

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF013125AL\
 Data File : FF015391.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jan 2025 11:22
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/31/2025
 Supervised By :Ankita Jodhani 01/31/2025

Integration File: autoint1.e
 Quant Time: Jan 31 03:38:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 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)	11.928	3004110	18.895 ug/ml
Spiked Amount 50.000		Recovery =	37.79%
12) S 1-chlorooctadecane (S...	13.365	2260146	18.130 ug/ml
Spiked Amount 50.000		Recovery =	36.26%
Target Compounds			
1) T n-Nonane (C9)	3.314	2570781	19.584 ug/ml
2) T n-Decane (C10)	4.568	2648752	19.802 ug/ml
3) T A~Naphthalene (C11.7)	6.269	2829846	19.457 ug/ml
4) T n-Dodecane (C12)	6.732	2699504	20.019 ug/ml
5) T A~2-methylnaphthalene...	7.363	2717325	19.311 ug/ml
6) T n-Tetradecane (C14)	8.558	2700819	19.990 ug/ml
7) T n-Hexadecane (C16)	10.165	2791298	19.699 ug/ml
8) T n-Octadecane (C18)	11.609	2841926	19.406 ug/ml
10) T n-Eicosane (C20)	12.920	2734234	18.964 ug/ml
11) T n-Heneicosane (C21)	13.532	2673866	18.732 ug/ml
13) T n-Docosane (C22)	14.118	2652312	18.504 ug/mlm
14) T n-Tetracosane (C24)	15.224	2607739	17.977 ug/mlm
15) T n-Hexacosane (C26)	16.246	2500738	17.597 ug/ml
16) T n-Octacosane (C28)	17.197	2445172	17.572 ug/ml
17) T n-Tricontane (C30)	18.087	2489226	17.873 ug/ml
18) T n-Dotriacontane (C32)	18.921	2400323	18.403 ug/ml
19) T n-Tetratriacontane (C34)	19.705	2075181	19.089 ug/mlm
20) T n-Hexatriacontane (C36)	20.447	1768865	20.111 ug/mlm
21) T n-Octatriacontane (C38)	21.187	1644049	19.949 ug/ml
22) T n-Tetracontane (C40)	22.104	1533178	19.324 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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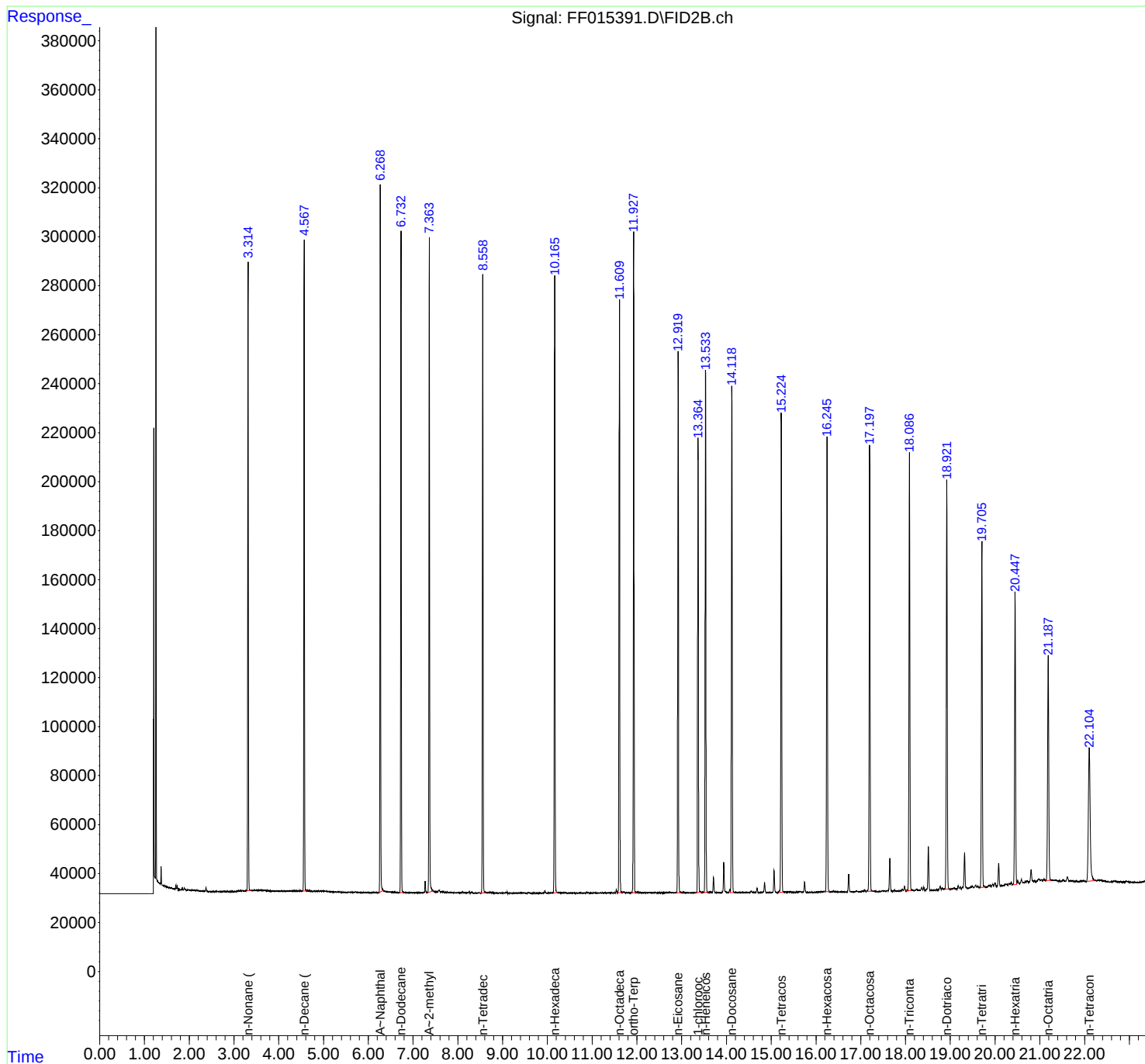
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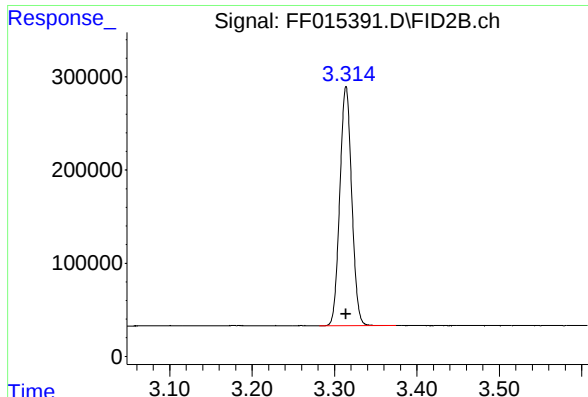
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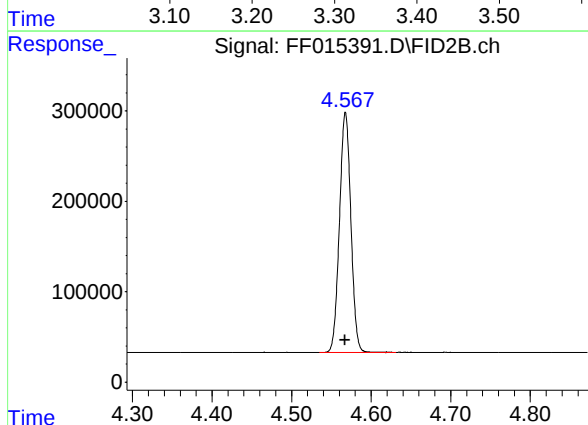
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: 0.000 min
Response: 2570781
Conc: 19.58 ug/ml

