

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AL\
 Data File : FF015345.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 02:47
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 05:15:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 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...	13.366	4375852	35.938 ug/ml
Spiked Amount 50.000		Recovery =	71.88%
Target Compounds			
1) T n-Nonane (C9)	3.316	190234	1.465 ug/ml
2) T n-Decane (C10)	4.568	224718	1.691 ug/ml
4) T n-Dodecane (C12)	6.731	287460	2.115 ug/ml
6) T n-Tetradecane (C14)	8.558	265350	1.929 ug/ml
7) T n-Hexadecane (C16)	10.165	248571	1.716 ug/ml
8) T n-Octadecane (C18)	11.608	274213	1.845 ug/ml
10) T n-Eicosane (C20)	12.917	287611	2.004 ug/mlm
11) T n-Heneicosane (C21)	13.530	273815	1.937 ug/ml
13) T n-Docosane (C22)	14.118	273437	1.945 ug/mlm
14) T n-Tetracosane (C24)	15.225	262664	1.887 ug/ml
15) T n-Hexacosane (C26)	16.247	251272	1.855 ug/ml
16) T n-Octacosane (C28)	17.199	244762	1.860 ug/ml
17) T n-Tricontane (C30)	18.089	249212	1.879 ug/ml
18) T n-Dotriacontane (C32)	18.922	256582	2.034 ug/ml
19) T n-Tetratriacontane (C34)	19.708	231774	2.129 ug/mlm
20) T n-Hexatriacontane (C36)	20.449	211027	2.260 ug/mlm
21) T n-Octatriacontane (C38)	21.192	201245	2.293 ug/mlm
22) T n-Tetracontane (C40)	22.126	157780	1.861 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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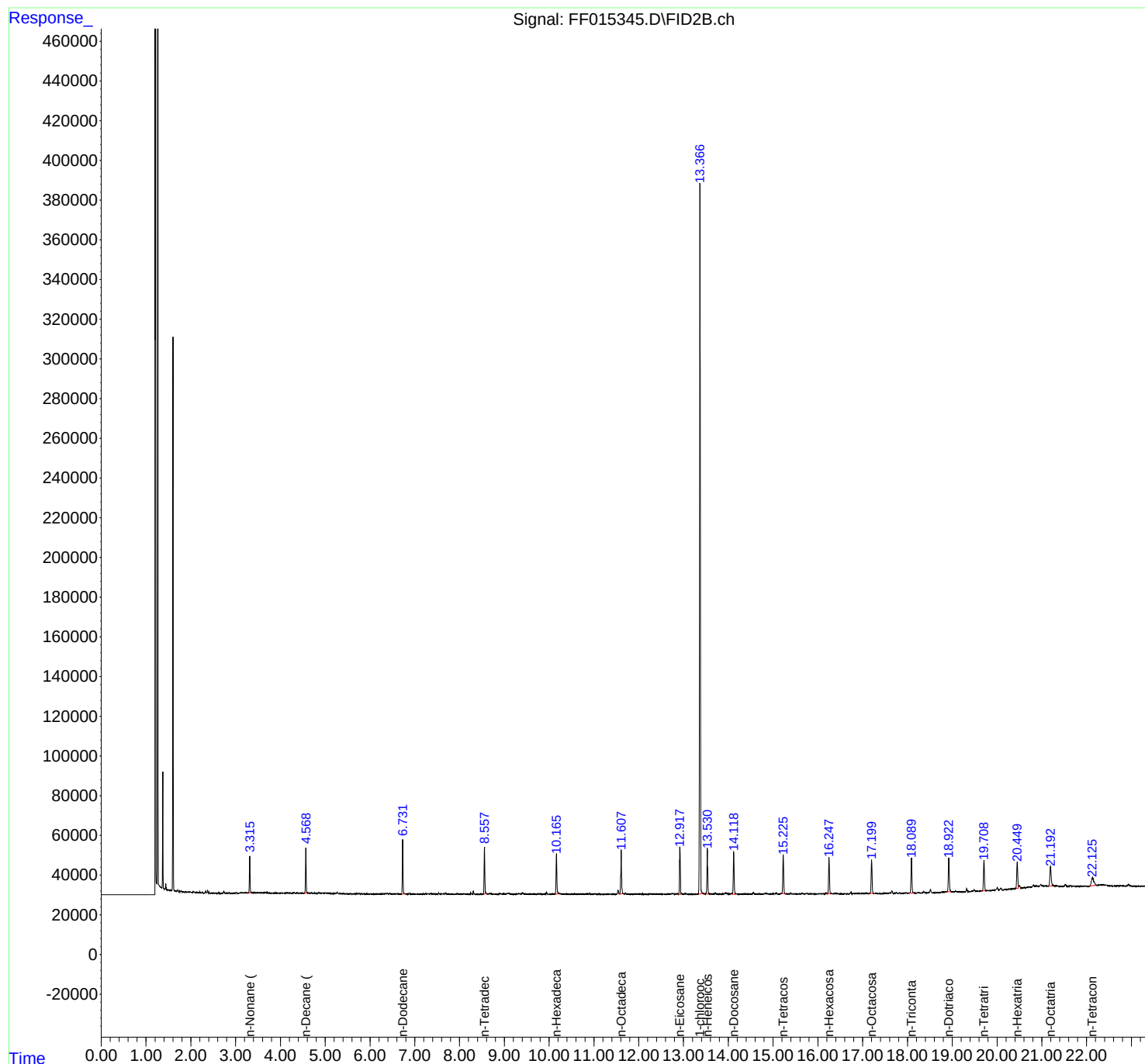
Instrument :
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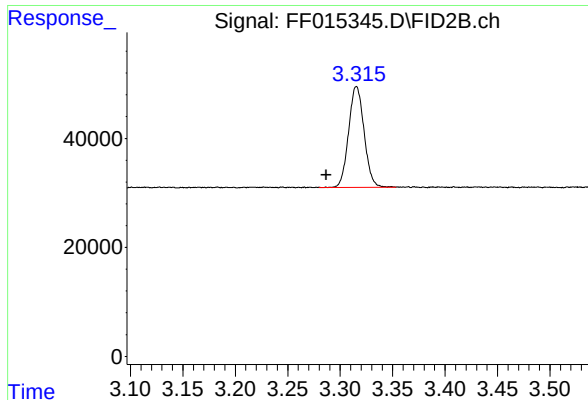
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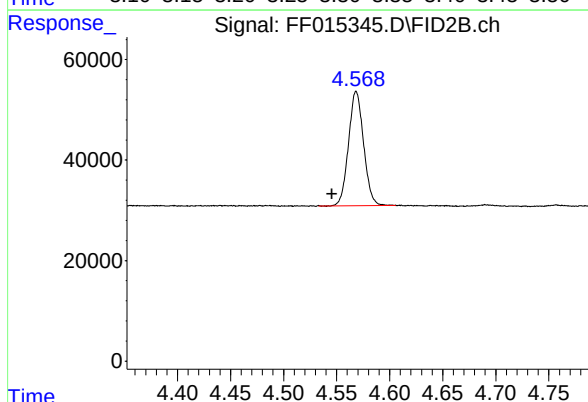
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: 0.029 min
Response: 190234
Conc: 1.47 ug/ml

