

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041025AL\
 Data File : FE053312.D
 Signal(s) : FID1B.ch
 Acq On : 10 Apr 2025 19:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File: autoint1.e
 Quant Time: Apr 11 02:10:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.888	2817576	17.298 ug/ml
Spiked Amount 50.000		Recovery =	34.60%
12) S 1-chlorooctadecane (S...	13.333	2223489	18.522 ug/ml
Spiked Amount 50.000		Recovery =	37.04%
Target Compounds			
1) T n-Nonane (C9)	3.235	2645128	17.083 ug/ml
2) T n-Decane (C10)	4.496	2805071	17.883 ug/ml
3) T A~Naphthalene (C11.7)	6.208	2950466	17.563 ug/ml
4) T n-Dodecane (C12)	6.675	2829919	18.094 ug/ml
5) T A~2-methylnaphthalene...	7.310	2822015	17.686 ug/ml
6) T n-Tetradecane (C14)	8.511	2785423	18.192 ug/ml
7) T n-Hexadecane (C16)	10.125	2815765	18.267 ug/ml
8) T n-Octadecane (C18)	11.573	2755684	18.169 ug/ml
10) T n-Eicosane (C20)	12.887	2588950	18.158 ug/ml
11) T n-Heneicosane (C21)	13.501	2483756	17.898 ug/ml
