

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
 Data File : FF015742.D
 Signal(s) : FID2B.ch
 Acq On : 28 Mar 2025 11:38
 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 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
 Quant Time: Mar 29 01:01:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.936	3069756	20.149 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
12) S 1-chlorooctadecane (S...	13.370	2343889	20.652 ug/ml
Spiked Amount 50.000		Recovery =	41.30%
Target Compounds			
1) T n-Nonane (C9)	3.311	2472055	19.517 ug/ml
2) T n-Decane (C10)	4.567	2509850	19.545 ug/ml
3) T A~Naphthalene (C11.7)	6.283	2496299	19.234 ug/ml
4) T n-Dodecane (C12)	6.733	2608392	20.015 ug/ml
5) T A~2-methylnaphthalene...	7.386	2211272	18.660 ug/ml
6) T n-Tetradecane (C14)	8.561	2608412	20.141 ug/ml
7) T n-Hexadecane (C16)	10.168	2697792	20.174 ug/ml
8) T n-Octadecane (C18)	11.611	2780033	20.189 ug/ml
10) T n-Eicosane (C20)	12.922	2749695	20.402 ug/ml
11) T n-Heneicosane (C21)	13.534	2729441	20.423 ug/ml
13) T n-Docosane (C22)	14.122	2775660	20.742 ug/ml
14) T n-Tetracosane (C24)	15.225	2813034	21.013 ug/ml
15) T n-Hexacosane (C26)	16.248	2801023	21.416 ug/ml
16) T n-Octacosane (C28)	17.199	2788307	21.345 ug/mlm
17) T n-Tricontane (C30)	18.086	2887267	21.411 ug/ml
18) T n-Dotriacontane (C32)	18.919	2797325	21.451 ug/ml
19) T n-Tetratriacontane (C34)	19.703	2439524	20.899 ug/ml
20) T n-Hexatriacontane (C36)	20.444	2020973	20.359 ug/ml
21) T n-Octatriacontane (C38)	21.182	1584962	18.140 ug/ml
22) T n-Tetracontane (C40)	22.102	1373488	17.114 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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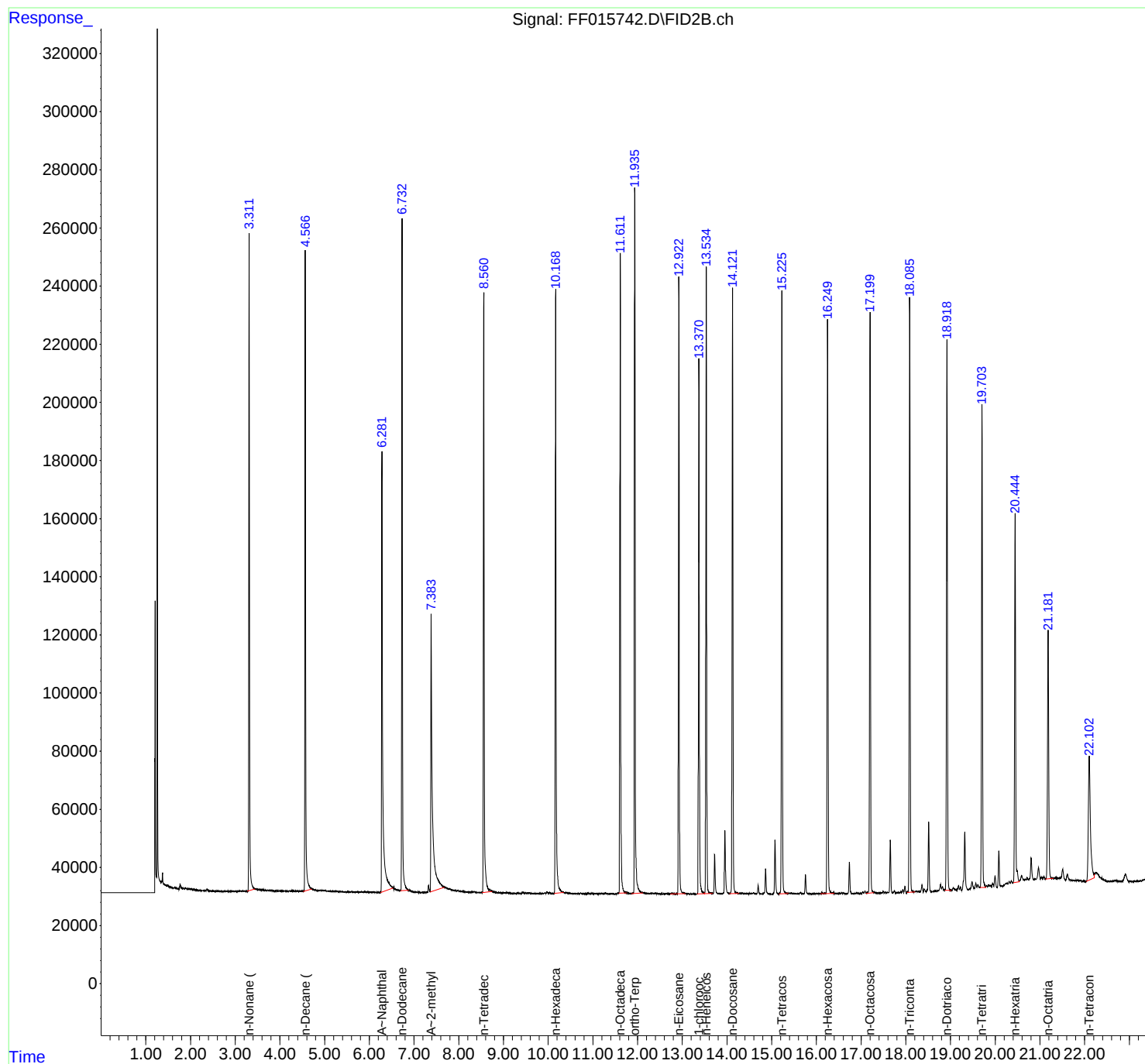
Instrument :
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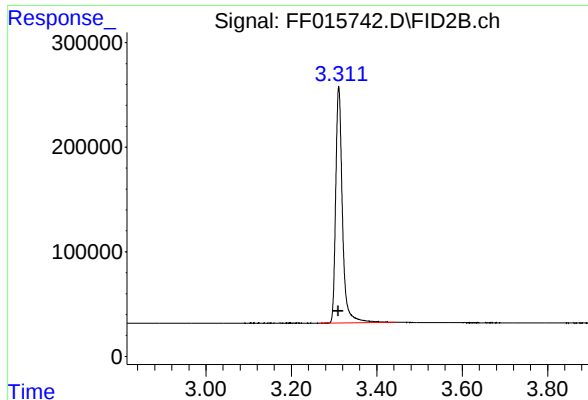
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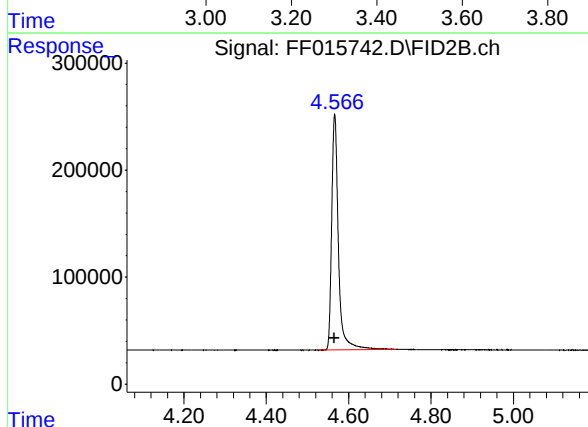
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: 0.001 min
Response: 2472055
Conc: 19.52 ug/ml