Instrument : FID_F
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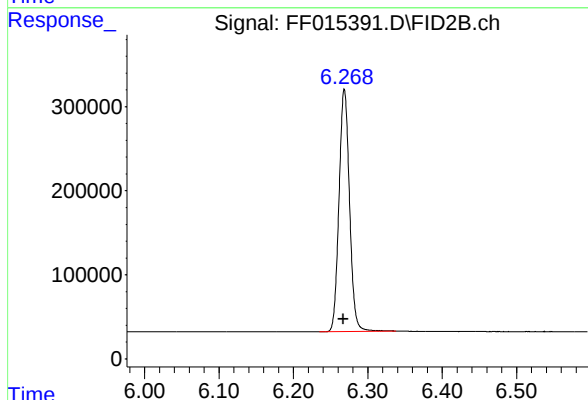
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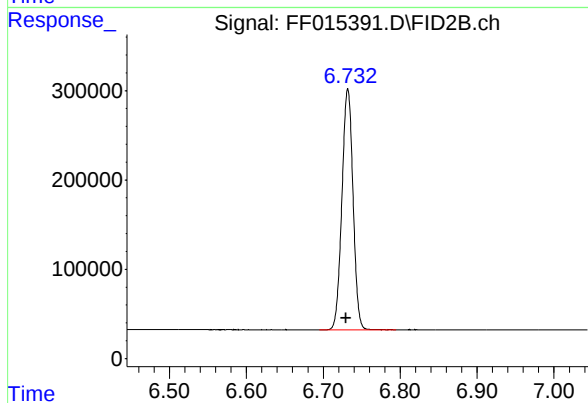
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.000 min
Response: 2648752
Conc: 19.80 ug/ml



