

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD048996.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 14:13
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

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 05:01:50 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			
9) S ortho-Terphenyl (SURR)	11.241	4045829	20.953 ug/ml
Spiked Amount 50.000		Recovery =	41.91%
12) S 1-chlorooctadecane (S...	12.684	3089186	21.046 ug/ml
Spiked Amount 50.000		Recovery =	42.09%
Target Compounds			
1) T n-Nonane (C9)	3.106	3373104	21.092 ug/ml
2) T n-Decane (C10)	4.151	3441318	21.105 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3658453	21.408 ug/ml
4) T n-Dodecane (C12)	6.144	3513420	21.214 ug/ml
5) T A~2-methylnaphthalene...	6.745	3499308	21.708 ug/ml
6) T n-Tetradecane (C14)	7.924	3487123	21.093 ug/ml
7) T n-Hexadecane (C16)	9.513	3629327	21.049 ug/ml
8) T n-Octadecane (C18)	10.946	3695706	20.960 ug/ml
10) T n-Eicosane (C20)	12.247	3591867	20.870 ug/ml
11) T n-Heneicosane (C21)	12.856	3552103	20.860 ug/ml
13) T n-Docosane (C22)	13.438	3534919	20.788 ug/ml
14) T n-Tetracosane (C24)	14.536	3524730	20.689 ug/ml
15) T n-Hexacosane (C26)	15.552	3450045	20.598 ug/ml
16) T n-Octacosane (C28)	16.498	3379515	20.315 ug/ml
17) T n-Tricontane (C30)	17.380	3389459	19.746 ug/ml
18) T n-Dotriacontane (C32)	18.208	3206313	19.613 ug/ml
19) T n-Tetratriacontane (C34)	18.987	2776051	19.926 ug/ml
20) T n-Hexatriacontane (C36)	19.723	2358752	20.513 ug/ml
21) T n-Octatriacontane (C38)	20.419	2176778	21.007 ug/ml
22) T n-Tetracontane (C40)	21.197	1992663	20.792 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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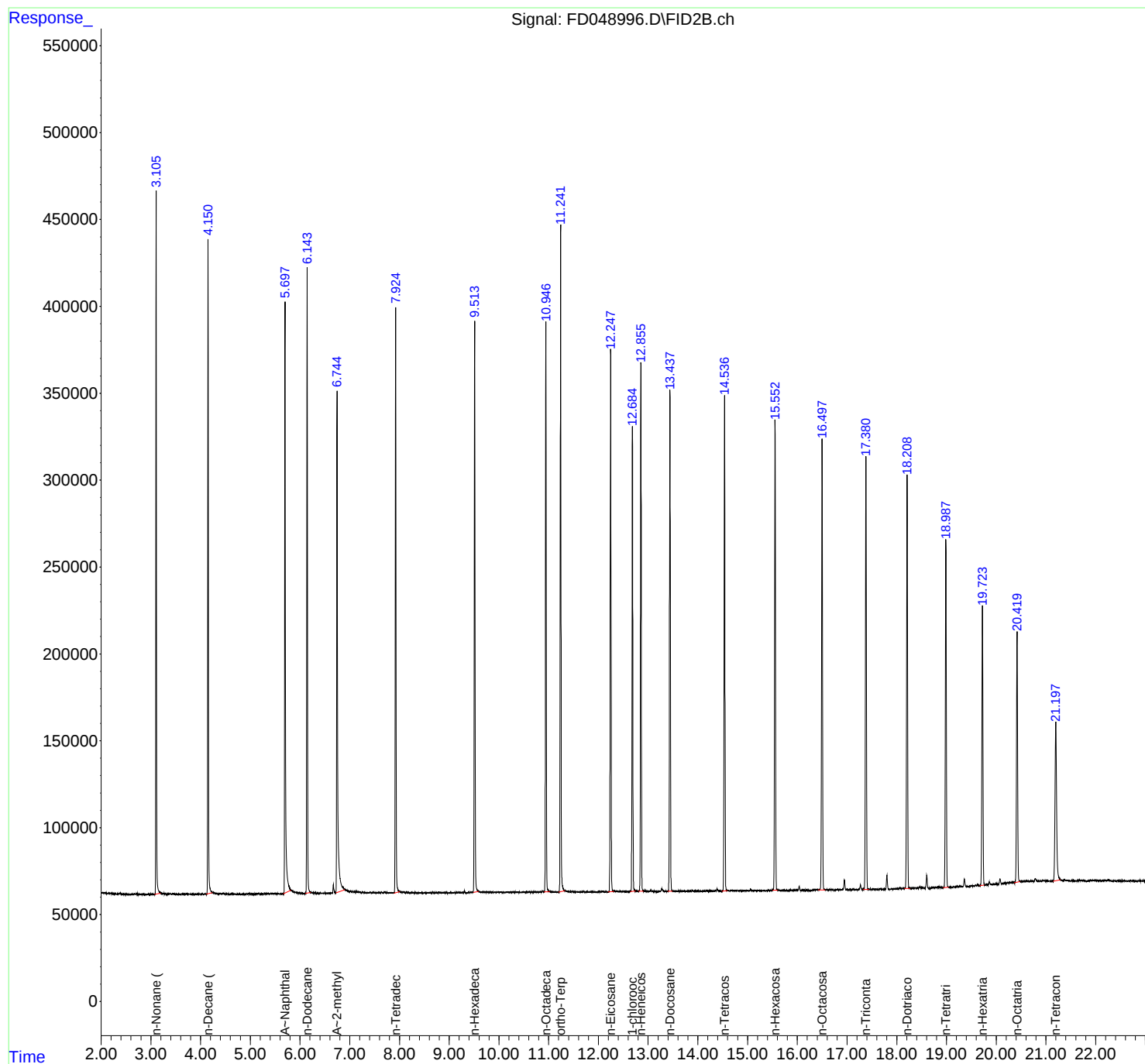
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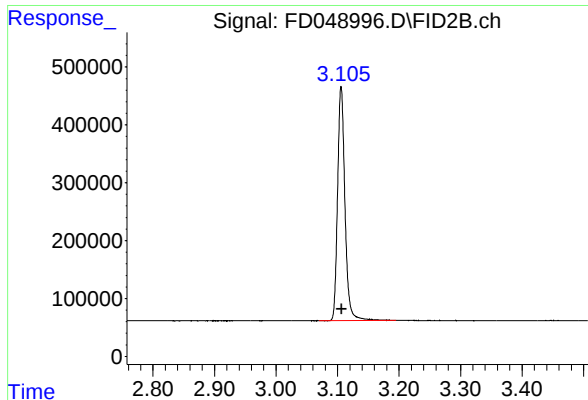
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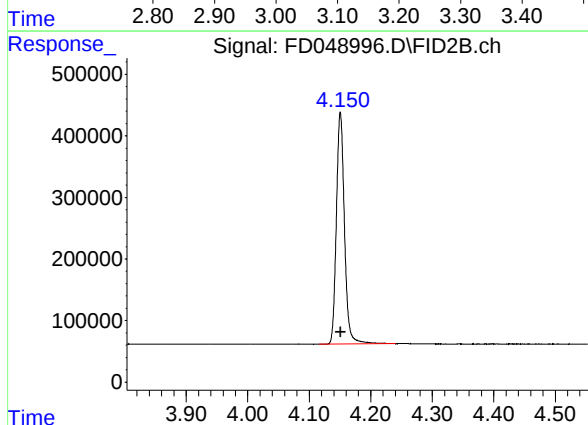
#1 n-Nonane (C9)

