

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050825AL\
 Data File : FE053727.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 00:02
 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 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e
 Quant Time: May 09 07:21:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.858	3577040	19.833 ug/ml
Spiked Amount 50.000		Recovery =	39.67%
12) S 1-chlorooctadecane (S...	13.303	2646282	19.577 ug/ml
Spiked Amount 50.000		Recovery =	39.15%
Target Compounds			
1) T n-Nonane (C9)	3.206	2974291	21.694 ug/ml
2) T n-Decane (C10)	4.468	3016276	21.804 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3279639	21.727 ug/ml
4) T n-Dodecane (C12)	6.648	3047542	21.730 ug/ml
5) T A~2-methylnaphthalene...	7.282	3170854	21.238 ug/ml
6) T n-Tetradecane (C14)	8.483	3014756	21.490 ug/ml
7) T n-Hexadecane (C16)	10.096	3011854	21.015 ug/ml
8) T n-Octadecane (C18)	11.544	2980862	20.454 ug/ml
10) T n-Eicosane (C20)	12.857	2894002	19.888 ug/ml
11) T n-Heneicosane (C21)	13.471	2851393	19.686 ug/ml
13) T n-Docosane (C22)	14.058	2813567	19.498 ug/ml
14) T n-Tetracosane (C24)	15.163	2759887	19.214 ug/ml
15) T n-Hexacosane (C26)	16.186	2714906	19.169 ug/ml
16) T n-Octacosane (C28)	17.138	2708901	19.471 ug/ml
17) T n-Tricontane (C30)	18.027	2813117	20.210 ug/mlm
18) T n-Dotriacontane (C32)	18.861	2852401	20.774 ug/ml
19) T n-Tetratriacontane (C34)	19.645	2771503	21.271 ug/ml
20) T n-Hexatriacontane (C36)	20.387	2743350	21.730 ug/ml
21) T n-Octatriacontane (C38)	21.119	2738238	22.476 ug/mlm
22) T n-Tetracontane (C40)	22.019	2693670	22.556 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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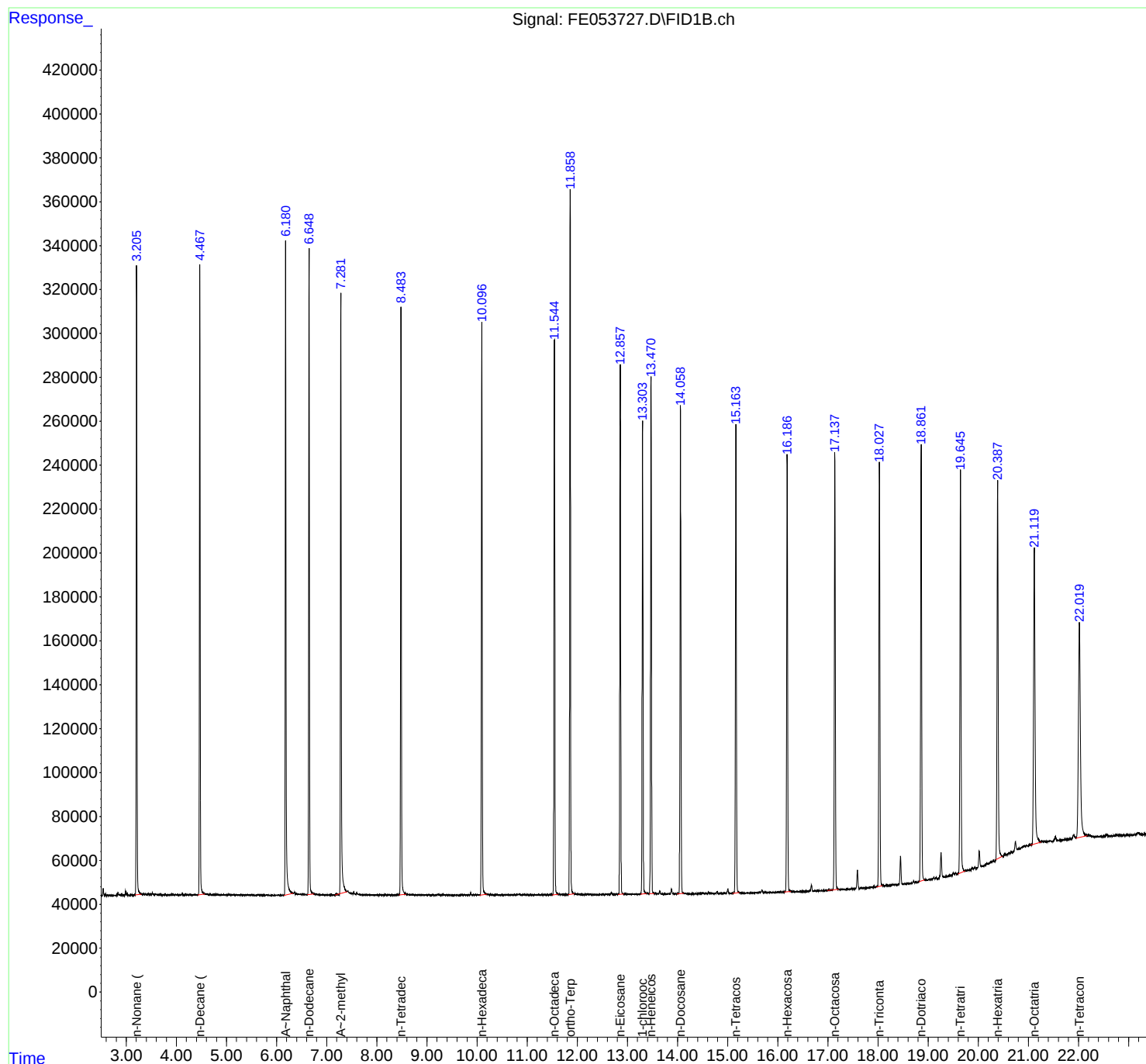
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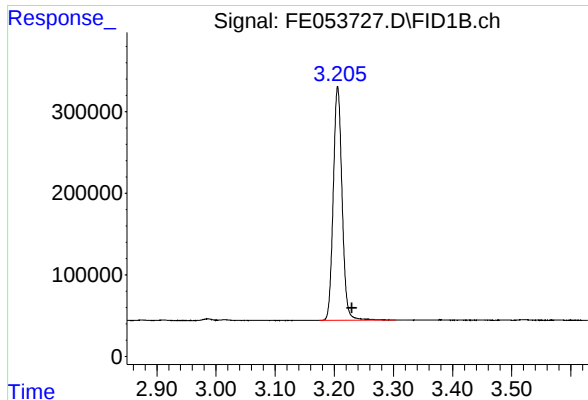
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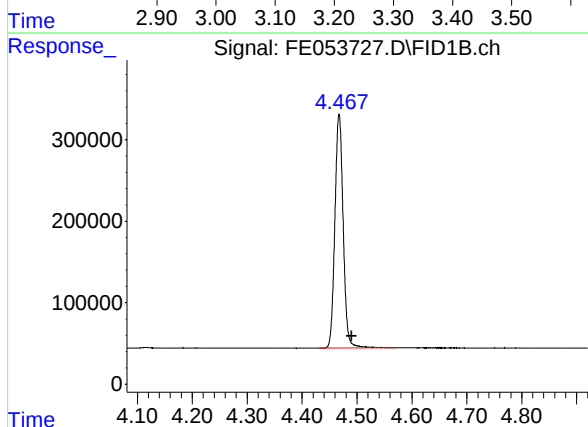
#1 n-Nonane (C9)