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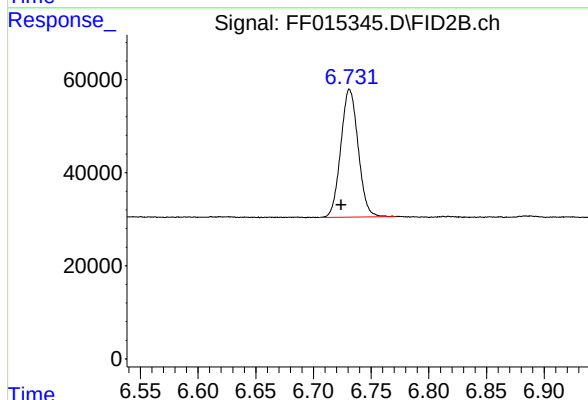
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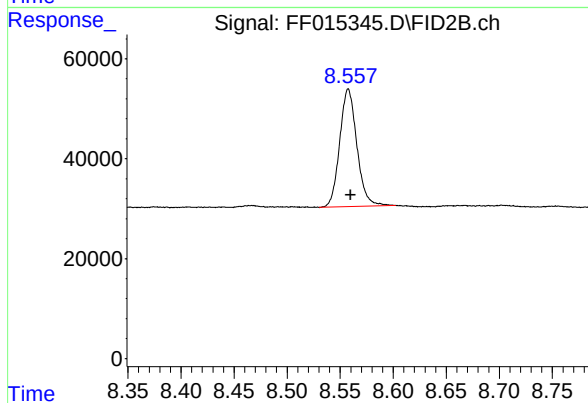
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.023 min
Response: 224718
Conc: 1.69 ug/ml



