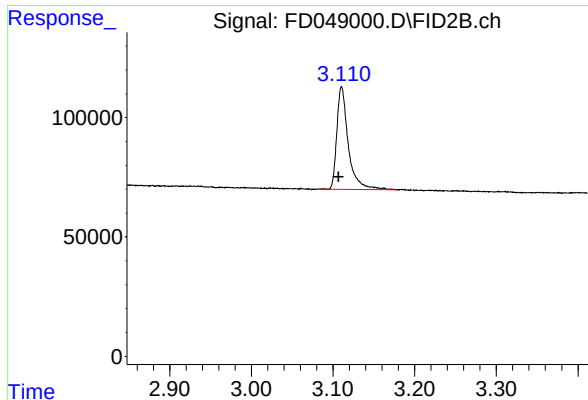
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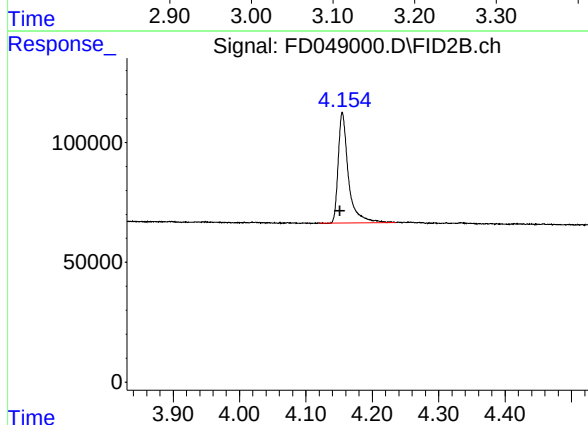
#1 n-Nonane (C9)

R.T.: 3.111 min
Delta R.T.: 0.004 min
Response: 419775
Conc: 2.62 ug/ml

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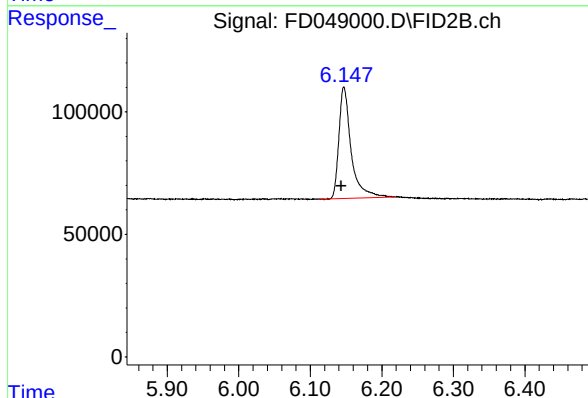
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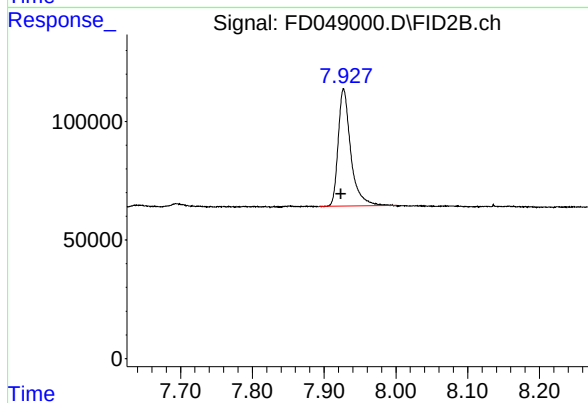
#2 n-Decane (C10)

R.T.: 4.155 min
Delta R.T.: 0.004 min
Response: 493313
Conc: 3.03 ug/ml



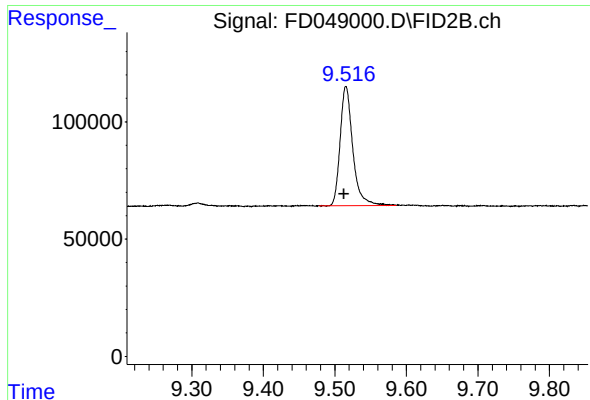
#4 n-Dodecane (C12)

R.T.: 6.147 min
Delta R.T.: 0.004 min
Response: 541830
Conc: 3.27 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.927 min
Delta R.T.: 0.004 min
Response: 604181
Conc: 3.65 ug/ml