R.T.: 3.206 min
Delta R.T.: -0.024 min
Response: 2974291
Conc: 21.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

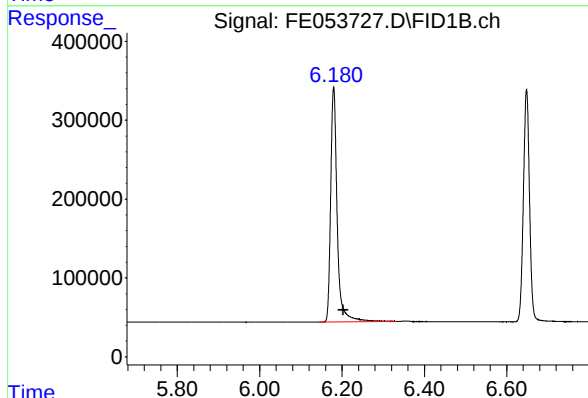
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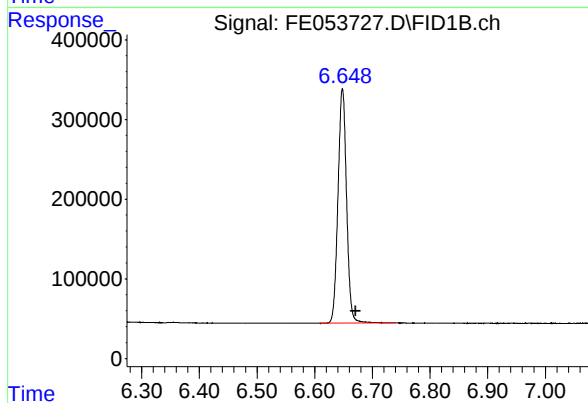
#2 n-Decane (C10)