13) T n-Docosane (C22)	14.089	2517711	18.383 ug/ml
14) T n-Tetracosane (C24)	15.194	2613434	19.350 ug/mlm
15) T n-Hexacosane (C26)	16.218	2706115	20.285 ug/ml
16) T n-Octacosane (C28)	17.170	2814972	21.331 ug/mlm
17) T n-Tricontane (C30)	18.059	2977319	21.966 ug/ml
18) T n-Dotriacontane (C32)	18.893	2944592	21.883 ug/ml
19) T n-Tetratriacontane (C34)	19.679	2598101	20.079 ug/ml
20) T n-Hexatriacontane (C36)	20.419	2302444	19.382 ug/ml
21) T n-Octatriacontane (C38)	21.157	2167045	18.854 ug/ml
22) T n-Tetracontane (C40)	22.070	1832643	16.317 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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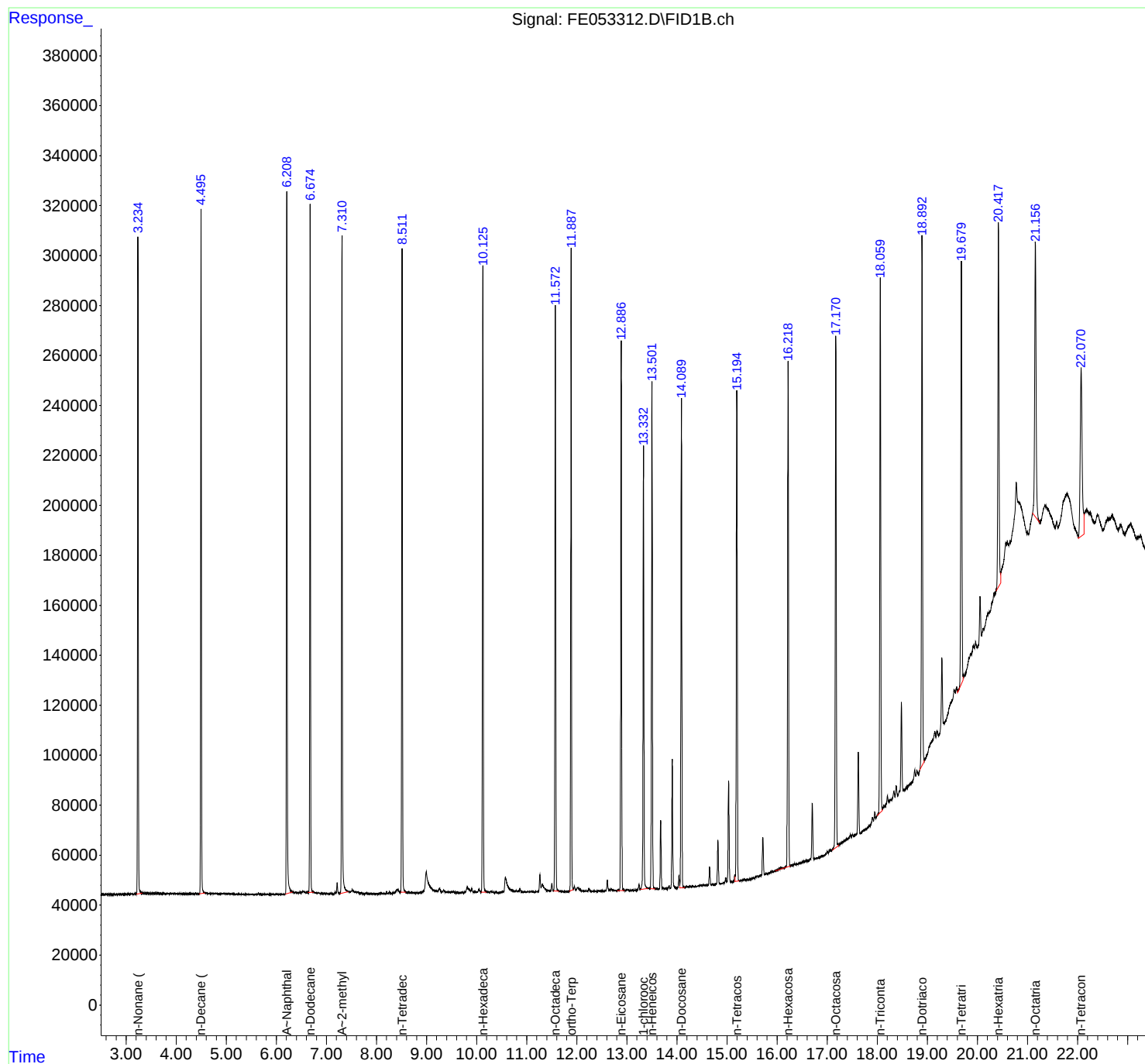
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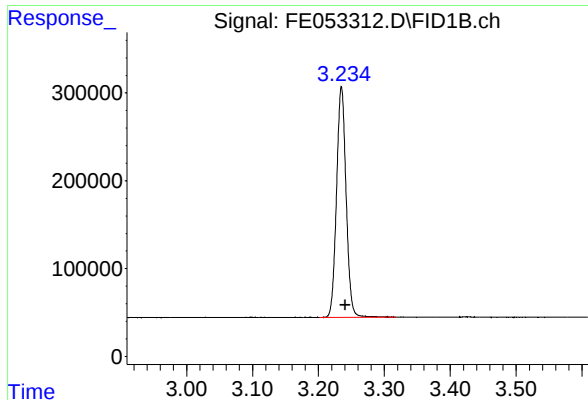
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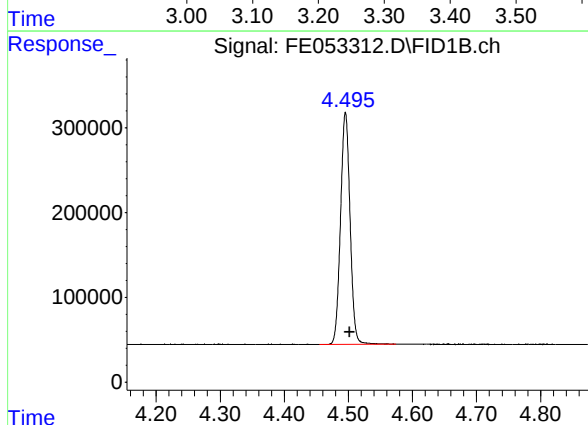
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.006 min
Response: 2645128
Conc: 17.08 ug/ml