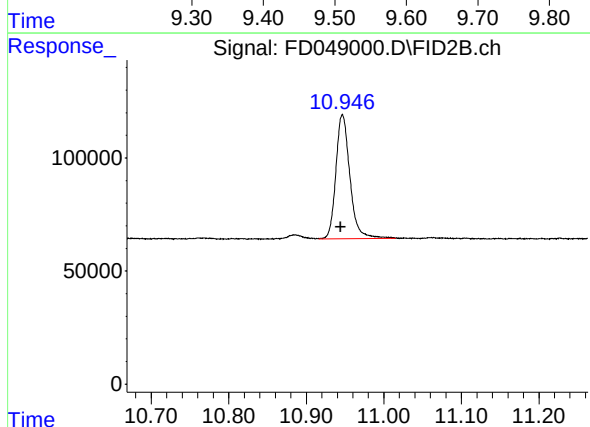
#7 n-Hexadecane (C16)

R.T.: 9.516 min
Delta R.T.: 0.003 min
Response: 625719
Conc: 3.63 ug/ml

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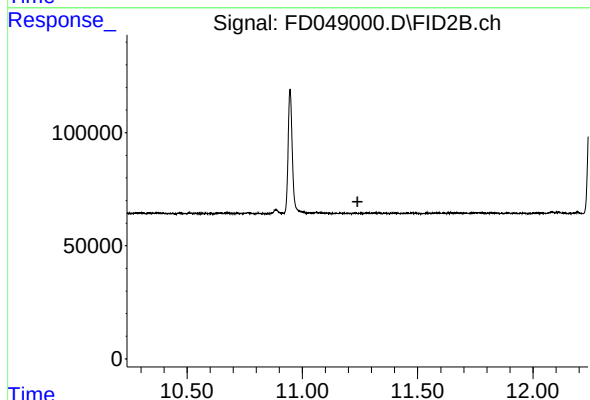
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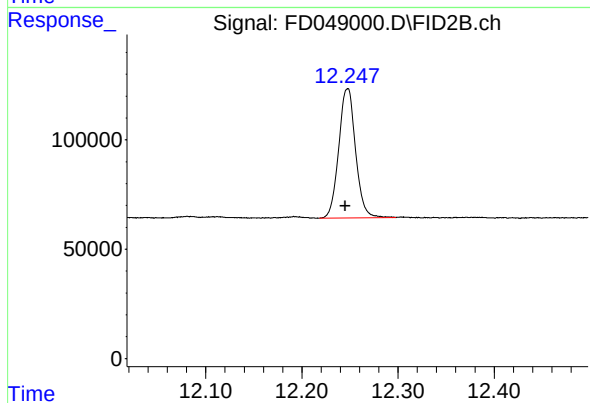
#8 n-Octadecane (C18)

R.T.: 10.947 min
Delta R.T.: 0.002 min
Response: 688669
Conc: 3.91 ug/ml



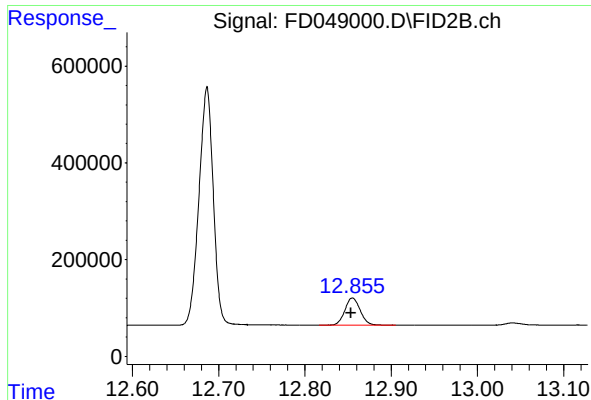
#9 ortho-Terphenyl (SURR)

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.: 0.002 min
Response: 716817
Conc: 4.16 ug/ml



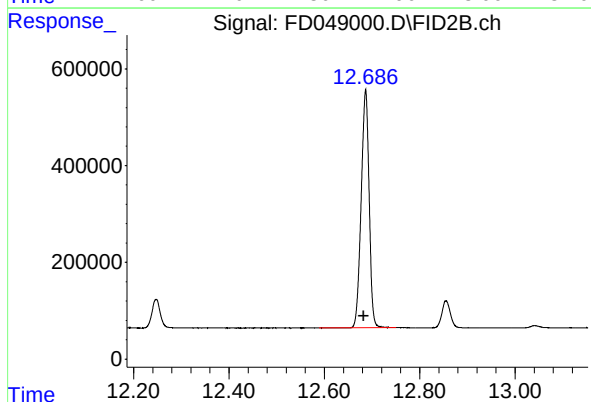
#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.002 min
Response: 687709
Conc: 4.04 ug/ml