R.T.: 4.468 min
Delta R.T.: -0.023 min
Response: 3016276
Conc: 21.80 ug/ml



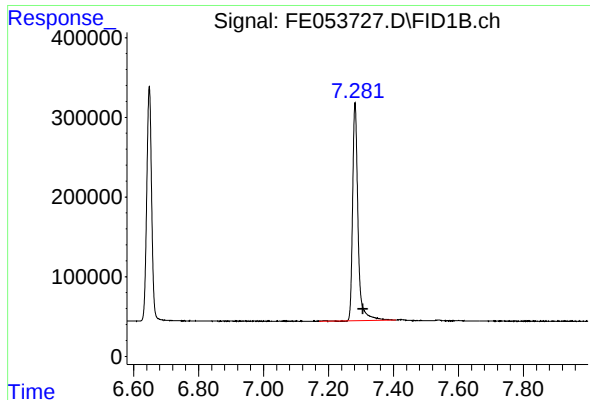
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.024 min
Response: 3279639
Conc: 21.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.023 min
Response: 3047542
Conc: 21.73 ug/ml



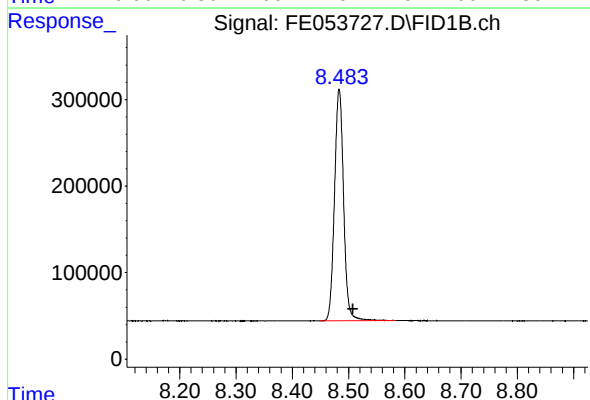
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.024 min
Response: 3170854
Conc: 21.24 ug/ml

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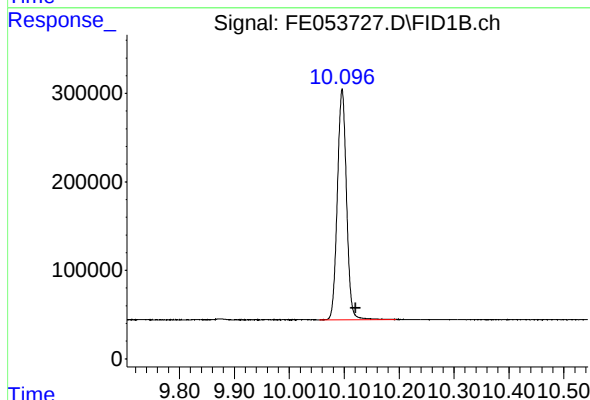
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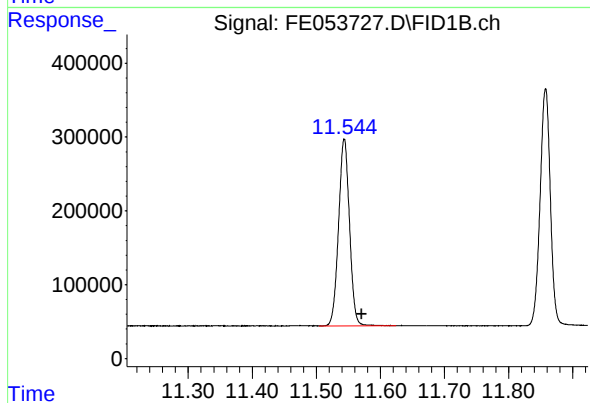
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: -0.024 min
Response: 3014756
Conc: 21.49 ug/ml