R.T.: 3.106 min
Delta R.T.: -0.001 min
Response: 3373104
Conc: 21.09 ug/ml

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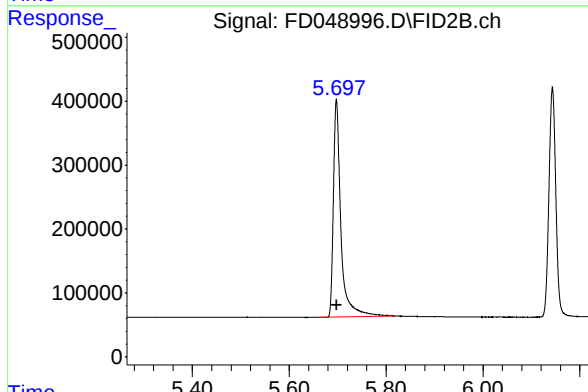
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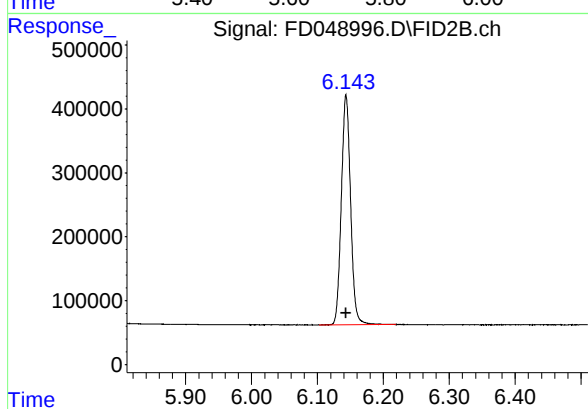
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 3441318
Conc: 21.11 ug/ml