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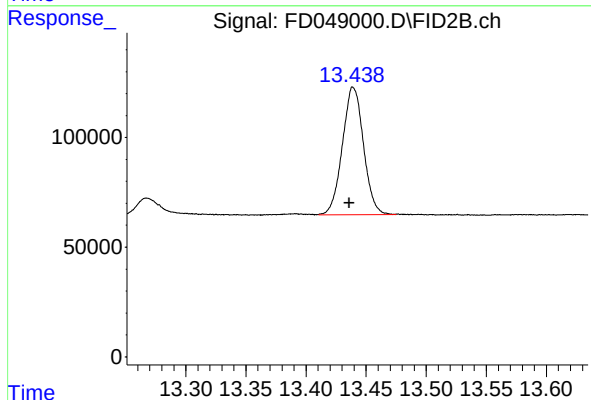
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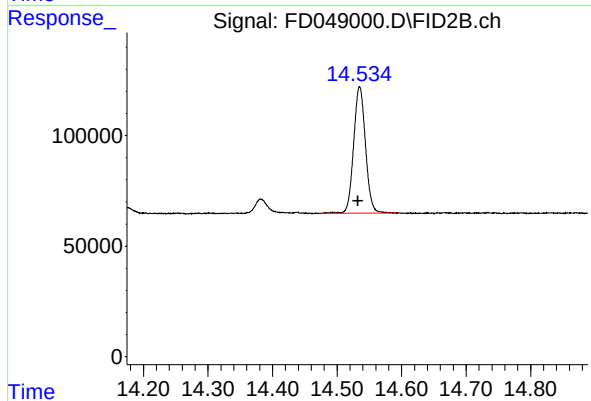
#12 1-chlorooctadecane (SURR)

R.T.: 12.687 min
Delta R.T.: 0.004 min
Response: 5666541
Conc: 38.60 ug/ml



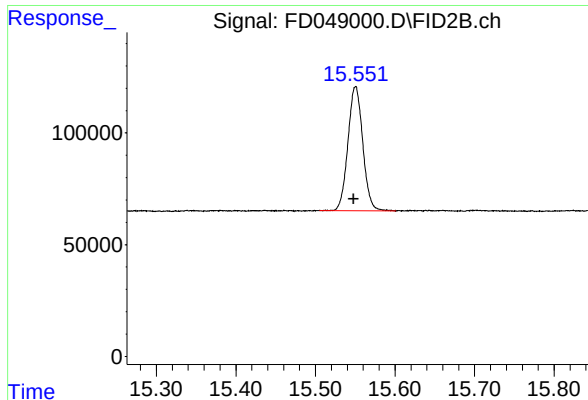
#13 n-Docosane (C22)

R.T.: 13.438 min
Delta R.T.: 0.002 min
Response: 712437
Conc: 4.19 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.535 min
Delta R.T.: 0.002 min
Response: 732631
Conc: 4.30 ug/ml



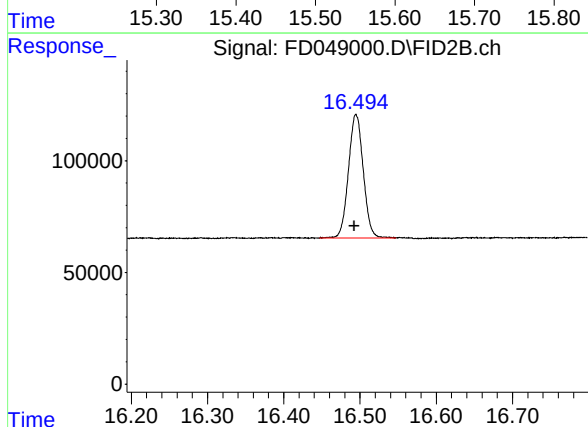
#15 n-Hexacosane (C26)

R.T.: 15.550 min
Delta R.T.: 0.002 min
Response: 721402
Conc: 4.31 ug/ml

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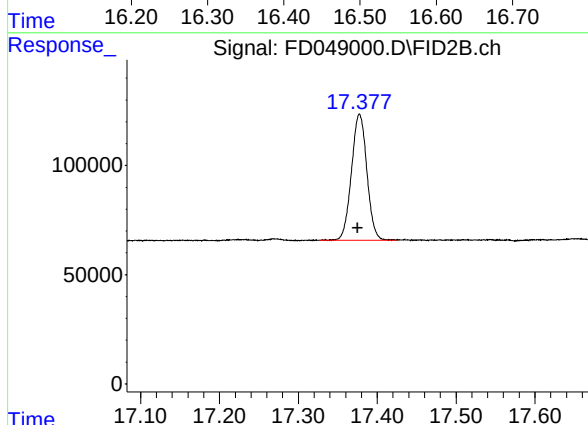
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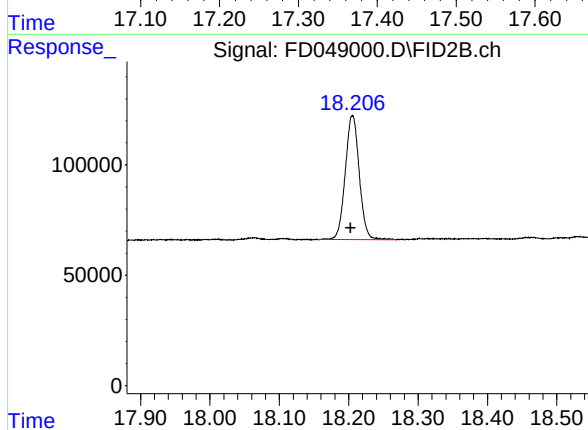
#16 n-Octacosane (C28)