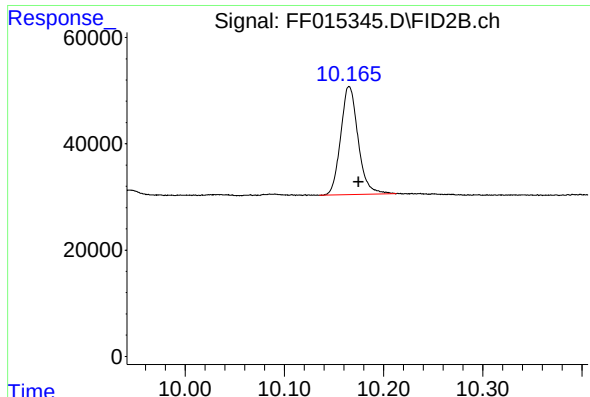
#4 n-Dodecane (C12)

R.T.: 6.731 min
Delta R.T.: 0.008 min
Response: 287460
Conc: 2.11 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.002 min
Response: 265350
Conc: 1.93 ug/ml



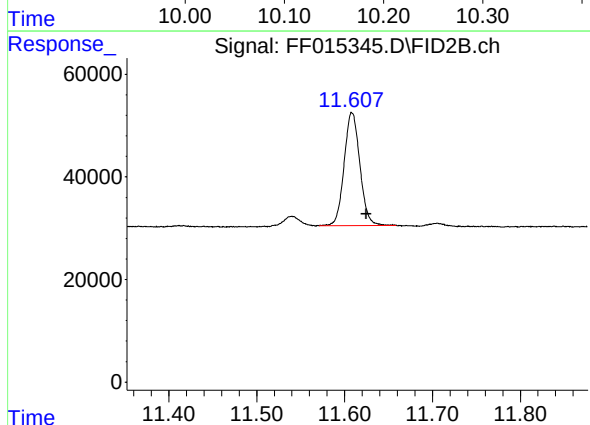
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.010 min
Response: 248571
Conc: 1.72 ug/ml

Instrument : FID_F
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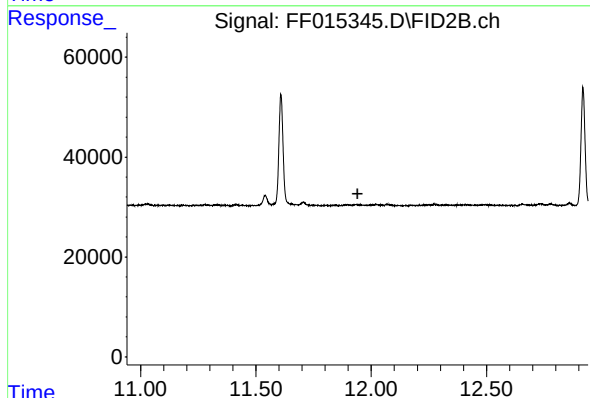
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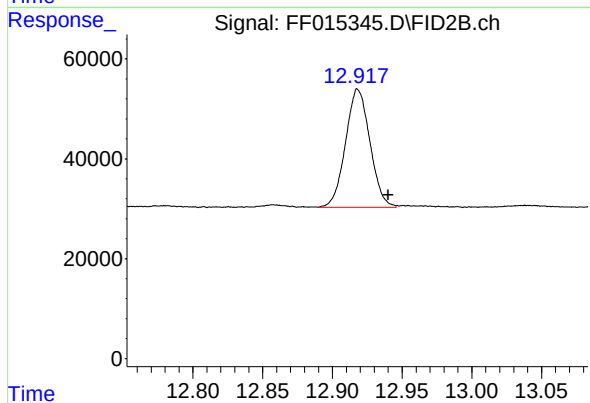
#8 n-Octadecane (C18)