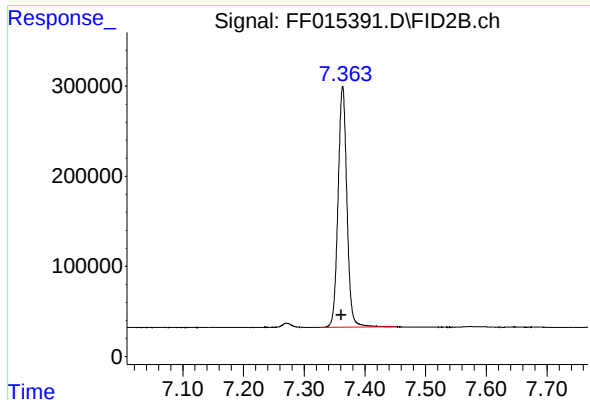
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.001 min
Response: 2829846
Conc: 19.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: 0.002 min
Response: 2699504
Conc: 20.02 ug/ml



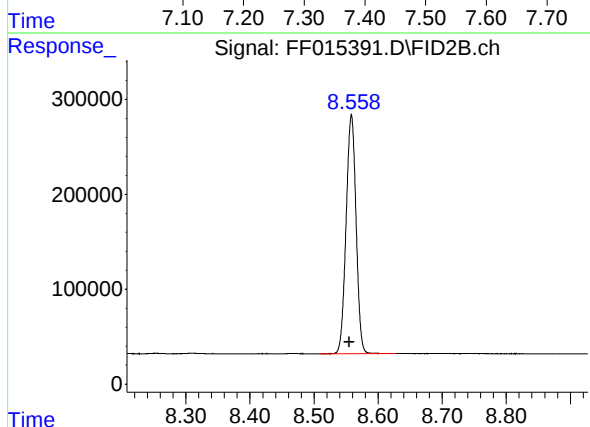
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.363 min
Delta R.T.: 0.002 min
Response: 2717325
Conc: 19.31 ug/ml

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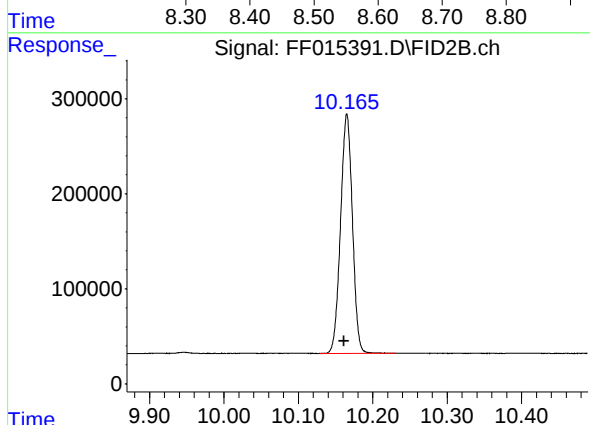
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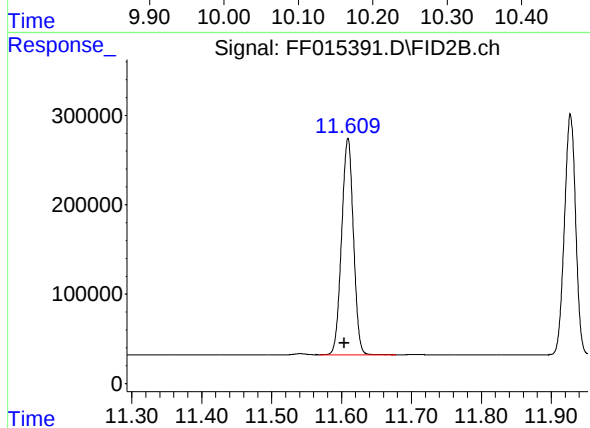
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.003 min
Response: 2700819
Conc: 19.99 ug/ml