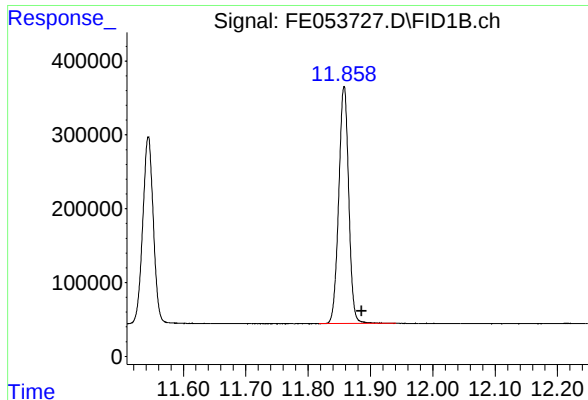
#7 n-Hexadecane (C16)

R.T.: 10.096 min
Delta R.T.: -0.025 min
Response: 3011854
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: -0.027 min
Response: 2980862
Conc: 20.45 ug/ml



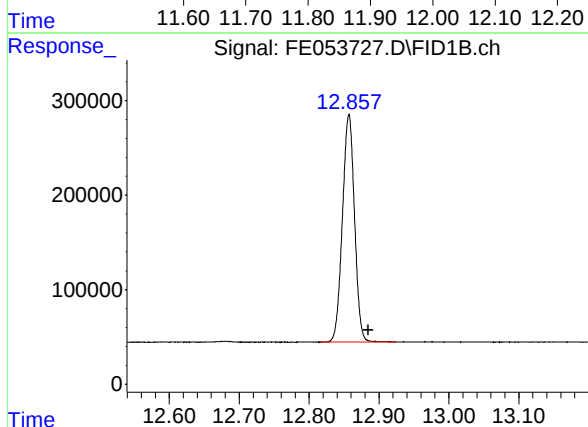
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.028 min
Response: 3577040
Conc: 19.83 ug/ml

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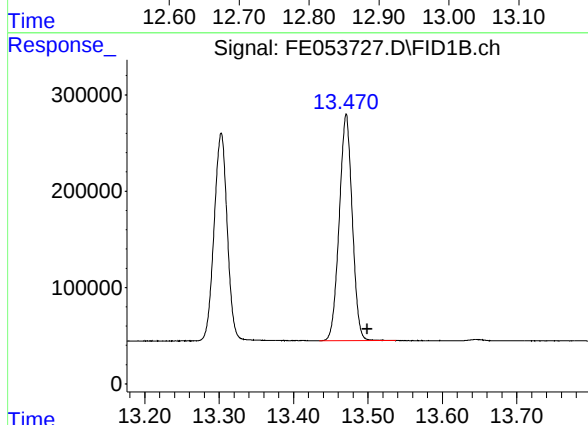
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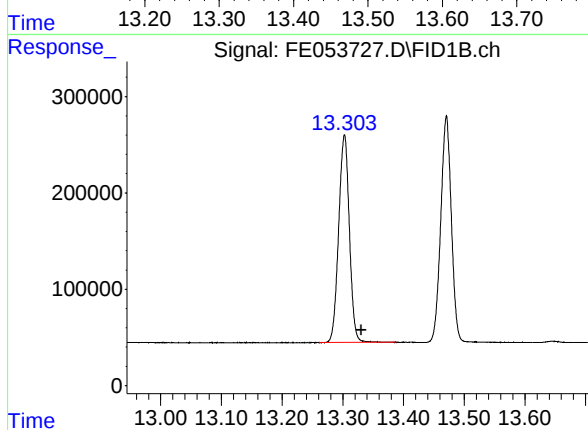
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.028 min
Response: 2894002
Conc: 19.89 ug/ml



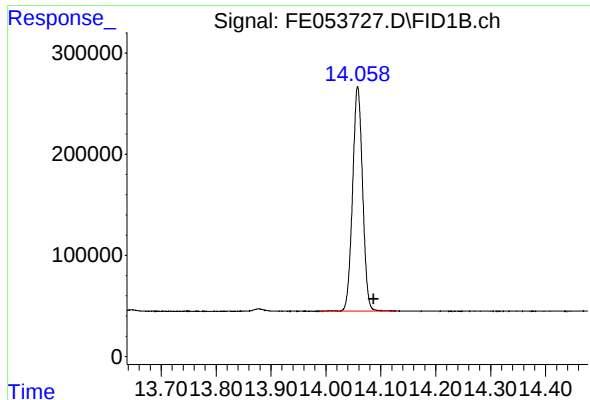
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: -0.029 min
Response: 2851393
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.028 min
Response: 2646282
Conc: 19.58 ug/ml