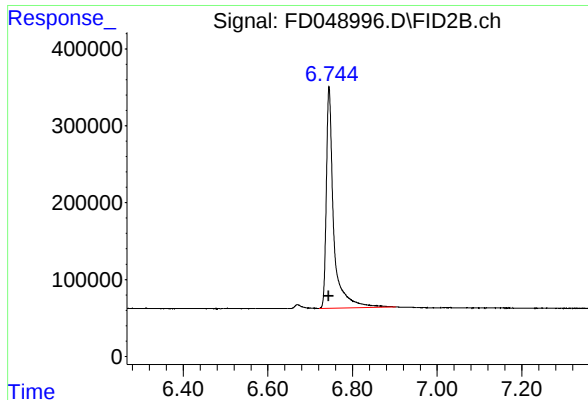
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3658453
Conc: 21.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 3513420
Conc: 21.21 ug/ml



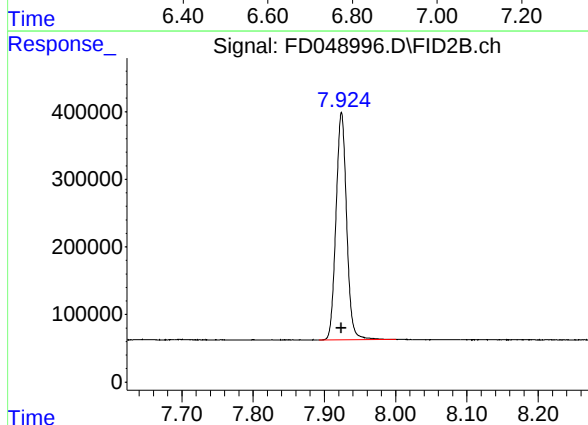
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3499308
Conc: 21.71 ug/ml

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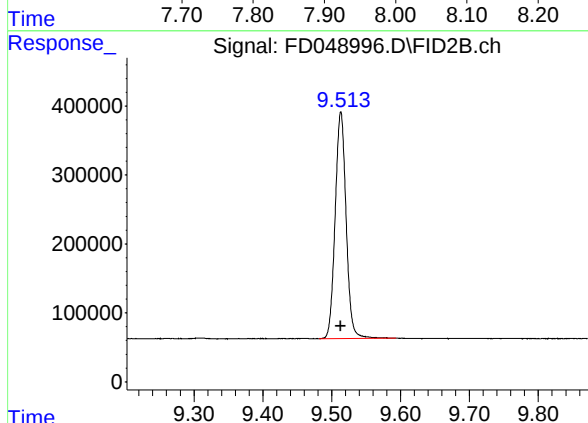
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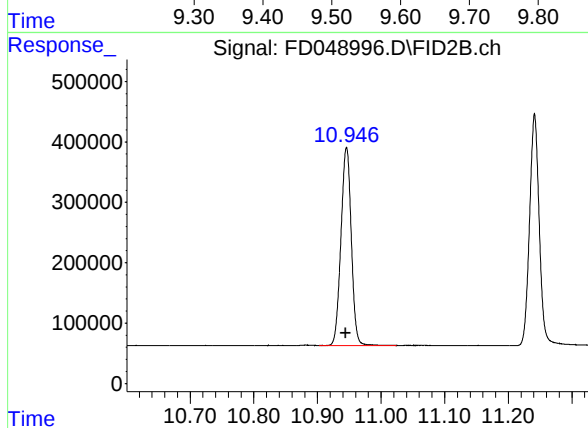
#6 n-Tetradecane (C14)

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 3487123
Conc: 21.09 ug/ml



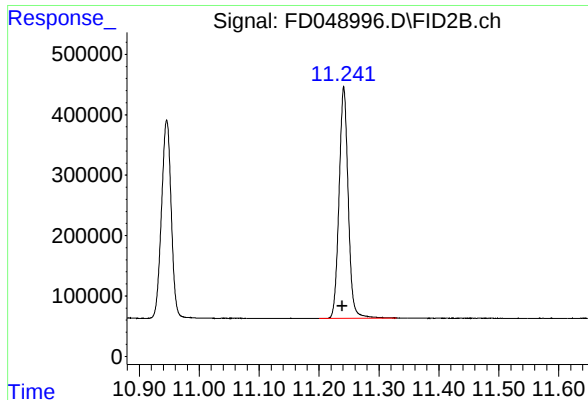
#7 n-Hexadecane (C16)