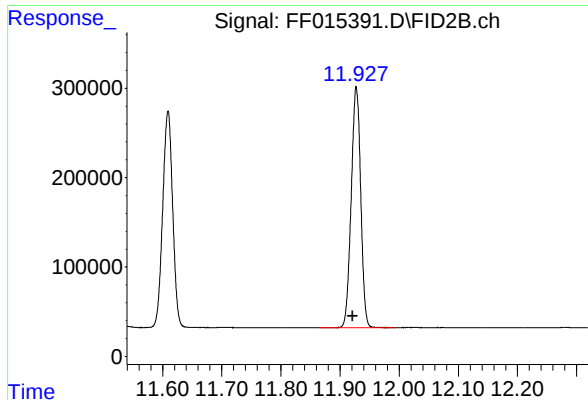
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: 0.004 min
Response: 2791298
Conc: 19.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: 0.005 min
Response: 2841926
Conc: 19.41 ug/ml



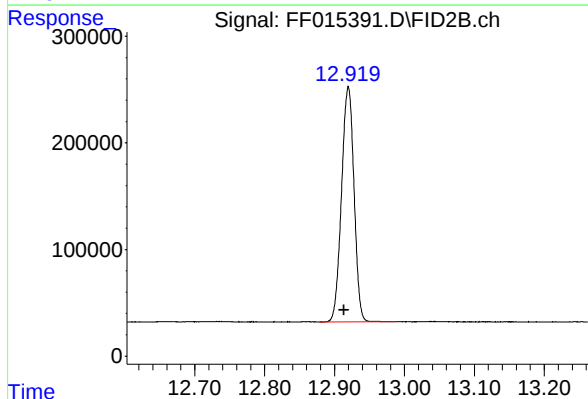
#9 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: 0.006 min
Response: 3004110
Conc: 18.89 ug/ml

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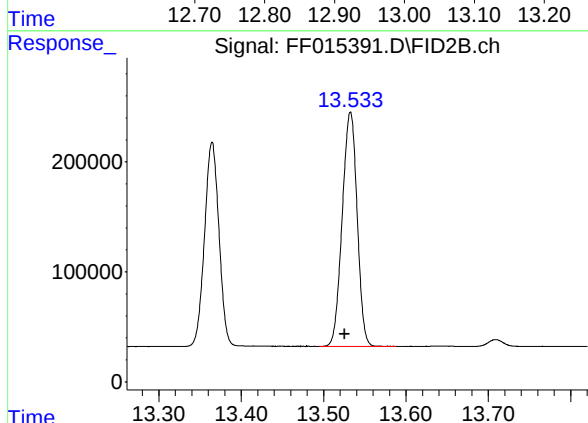
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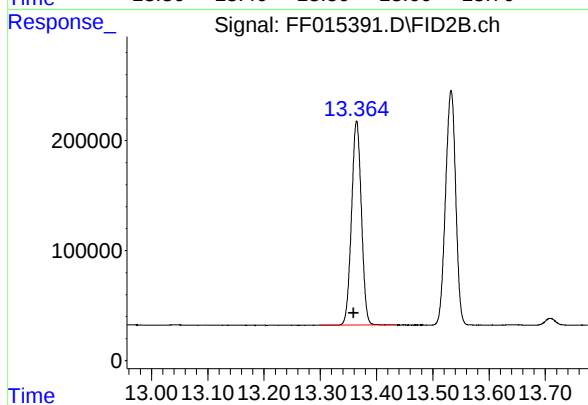
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.006 min
Response: 2734234
Conc: 18.96 ug/ml



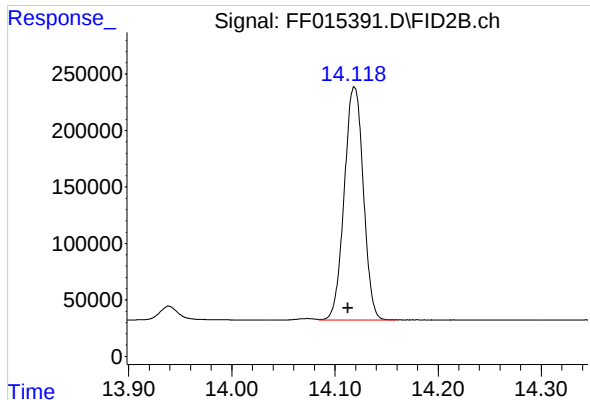
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: 0.007 min
Response: 2673866
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.365 min
Delta R.T.: 0.005 min
Response: 2260146
Conc: 18.13 ug/ml