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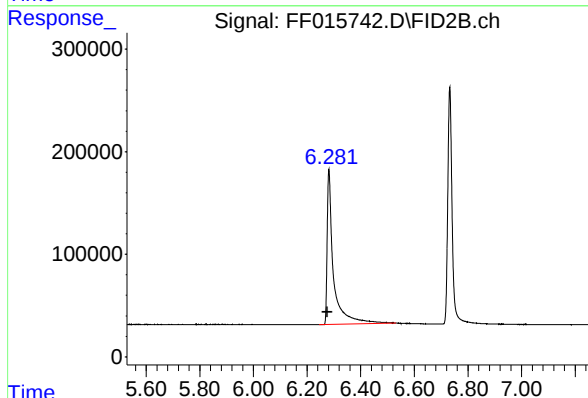
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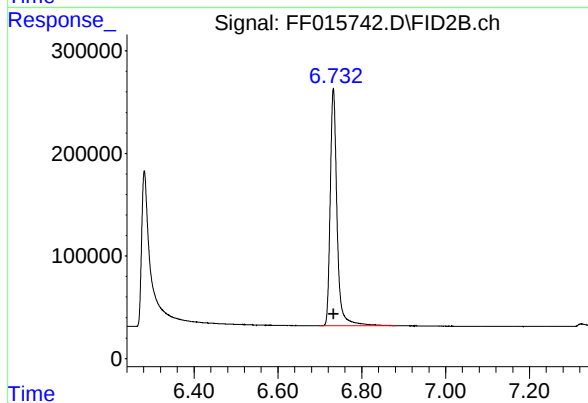
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 2509850
Conc: 19.54 ug/ml