R.T.: 11.608 min
Delta R.T.: -0.016 min
Response: 274213
Conc: 1.84 ug/ml



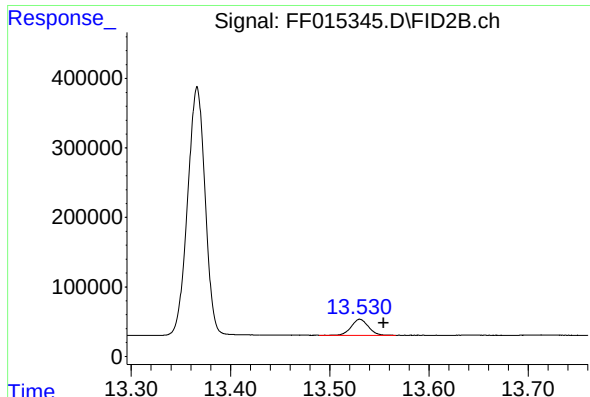
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.023 min
Response: 287611
Conc: 2.00 ug/ml m



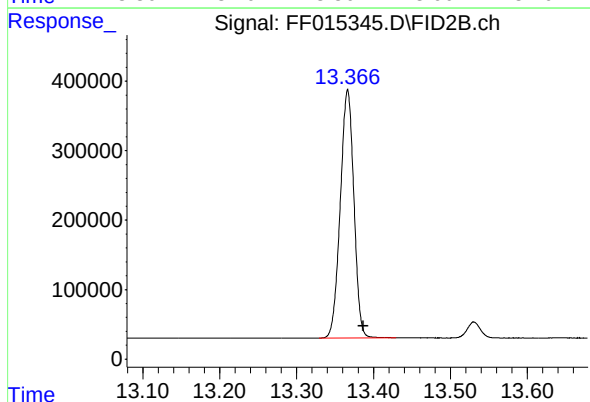
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: -0.024 min
Response: 273815
Conc: 1.94 ug/ml

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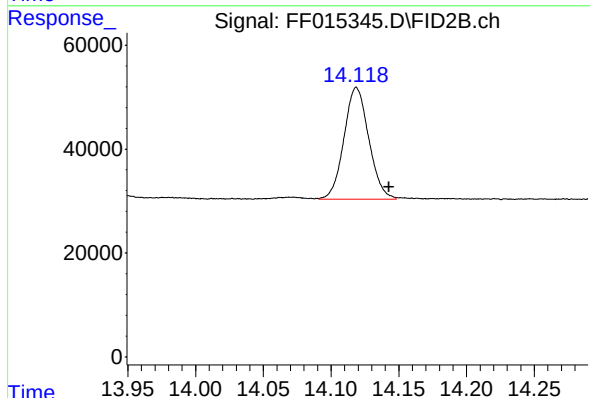
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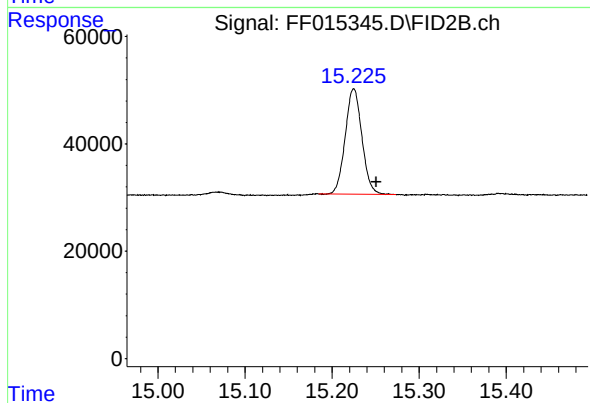
#12 1-chlorooctadecane (SURR)