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 3629327
Conc: 21.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.946 min
Delta R.T.: 0.002 min
Response: 3695706
Conc: 20.96 ug/ml



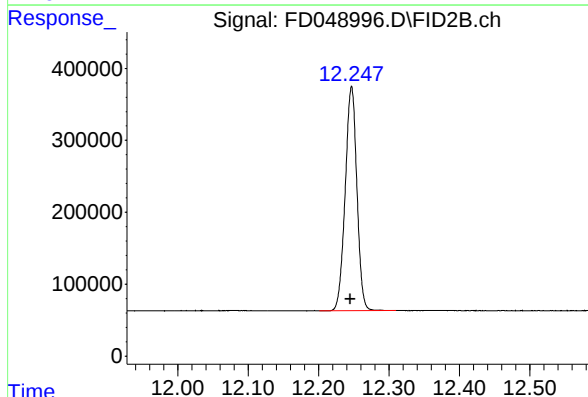
#9 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 4045829
Conc: 20.95 ug/ml

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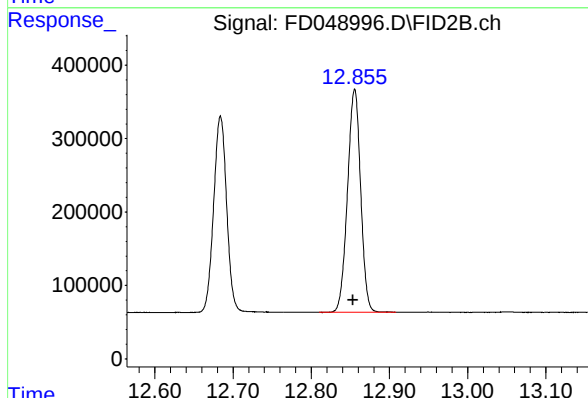
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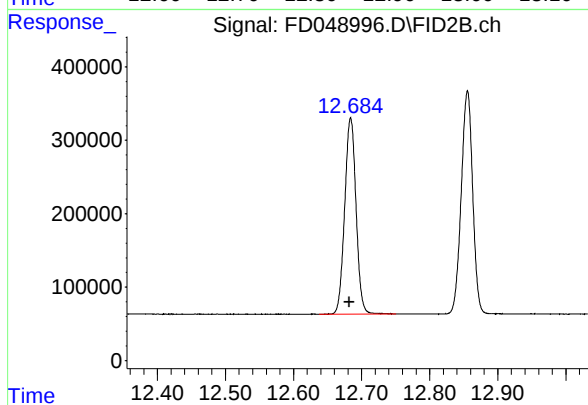
#10 n-Eicosane (C20)

R.T.: 12.247 min
Delta R.T.: 0.002 min
Response: 3591867
Conc: 20.87 ug/ml



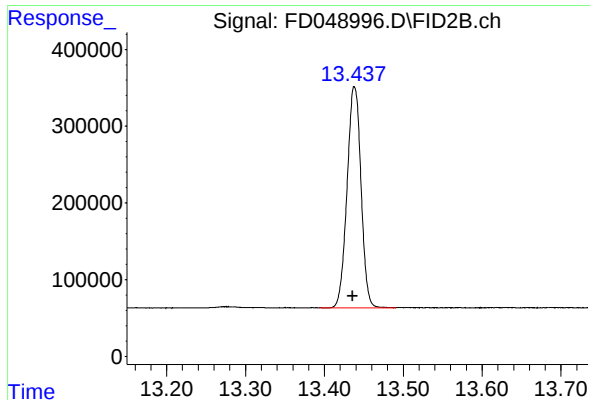
#11 n-Heneicosane (C21)

R.T.: 12.856 min
Delta R.T.: 0.002 min
Response: 3552103
Conc: 20.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.684 min
Delta R.T.: 0.002 min
Response: 3089186
Conc: 21.05 ug/ml