Instrument : FID_E
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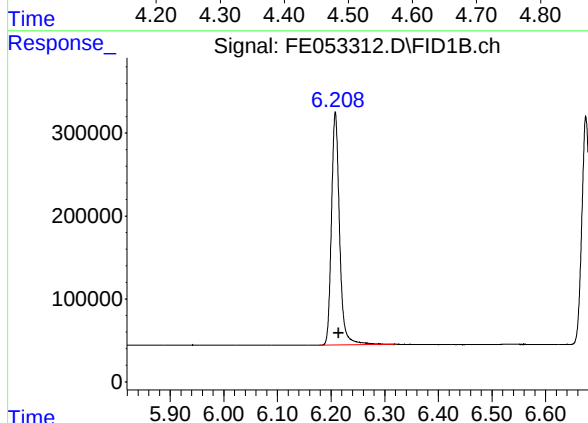
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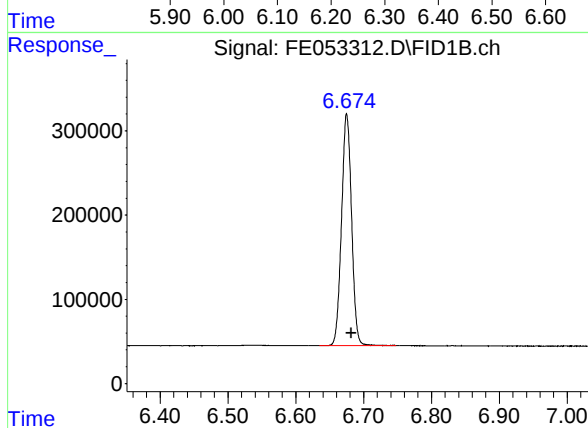
#2 n-Decane (C10)

R.T.: 4.496 min
Delta R.T.: -0.006 min
Response: 2805071
Conc: 17.88 ug/ml



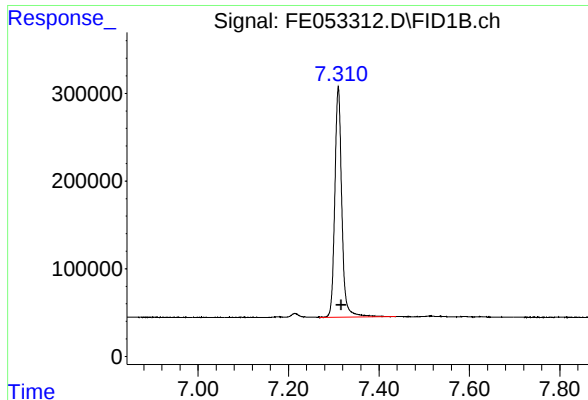
#3 A~Naphthalene (C11.7)

R.T.: 6.208 min
Delta R.T.: -0.006 min
Response: 2950466
Conc: 17.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.007 min
Response: 2829919
Conc: 18.09 ug/ml



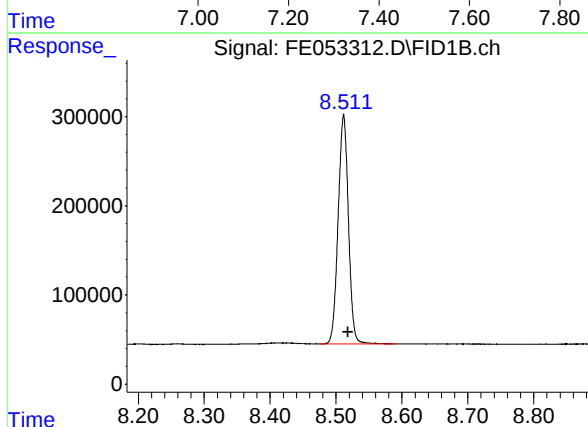
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.006 min
Response: 2822015
Conc: 17.69 ug/ml

