

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032725AL\
 Data File : FE053014.D
 Signal(s) : FID1B.ch
 Acq On : 27 Mar 2025 11:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/31/2025

Integration File: autoint1.e
 Quant Time: Mar 27 12:15:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.898	3226232	19.137 ug/ml
Spiked Amount 50.000		Recovery =	38.27%
12) S 1-chlorooctadecane (S...	13.342	2409627	19.844 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
Target Compounds			
1) T n-Nonane (C9)	3.243	3105464	20.029 ug/ml
2) T n-Decane (C10)	4.504	3163588	20.138 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3384973	19.960 ug/ml
4) T n-Dodecane (C12)	6.684	3142398	20.182 ug/ml
5) T A~2-methylnaphthalene...	7.319	3223294	19.890 ug/ml
6) T n-Tetradecane (C14)	8.520	3061091	20.231 ug/ml
7) T n-Hexadecane (C16)	10.134	3102263	20.291 ug/ml
8) T n-Octadecane (C18)	11.582	3054121	20.074 ug/ml
10) T n-Eicosane (C20)	12.896	2873053	19.790 ug/ml
11) T n-Heneicosane (C21)	13.510	2800470	19.676 ug/ml
13) T n-Docosane (C22)	14.098	2775841	19.506 ug/ml
14) T n-Tetracosane (C24)	15.205	2755878	19.257 ug/ml
15) T n-Hexacosane (C26)	16.229	2719749	19.127 ug/ml
16) T n-Octacosane (C28)	17.180	2714650	19.091 ug/ml
17) T n-Tricontane (C30)	18.070	2812482	19.042 ug/ml
18) T n-Dotriacontane (C32)	18.904	2779985	19.149 ug/ml
19) T n-Tetratriacontane (C34)	19.689	2586292	19.189 ug/ml
20) T n-Hexatriacontane (C36)	20.430	2364273	19.897 ug/mlm
21) T n-Octatriacontane (C38)	21.170	2362599	21.297 ug/mlm
22) T n-Tetracontane (C40)	22.088	2286135	21.145 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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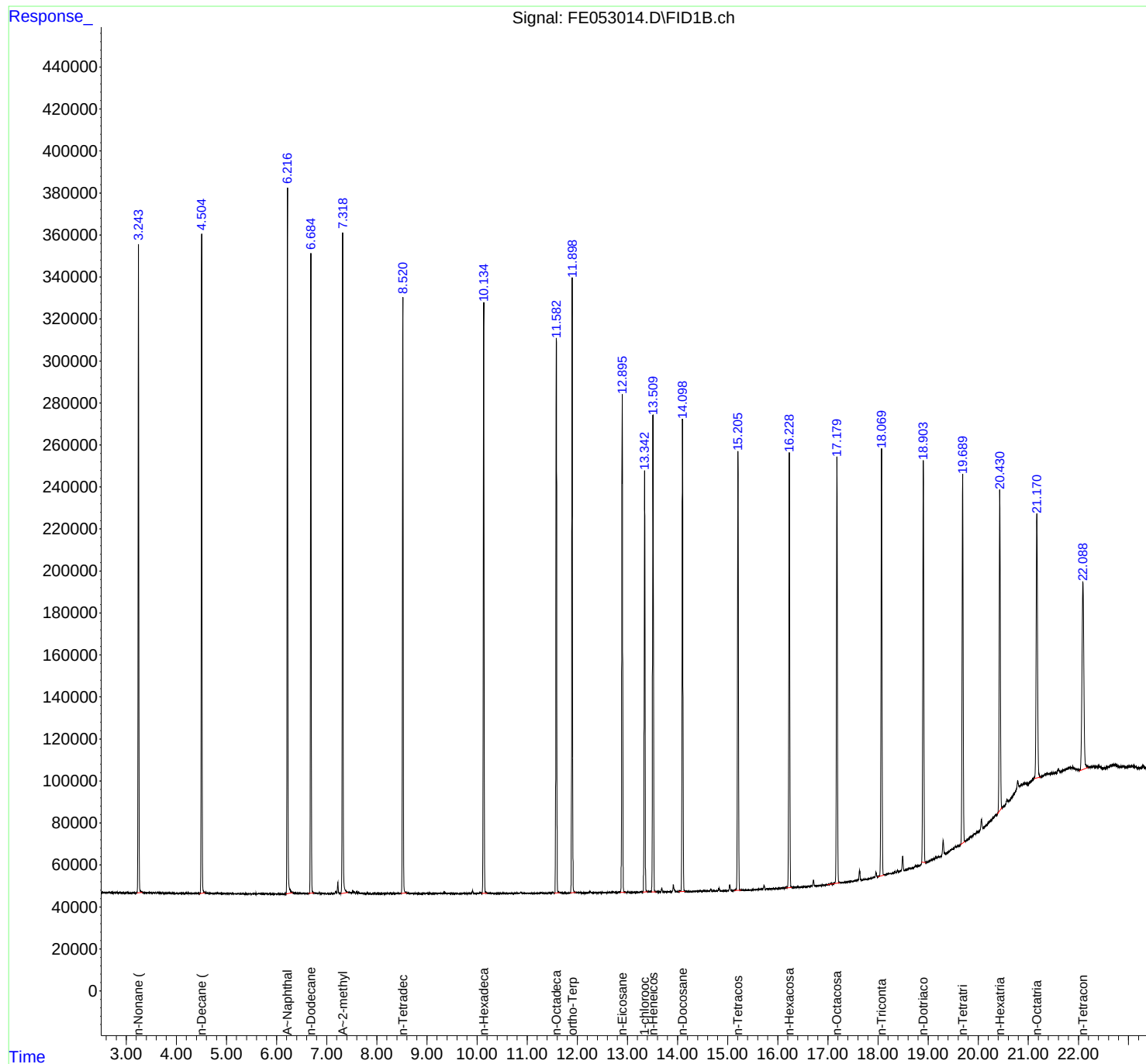
Instrument :
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20 PPM ALIPHATIC HC STD