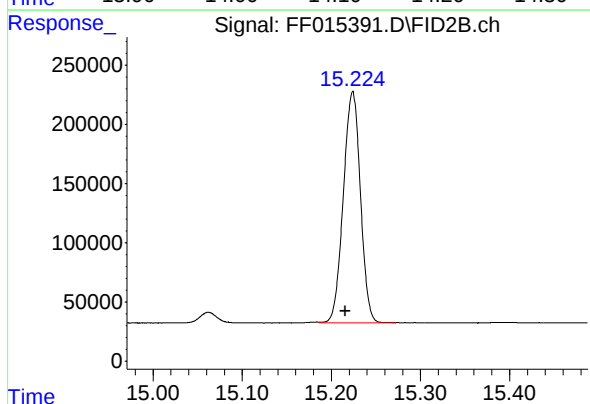
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: 0.006 min
Response: 2652312
Conc: 18.50 ug/ml

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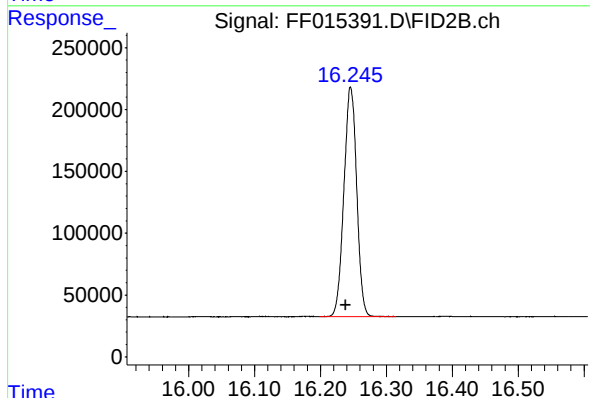
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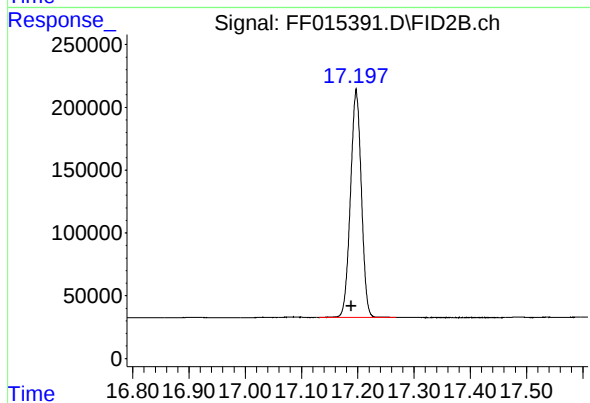
#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: 0.008 min
Response: 2607739
Conc: 17.98 ug/ml



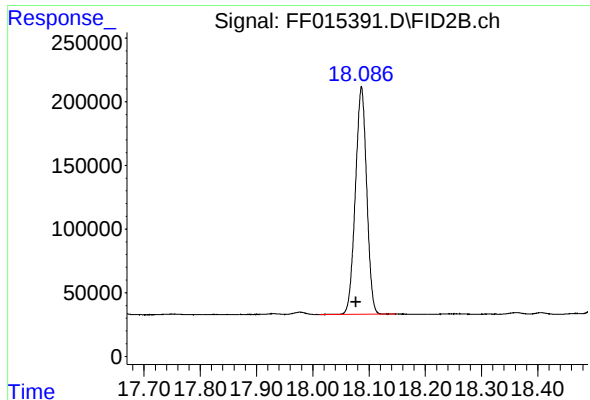
#15 n-Hexacosane (C26)

R.T.: 16.246 min
Delta R.T.: 0.008 min
Response: 2500738
Conc: 17.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.197 min
Delta R.T.: 0.009 min
Response: 2445172
Conc: 17.57 ug/ml