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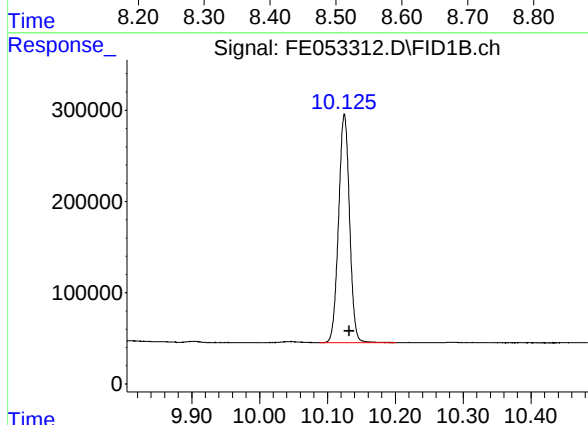
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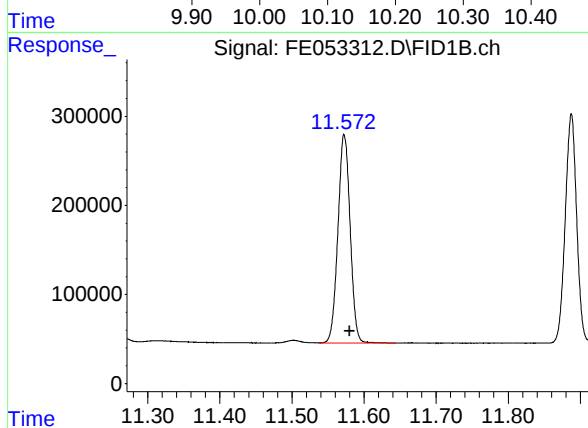
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: -0.007 min
Response: 2785423
Conc: 18.19 ug/ml



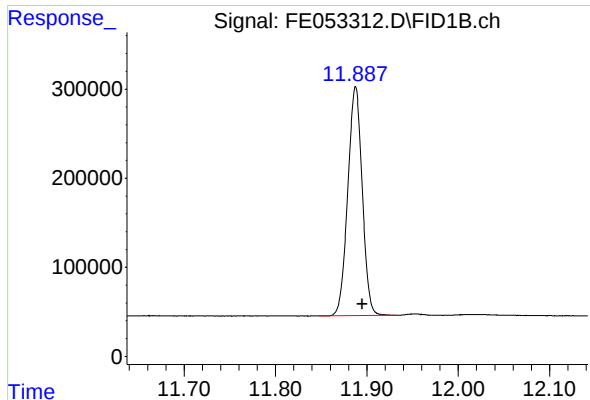
#7 n-Hexadecane (C16)

R.T.: 10.125 min
Delta R.T.: -0.007 min
Response: 2815765
Conc: 18.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.573 min
Delta R.T.: -0.008 min
Response: 2755684
Conc: 18.17 ug/ml



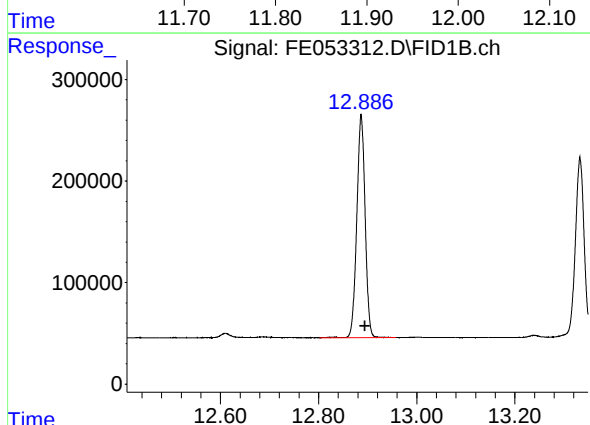
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.008 min
Response: 2817576
Conc: 17.30 ug/ml