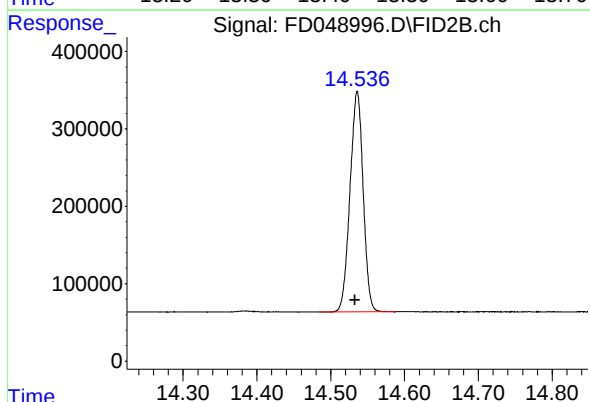
#13 n-Docosane (C22)

R.T.: 13.438 min
Delta R.T.: 0.002 min
Response: 3534919
Conc: 20.79 ug/ml

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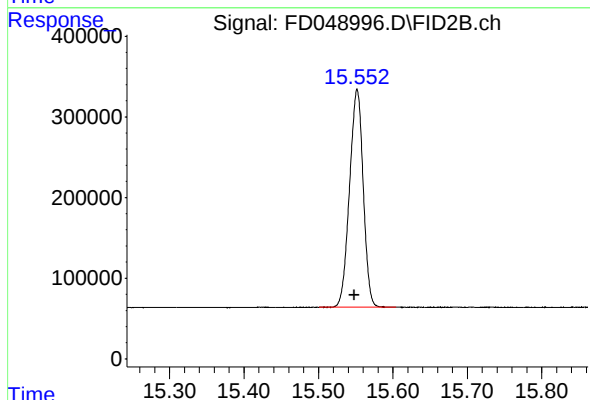
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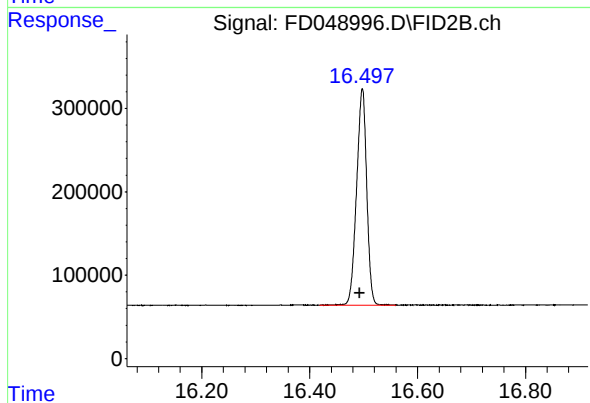
#14 n-Tetracosane (C24)

R.T.: 14.536 min
Delta R.T.: 0.003 min
Response: 3524730
Conc: 20.69 ug/ml



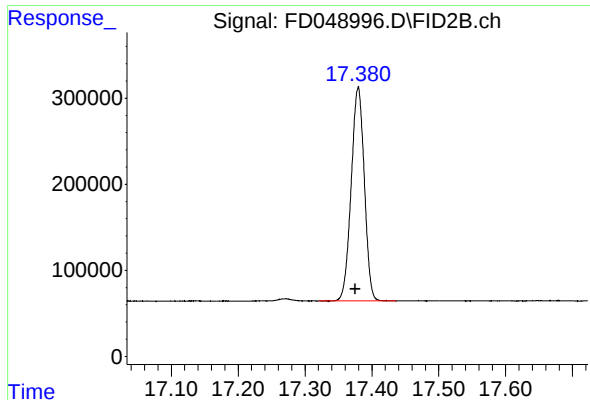
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 3450045
Conc: 20.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.498 min
Delta R.T.: 0.005 min
Response: 3379515
Conc: 20.32 ug/ml



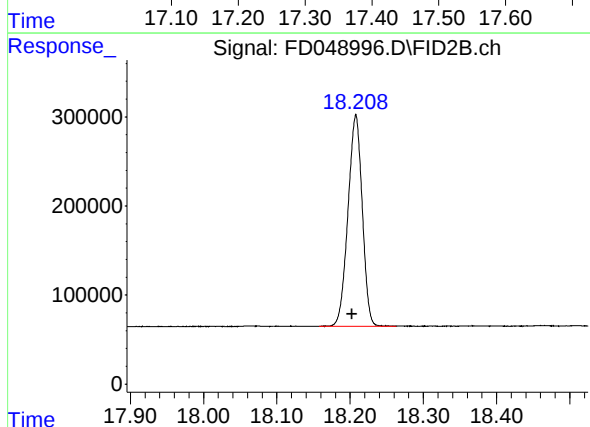
#17 n-Tricontane (C30)