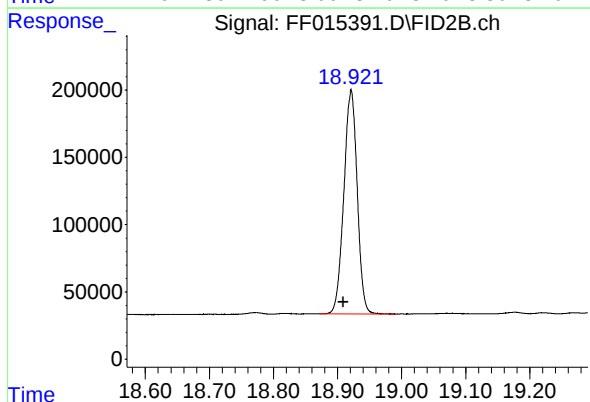
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: 0.010 min
Response: 2489226
Conc: 17.87 ug/ml

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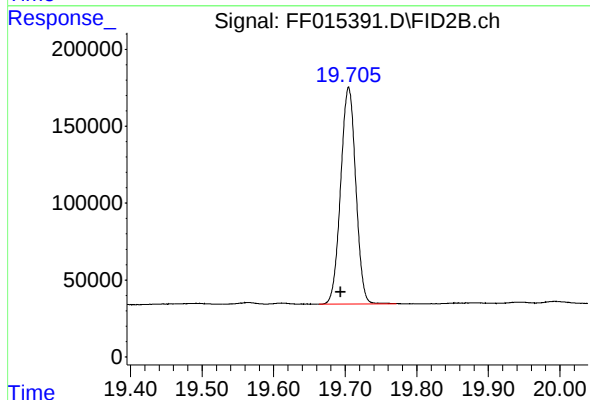
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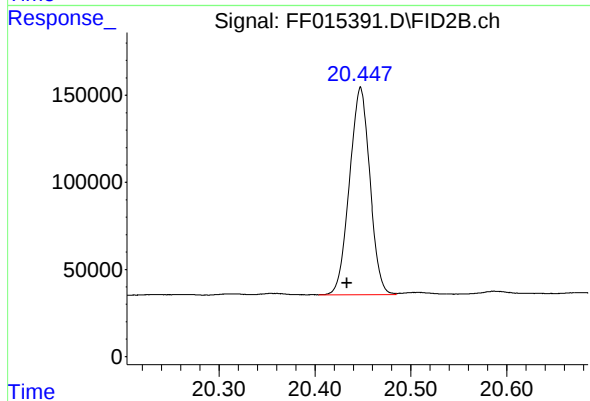
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: 0.012 min
Response: 2400323
Conc: 18.40 ug/ml



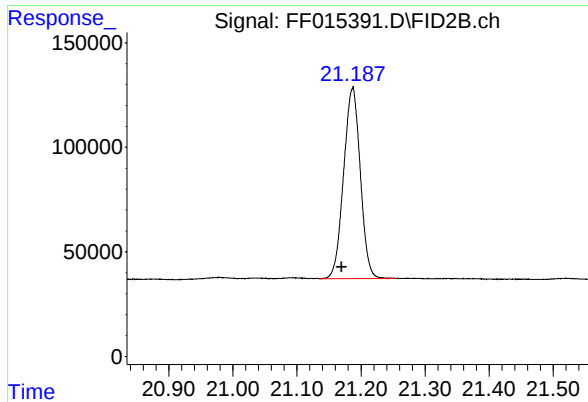
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: 0.011 min
Response: 2075181
Conc: 19.09 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: 0.014 min
Response: 1768865
Conc: 20.11 ug/ml m



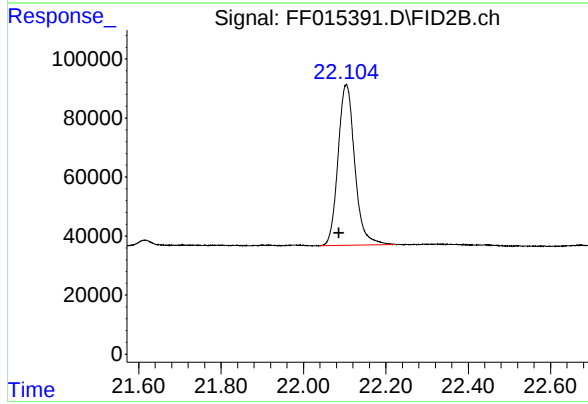
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: 0.016 min
Response: 1644049
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: 0.018 min
Response: 1533178
Conc: 19.32 ug/ml