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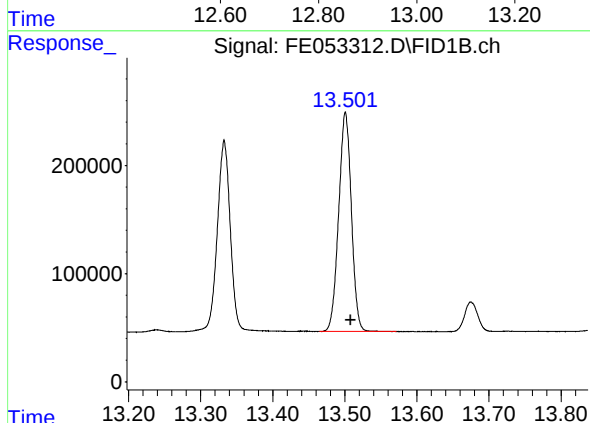
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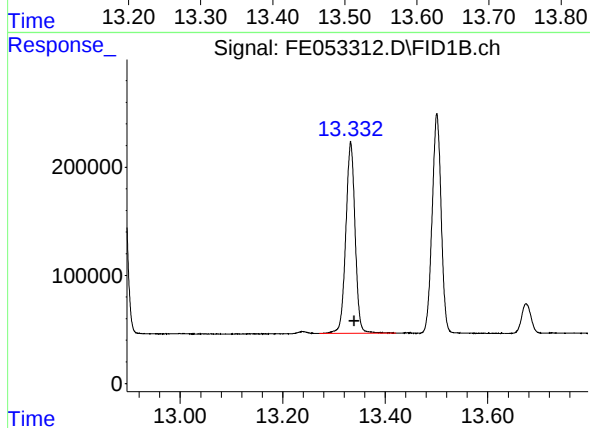
#10 n-Eicosane (C20)

R.T.: 12.887 min
Delta R.T.: -0.007 min
Response: 2588950
Conc: 18.16 ug/ml



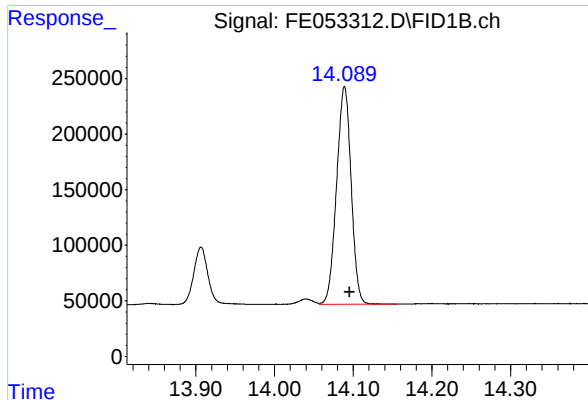
#11 n-Heneicosane (C21)

R.T.: 13.501 min
Delta R.T.: -0.007 min
Response: 2483756
Conc: 17.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.333 min
Delta R.T.: -0.007 min
Response: 2223489
Conc: 18.52 ug/ml



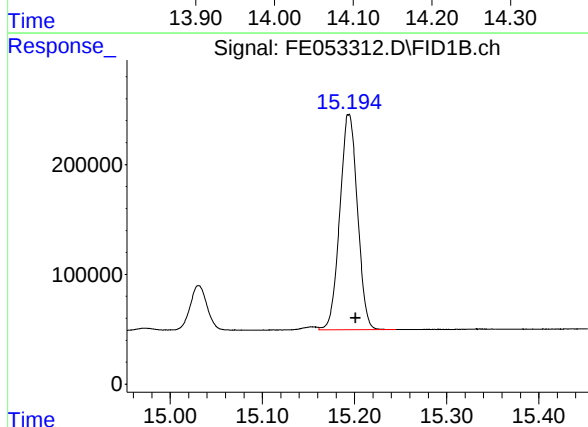
#13 n-Docosane (C22)