R.T.: 13.366 min
Delta R.T.: -0.020 min
Response: 4375852
Conc: 35.94 ug/ml



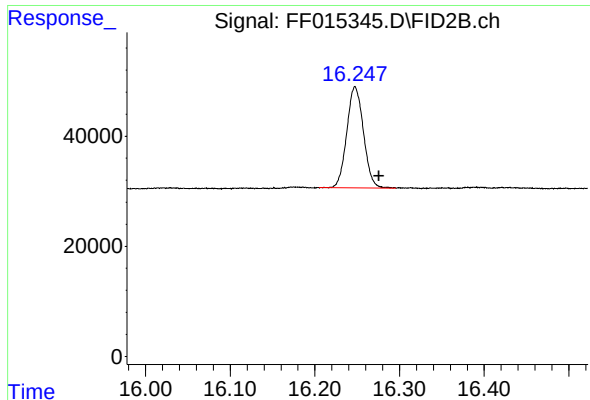
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: -0.024 min
Response: 273437
Conc: 1.94 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.026 min
Response: 262664
Conc: 1.89 ug/ml



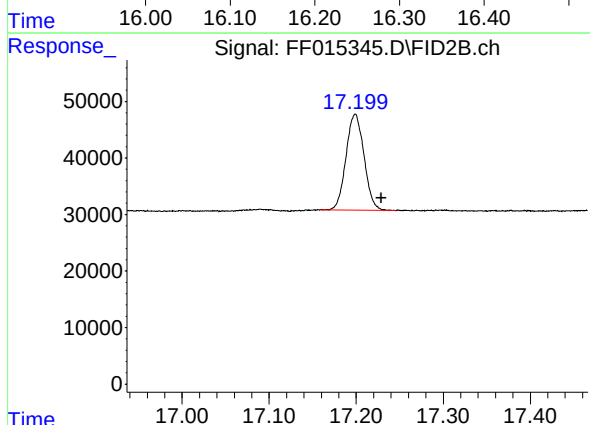
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.028 min
Response: 251272
Conc: 1.86 ug/ml

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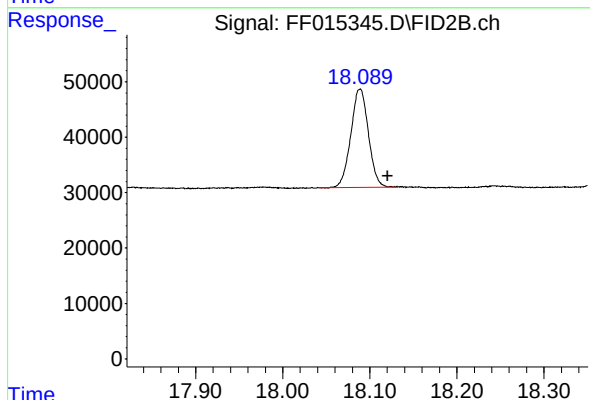
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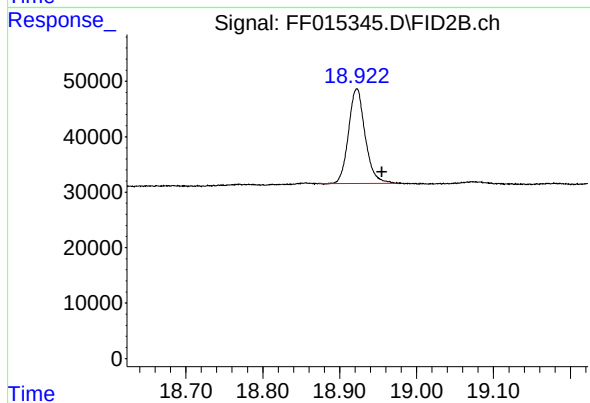
#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.030 min
Response: 244762
Conc: 1.86 ug/ml