R.T.: 17.380 min
Delta R.T.: 0.005 min
Response: 3389459
Conc: 19.75 ug/ml

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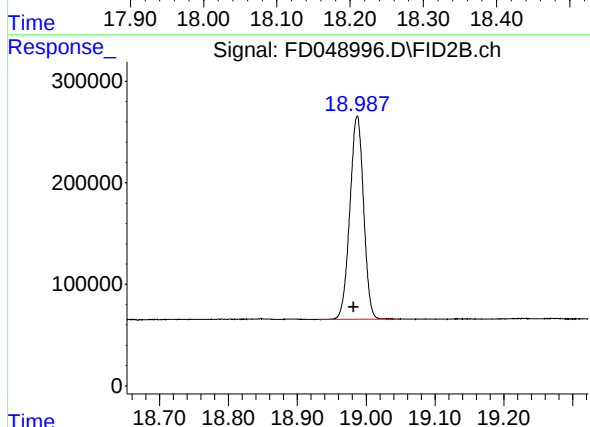
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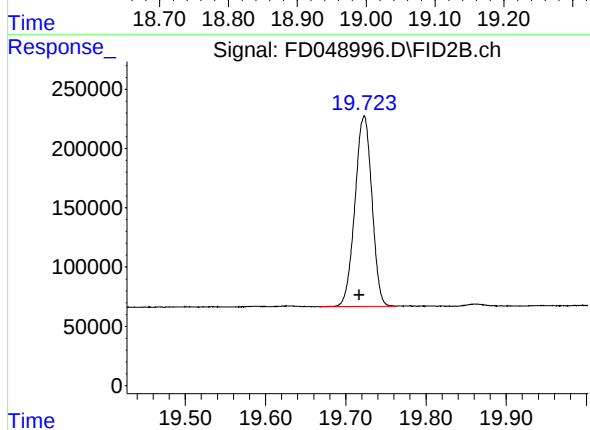
#18 n-Dotriacontane (C32)

R.T.: 18.208 min
Delta R.T.: 0.005 min
Response: 3206313
Conc: 19.61 ug/ml



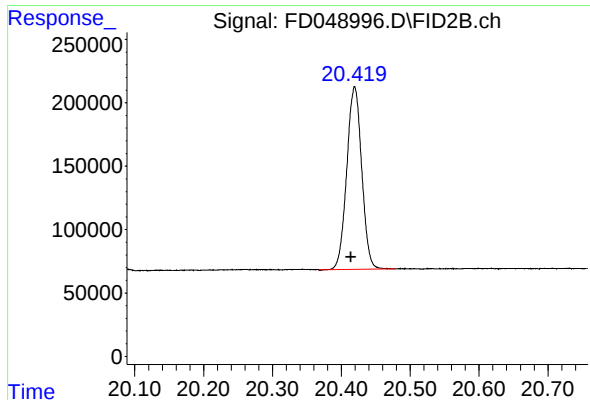
#19 n-Tetatriacontane (C34)

R.T.: 18.987 min
Delta R.T.: 0.005 min
Response: 2776051
Conc: 19.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.723 min
Delta R.T.: 0.006 min
Response: 2358752
Conc: 20.51 ug/ml



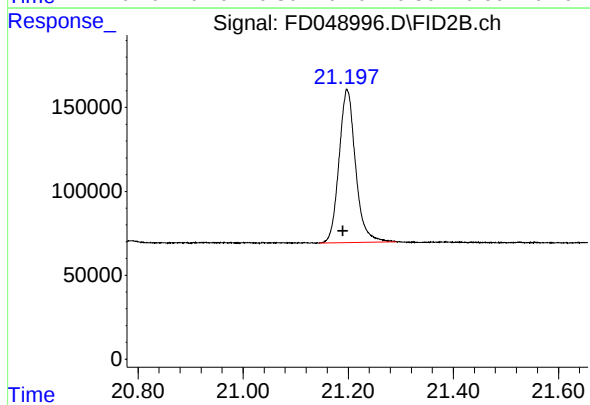
#21 n-Octatriacontane (C38)

R.T.: 20.419 min
Delta R.T.: 0.005 min
Response: 2176778
Conc: 21.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.197 min
Delta R.T.: 0.006 min
Response: 1992663
Conc: 20.79 ug/ml m