R.T.: 14.089 min
Delta R.T.: -0.007 min
Response: 2517711
Conc: 18.38 ug/ml

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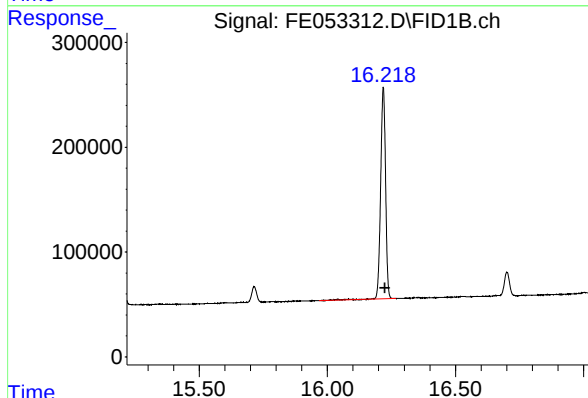
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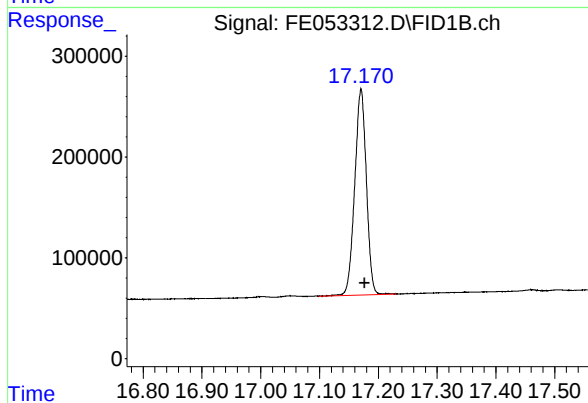
#14 n-Tetracosane (C24)

R.T.: 15.194 min
Delta R.T.: -0.007 min
Response: 2613434
Conc: 19.35 ug/ml m



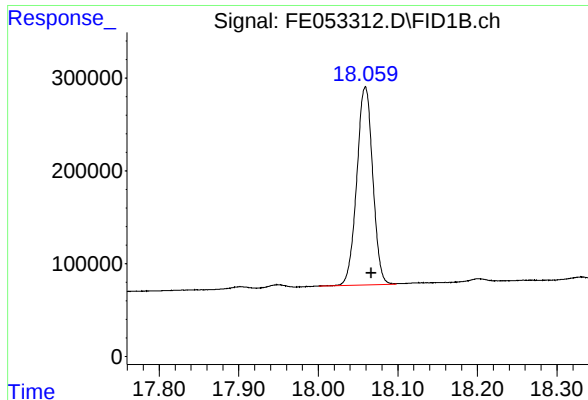
#15 n-Hexacosane (C26)

R.T.: 16.218 min
Delta R.T.: -0.007 min
Response: 2706115
Conc: 20.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.170 min
Delta R.T.: -0.006 min
Response: 2814972
Conc: 21.33 ug/ml m



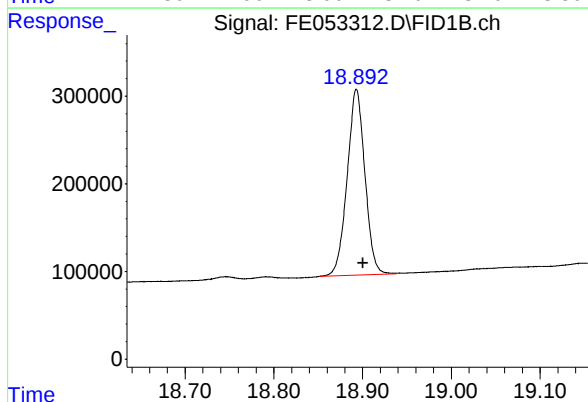
#17 n-Tricontane (C30)