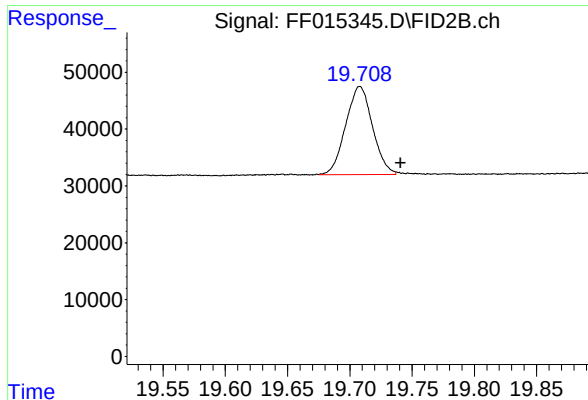
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.031 min
Response: 249212
Conc: 1.88 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.033 min
Response: 256582
Conc: 2.03 ug/ml



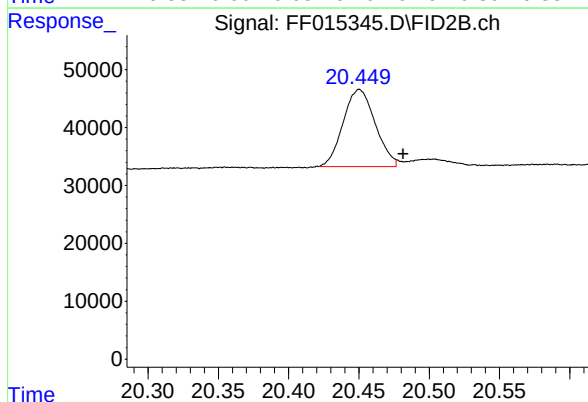
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.033 min
Response: 231774
Conc: 2.13 ug/ml

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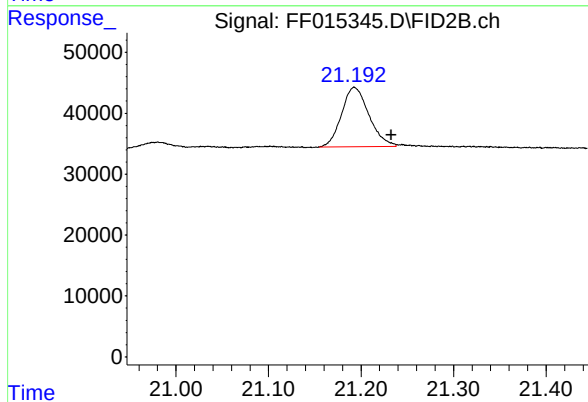
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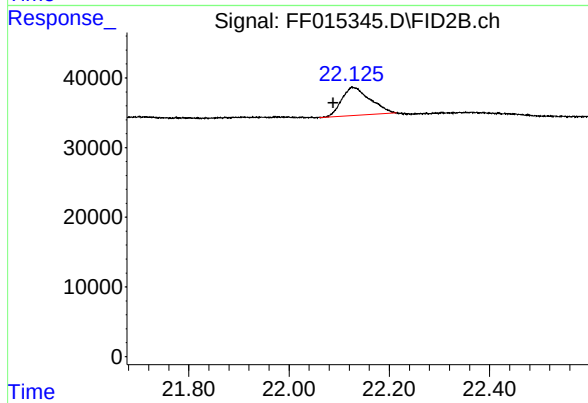
#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.032 min
Response: 211027
Conc: 2.26 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: -0.041 min
Response: 201245
Conc: 2.29 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.126 min
Delta R.T.: 0.038 min
Response: 157780
Conc: 1.86 ug/ml