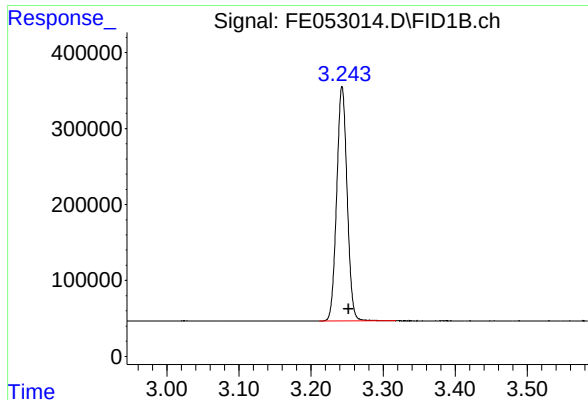
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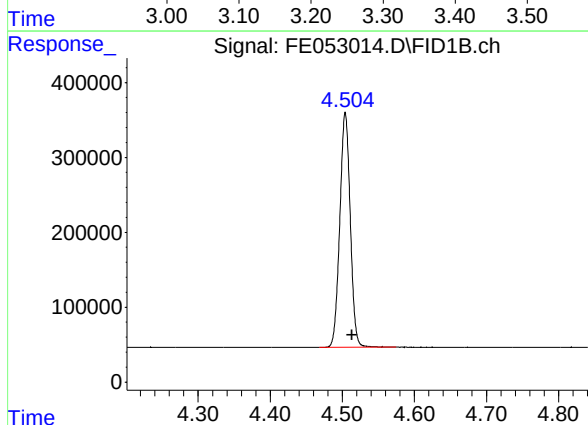
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.009 min
Response: 3105464
Conc: 20.03 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

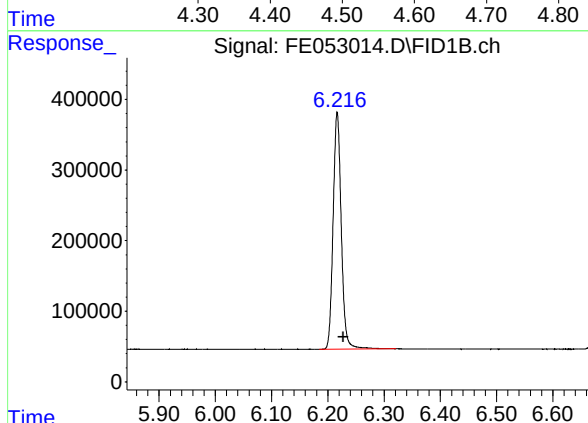
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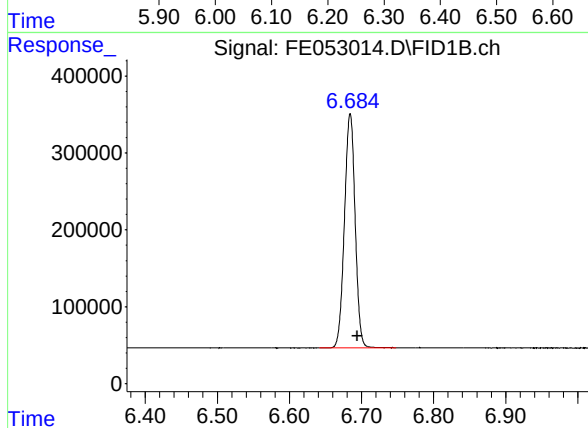
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: -0.010 min
Response: 3163588
Conc: 20.14 ug/ml