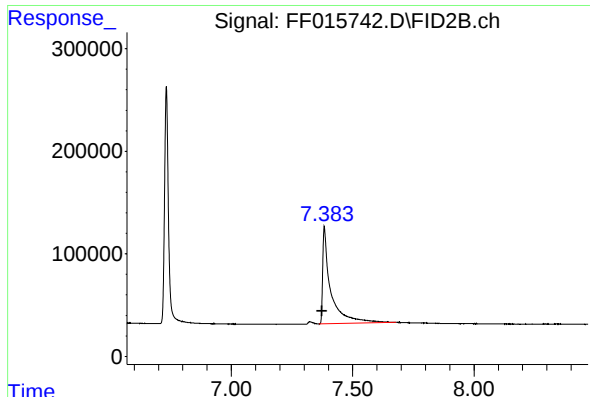
#3 A~Naphthalene (C11.7)

R.T.: 6.283 min
Delta R.T.: 0.007 min
Response: 2496299
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2608392
Conc: 20.02 ug/ml



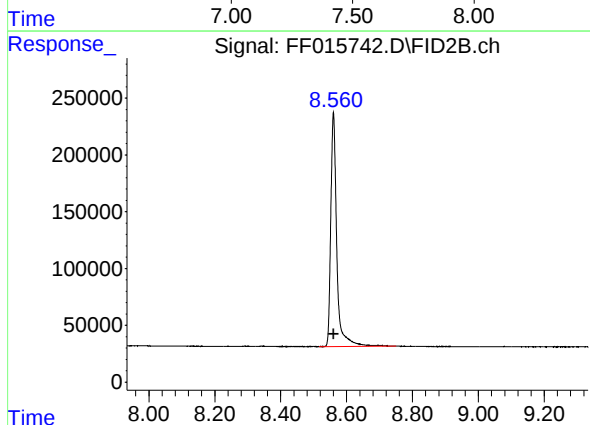
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: 0.012 min
Response: 2211272
Conc: 18.66 ug/ml

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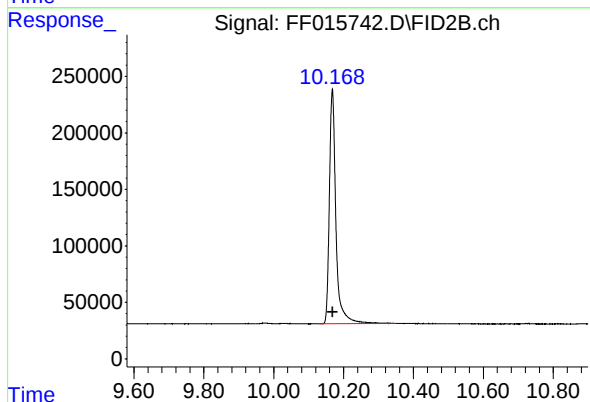
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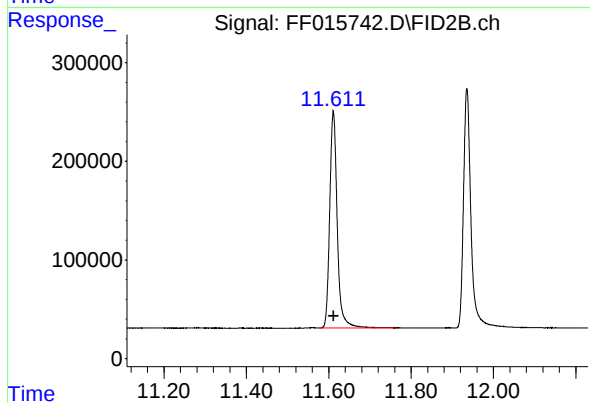
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 2608412
Conc: 20.14 ug/ml