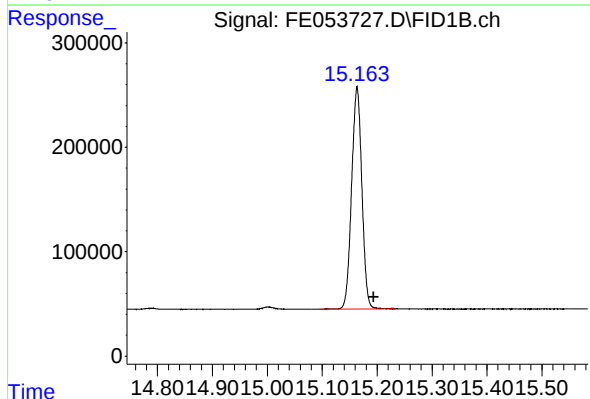
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.029 min
Response: 2813567
Conc: 19.50 ug/ml

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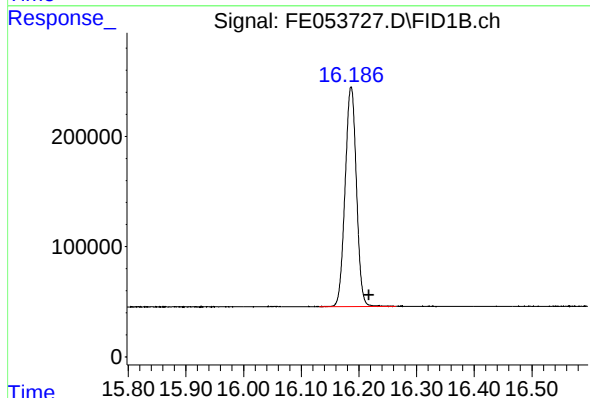
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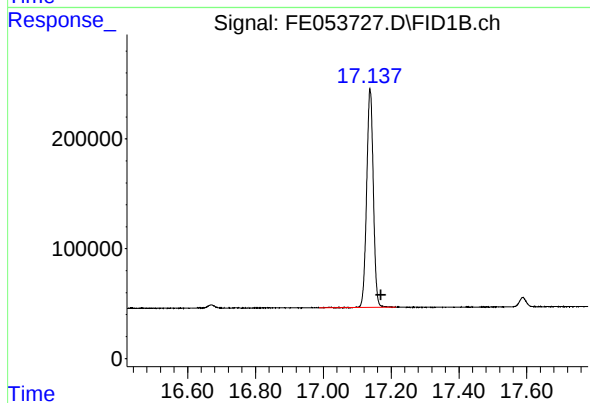
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.030 min
Response: 2759887
Conc: 19.21 ug/ml



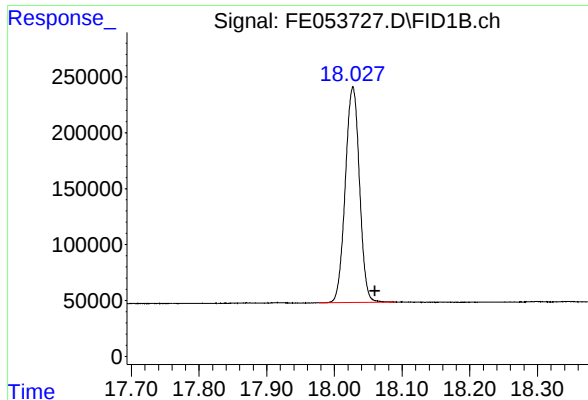
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.031 min
Response: 2714906
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.138 min
Delta R.T.: -0.032 min
Response: 2708901
Conc: 19.47 ug/ml