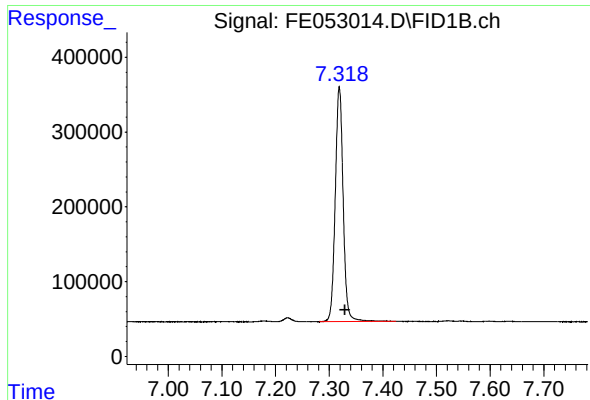
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.011 min
Response: 3384973
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.010 min
Response: 3142398
Conc: 20.18 ug/ml



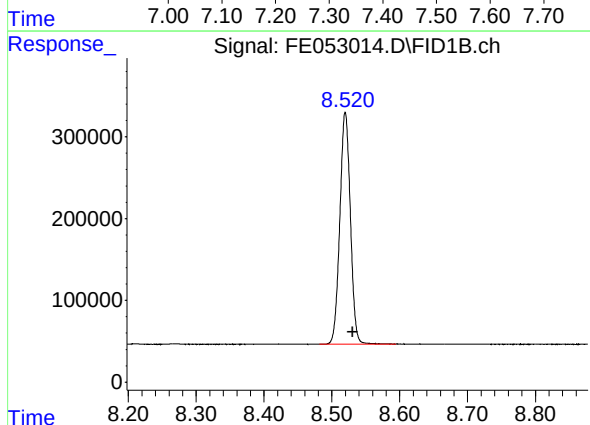
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.011 min
Response: 3223294
Conc: 19.89 ug/ml

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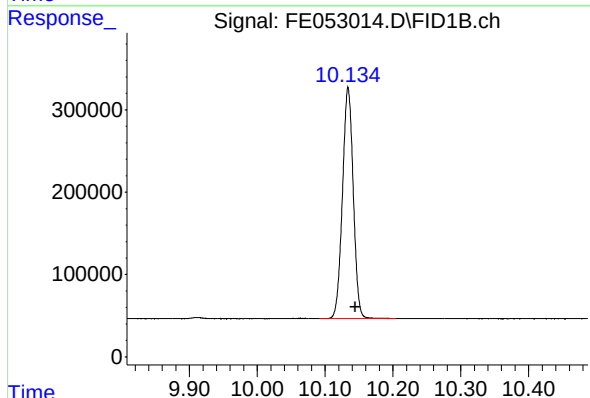
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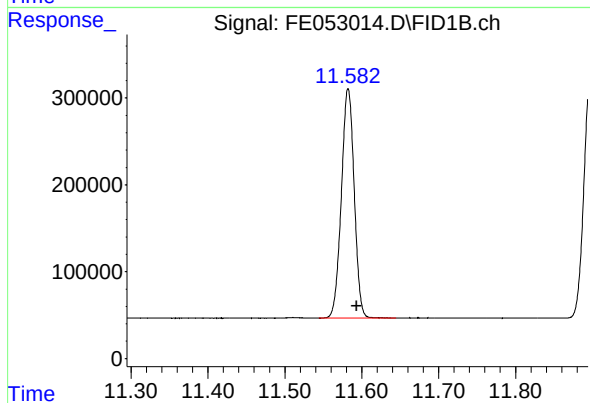
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: -0.011 min
Response: 3061091
Conc: 20.23 ug/ml