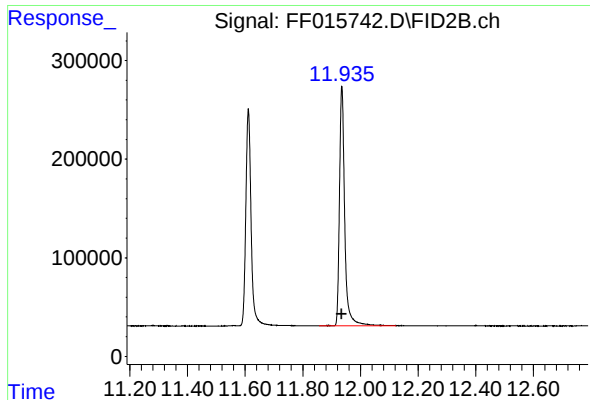
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2697792
Conc: 20.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 2780033
Conc: 20.19 ug/ml



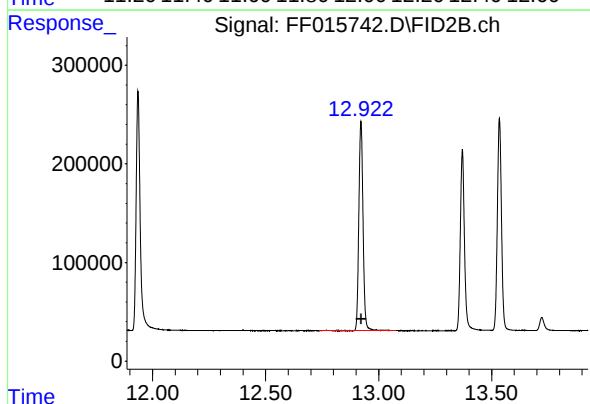
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3069756
Conc: 20.15 ug/ml

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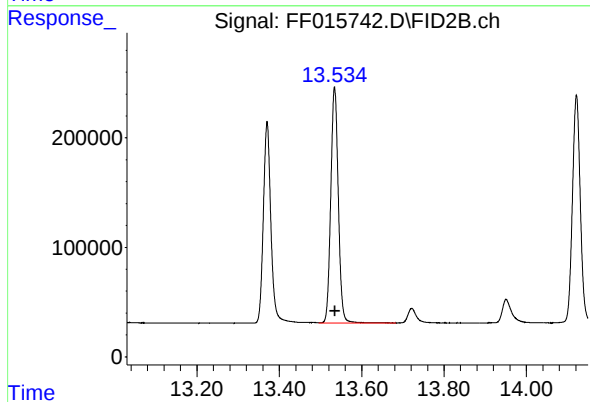
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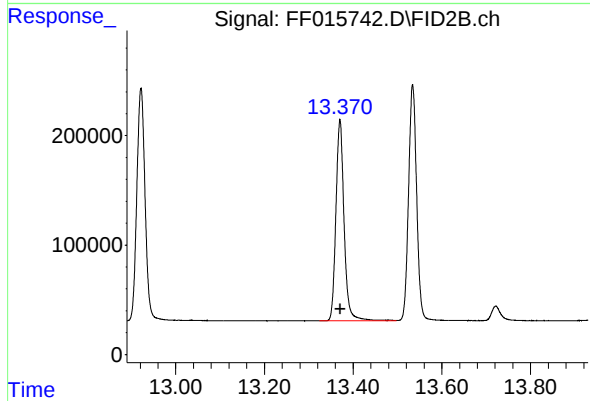
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: -0.001 min
Response: 2749695
Conc: 20.40 ug/ml



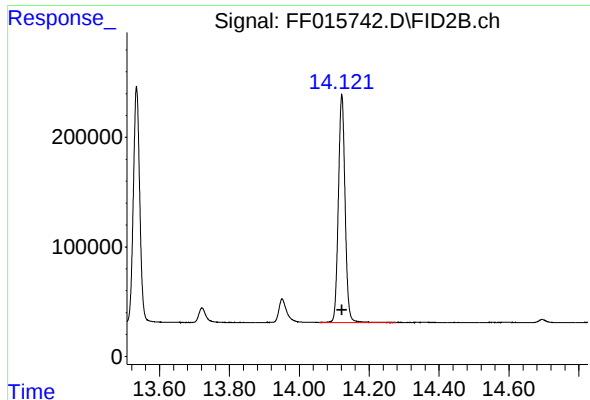
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.001 min
Response: 2729441
Conc: 20.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2343889
Conc: 20.65 ug/ml