R.T.: 16.495 min
Delta R.T.: 0.002 min
Response: 744846
Conc: 4.48 ug/ml



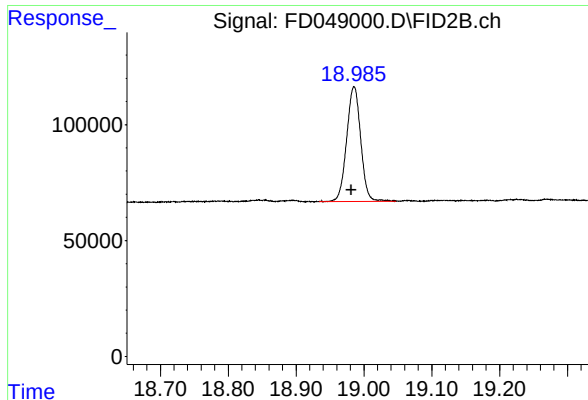
#17 n-Tricontane (C30)

R.T.: 17.378 min
Delta R.T.: 0.003 min
Response: 782161
Conc: 4.56 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.205 min
Delta R.T.: 0.003 min
Response: 787288
Conc: 4.82 ug/ml



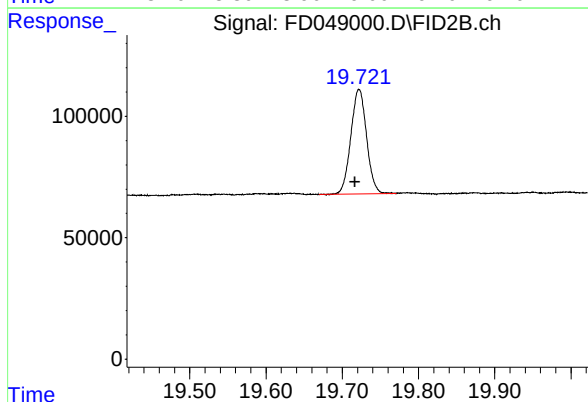
#19 n-Tetratriacontane (C34)

R.T.: 18.986 min
Delta R.T.: 0.004 min
Response: 712871
Conc: 5.12 ug/ml

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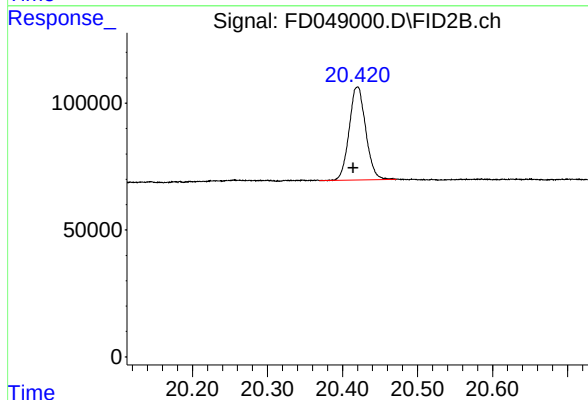
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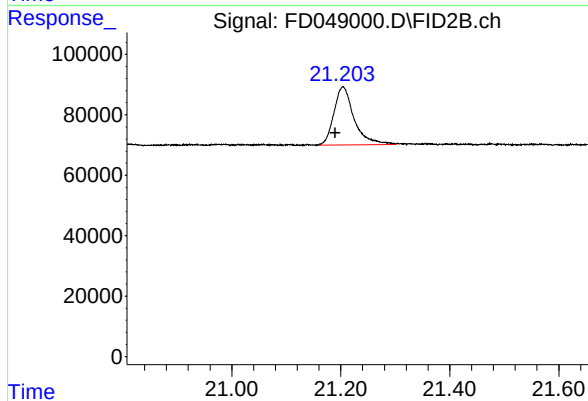
#20 n-Hexatriacontane (C36)

R.T.: 19.722 min
Delta R.T.: 0.005 min
Response: 616315
Conc: 5.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.420 min
Delta R.T.: 0.006 min
Response: 561997
Conc: 5.42 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.203 min
Delta R.T.: 0.012 min
Response: 494242
Conc: 5.16 ug/ml m