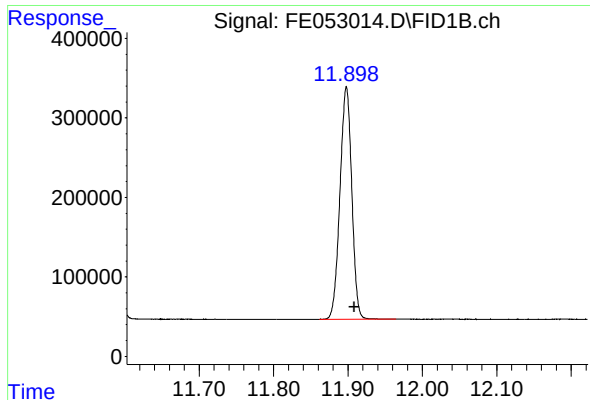
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: -0.011 min
Response: 3102263
Conc: 20.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.582 min
Delta R.T.: -0.011 min
Response: 3054121
Conc: 20.07 ug/ml



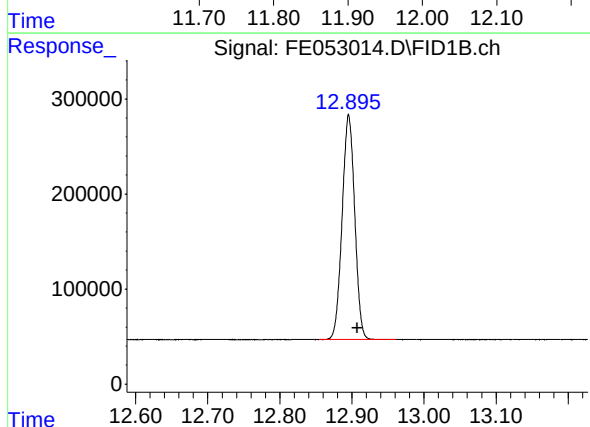
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: -0.011 min
Response: 3226232
Conc: 19.14 ug/ml

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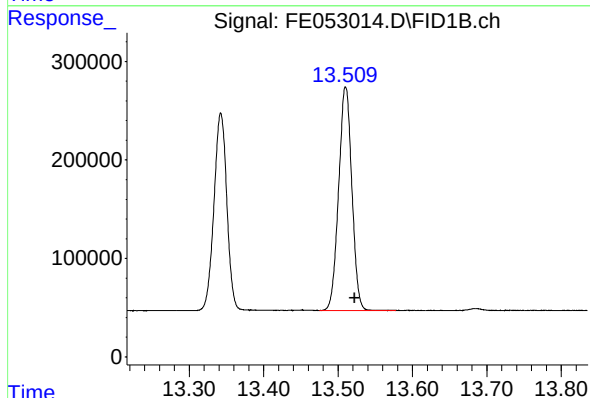
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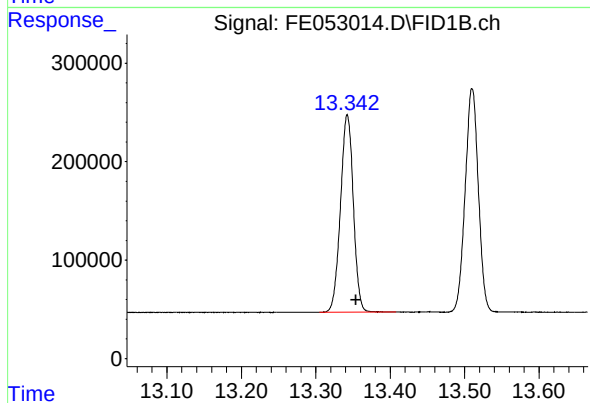
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: -0.012 min
Response: 2873053
Conc: 19.79 ug/ml



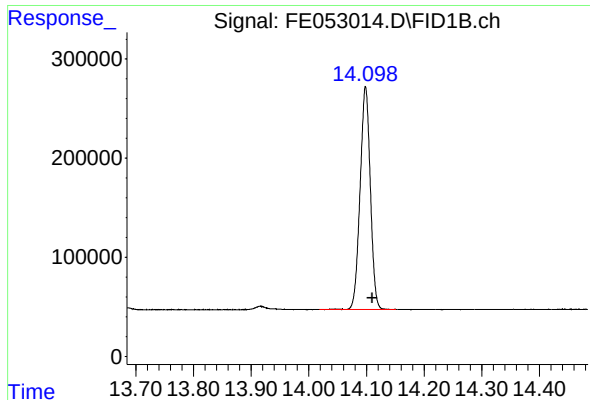
#11 n-Heneicosane (C21)