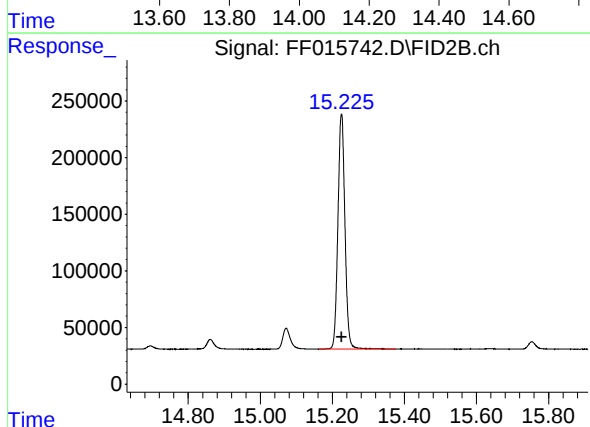
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2775660
Conc: 20.74 ug/ml

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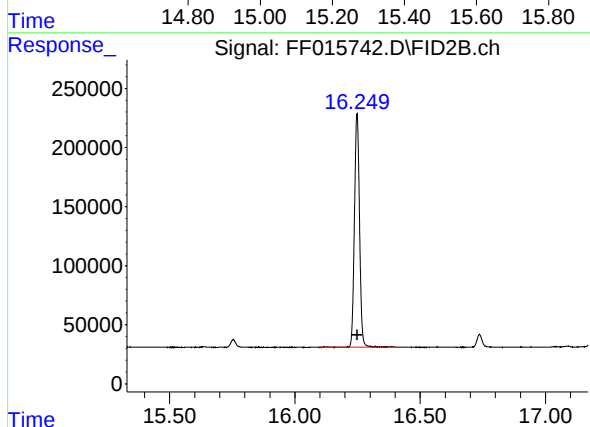
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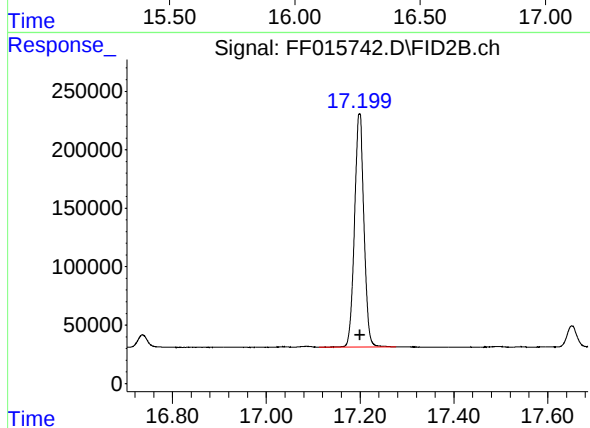
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.001 min
Response: 2813034
Conc: 21.01 ug/ml



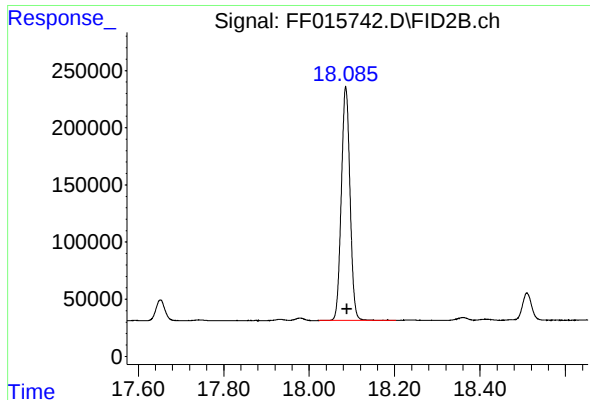
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.002 min
Response: 2801023
Conc: 21.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 2788307
Conc: 21.34 ug/ml m



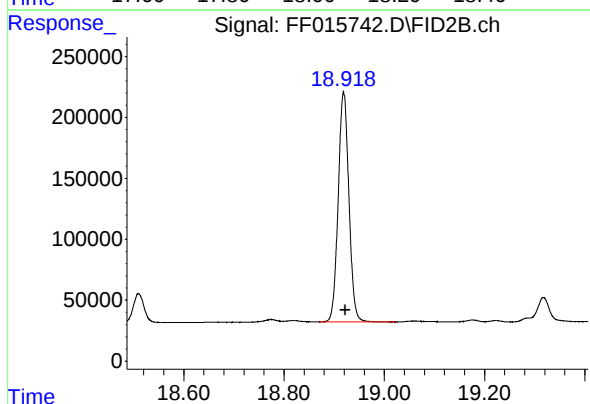
#17 n-Tricontane (C30)