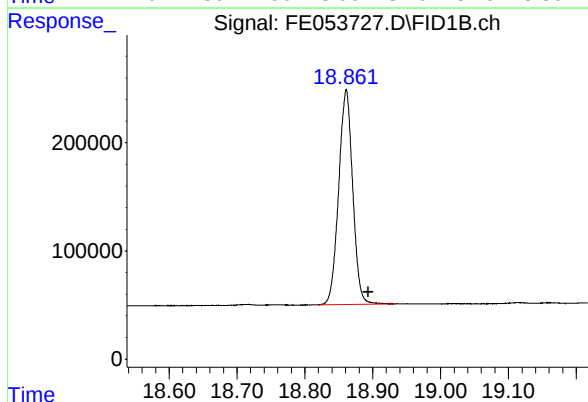
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: -0.033 min
Response: 2813117
Conc: 20.21 ug/ml

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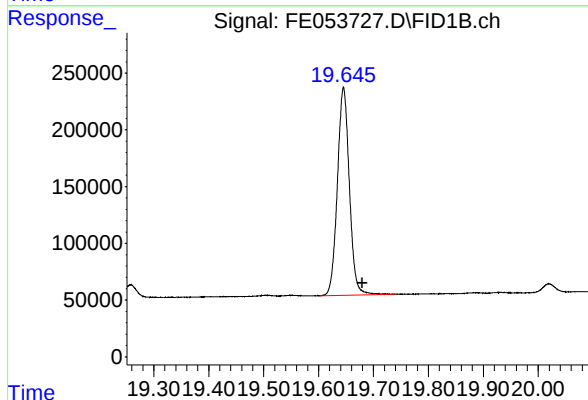
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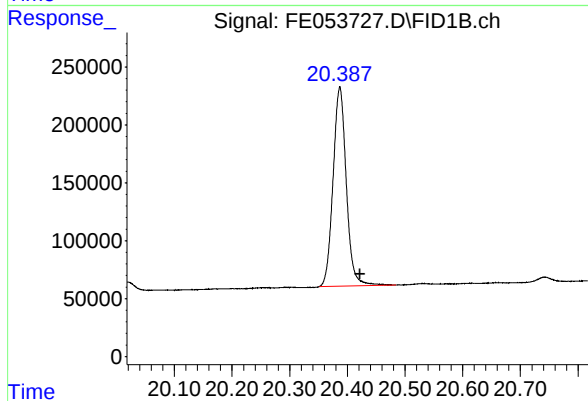
#18 n-Dotriacontane (C32)

R.T.: 18.861 min
Delta R.T.: -0.033 min
Response: 2852401
Conc: 20.77 ug/ml



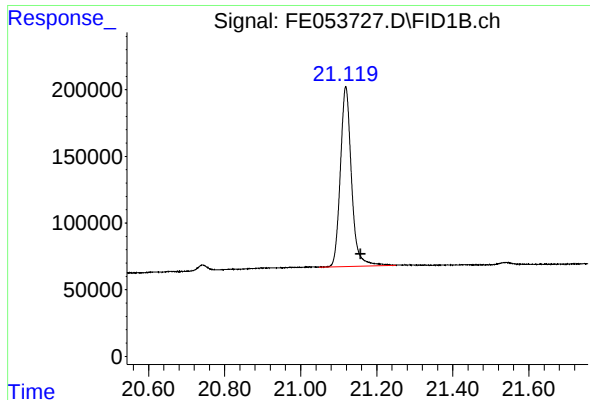
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: -0.034 min
Response: 2771503
Conc: 21.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: -0.035 min
Response: 2743350
Conc: 21.73 ug/ml



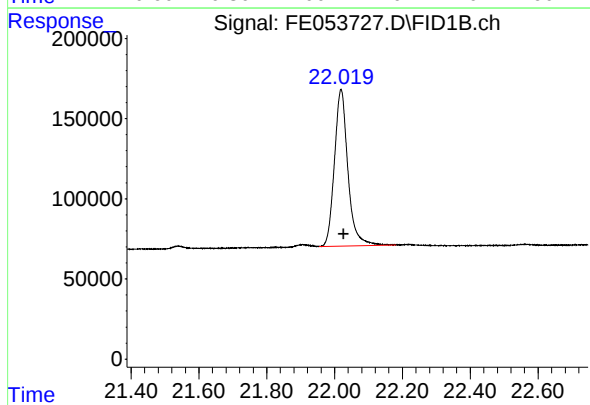
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: -0.040 min
Response: 2738238
Conc: 22.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.019 min
Delta R.T.: -0.008 min
Response: 2693670
Conc: 22.56 ug/ml