R.T.: 13.510 min
Delta R.T.: -0.012 min
Response: 2800470
Conc: 19.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.012 min
Response: 2409627
Conc: 19.84 ug/ml



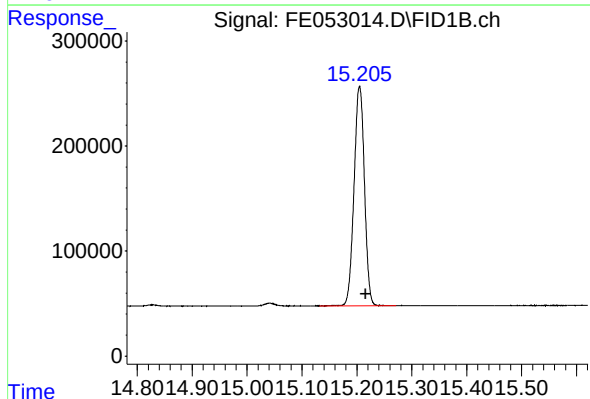
#13 n-Docosane (C22)

R.T.: 14.098 min
Delta R.T.: -0.012 min
Response: 2775841
Conc: 19.51 ug/ml

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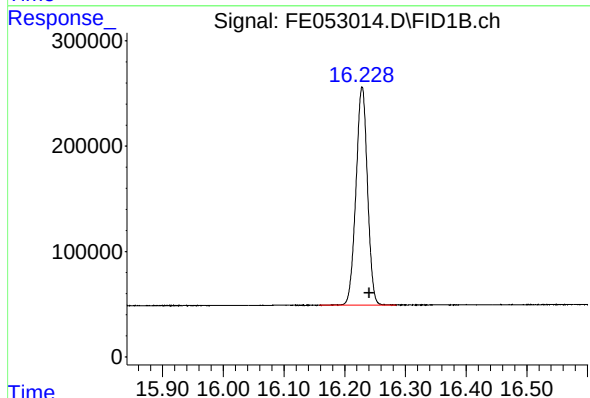
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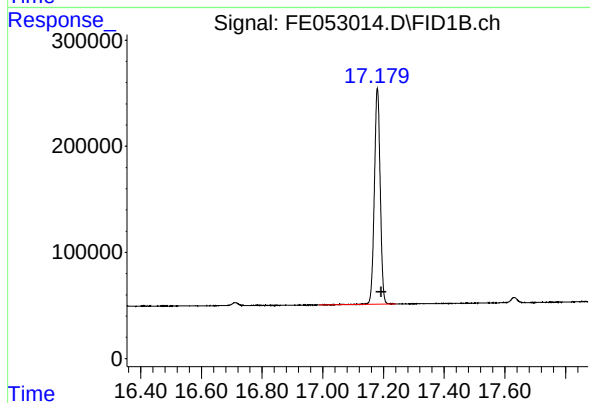
#14 n-Tetracosane (C24)

R.T.: 15.205 min
Delta R.T.: -0.011 min
Response: 2755878
Conc: 19.26 ug/ml



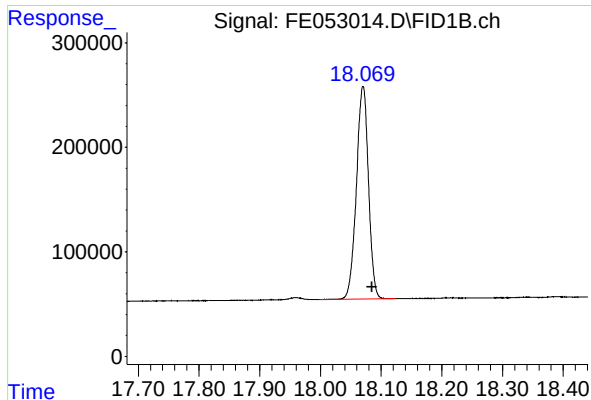
#15 n-Hexacosane (C26)

R.T.: 16.229 min
Delta R.T.: -0.012 min
Response: 2719749
Conc: 19.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.180 min
Delta R.T.: -0.012 min
Response: 2714650
Conc: 19.09 ug/ml