R.T.: 18.086 min
Delta R.T.: -0.003 min
Response: 2887267
Conc: 21.41 ug/ml

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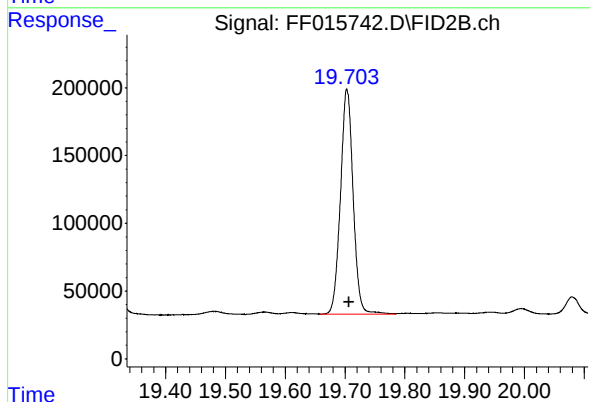
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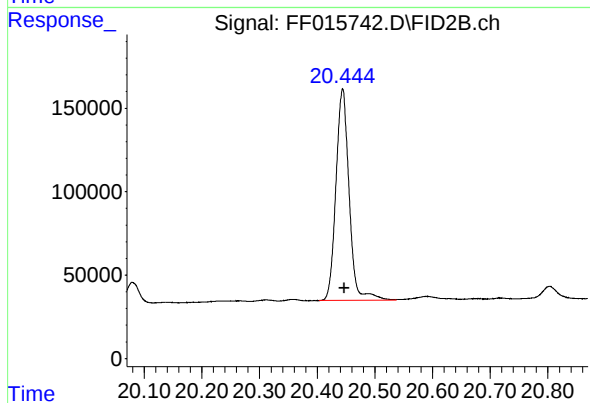
#18 n-Dotriacontane (C32)

R.T.: 18.919 min
Delta R.T.: -0.003 min
Response: 2797325
Conc: 21.45 ug/ml



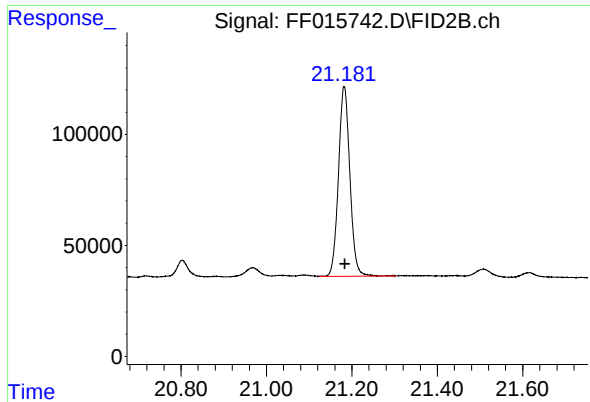
#19 n-Tetratriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.003 min
Response: 2439524
Conc: 20.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.004 min
Response: 2020973
Conc: 20.36 ug/ml



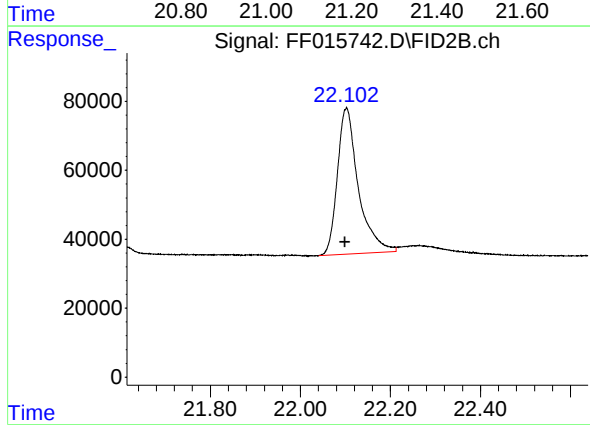
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.002 min
Response: 1584962
Conc: 18.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: 0.003 min
Response: 1373488
Conc: 17.11 ug/ml m