R.T.: 18.059 min
Delta R.T.: -0.007 min
Response: 2977319
Conc: 21.97 ug/ml

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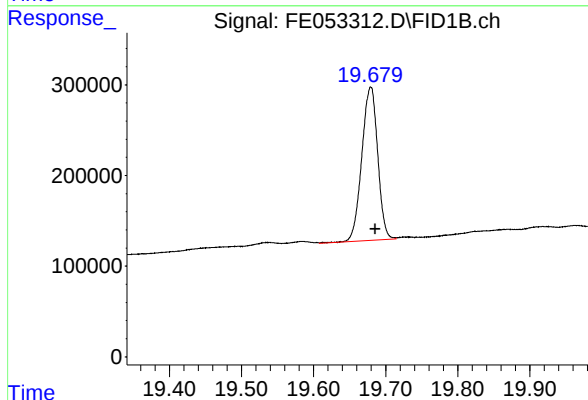
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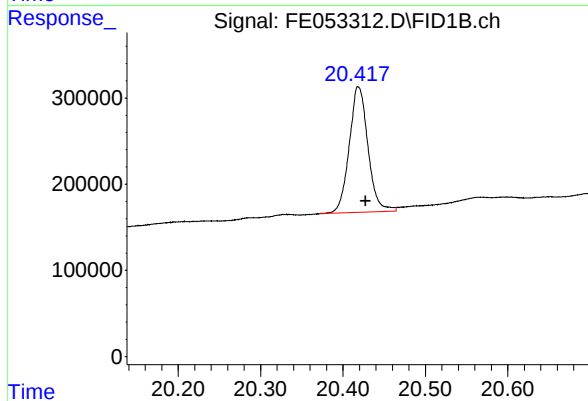
#18 n-Dotriacontane (C32)

R.T.: 18.893 min
Delta R.T.: -0.007 min
Response: 2944592
Conc: 21.88 ug/ml



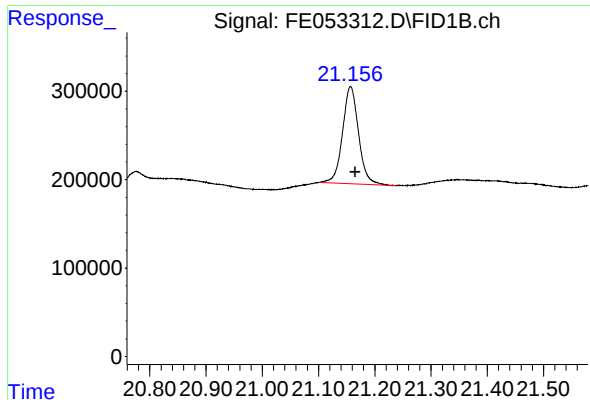
#19 n-Tetratriacontane (C34)

R.T.: 19.679 min
Delta R.T.: -0.007 min
Response: 2598101
Conc: 20.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.419 min
Delta R.T.: -0.009 min
Response: 2302444
Conc: 19.38 ug/ml



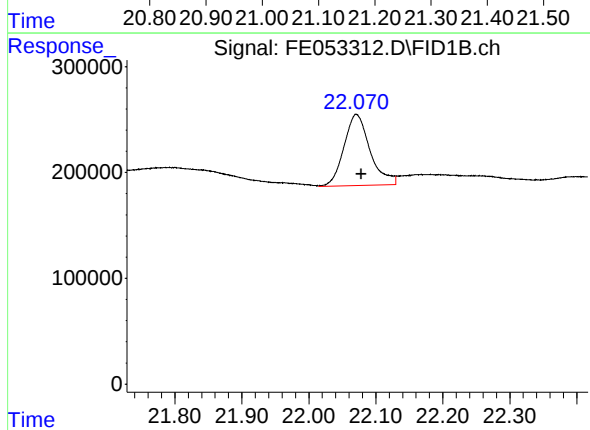
#21 n-Octatriacontane (C38)

R.T.: 21.157 min
Delta R.T.: -0.008 min
Response: 2167045
Conc: 18.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.070 min
Delta R.T.: -0.008 min
Response: 1832643
Conc: 16.32 ug/ml m