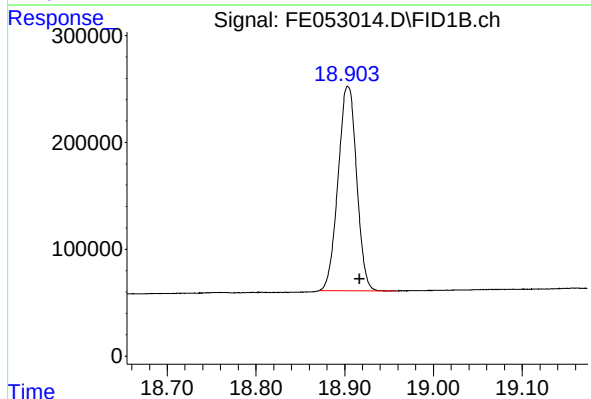
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: -0.015 min
Response: 2812482
Conc: 19.04 ug/ml

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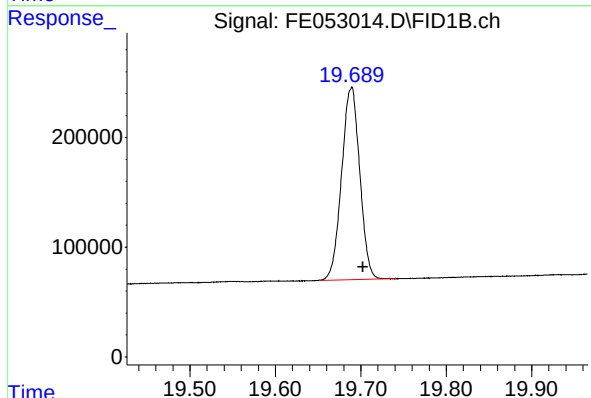
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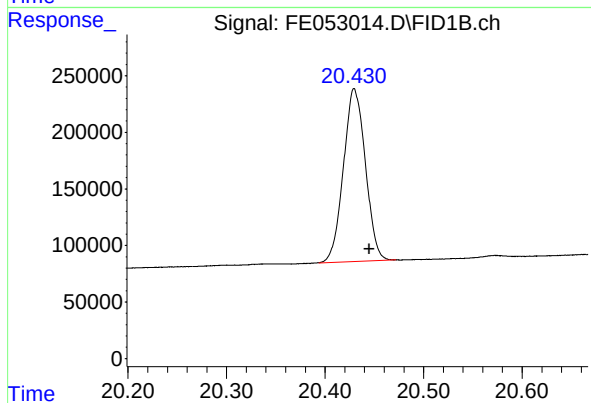
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: -0.013 min
Response: 2779985
Conc: 19.15 ug/ml



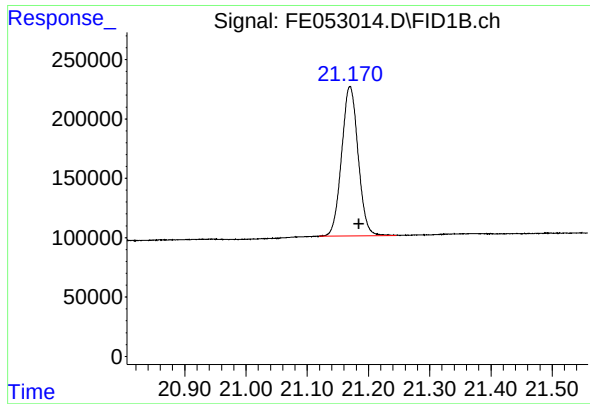
#19 n-Tetratriacontane (C34)

R.T.: 19.689 min
Delta R.T.: -0.014 min
Response: 2586292
Conc: 19.19 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.430 min
Delta R.T.: -0.015 min
Response: 2364273
Conc: 19.90 ug/ml m



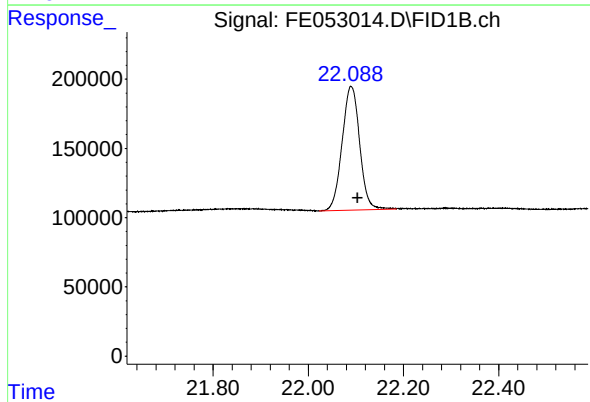
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: -0.015 min
Response: 2362599
Conc: 21.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: -0.016 min
Response: 2286135
Conc: 21.15 ug/ml m