

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055118.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 20:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/04/2025
 Supervised By :mohammad ahmed 08/05/2025

Integration File: autoint1.e
 Quant Time: Aug 02 01:31:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 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)	12.087	2895625	20.277 ug/ml
Spiked Amount 50.000		Recovery =	40.55%
12) S 1-chlorooctadecane (S...	13.522	2205456	20.511 ug/ml
Spiked Amount 50.000		Recovery =	41.02%
Target Compounds			
1) T n-Nonane (C9)	3.423	2293159	19.980 ug/ml
2) T n-Decane (C10)	4.682	2333627	20.032 ug/ml
3) T A~Naphthalene (C11.7)	6.401	2710425	20.192 ug/ml
4) T n-Dodecane (C12)	6.857	2398111	20.138 ug/ml
5) T A~2-methylnaphthalene...	7.503	2655423	20.366 ug/ml
6) T n-Tetradecane (C14)	8.695	2466588	20.117 ug/ml
7) T n-Hexadecane (C16)	10.310	2585844	20.227 ug/ml
8) T n-Octadecane (C18)	11.760	2645347	20.275 ug/ml
10) T n-Eicosane (C20)	13.074	2549323	20.318 ug/ml
11) T n-Heneicosane (C21)	13.689	2502578	20.302 ug/ml
13) T n-Docosane (C22)	14.277	2479683	20.305 ug/ml
14) T n-Tetracosane (C24)	15.383	2471572	20.320 ug/ml
15) T n-Hexacosane (C26)	16.407	2456640	20.533 ug/ml
16) T n-Octacosane (C28)	17.360	2402497	20.253 ug/ml
17) T n-Tricontane (C30)	18.249	2544761	20.681 ug/ml
18) T n-Dotriacontane (C32)	19.084	2552311	20.919 ug/ml
19) T n-Tetratriacontane (C34)	19.869	2395322	20.487 ug/ml
20) T n-Hexatriacontane (C36)	20.610	2226146	20.368 ug/ml
21) T n-Octatriacontane (C38)	21.391	2268142	20.988 ug/ml
22) T n-Tetracontane (C40)	22.384	2189652	20.939 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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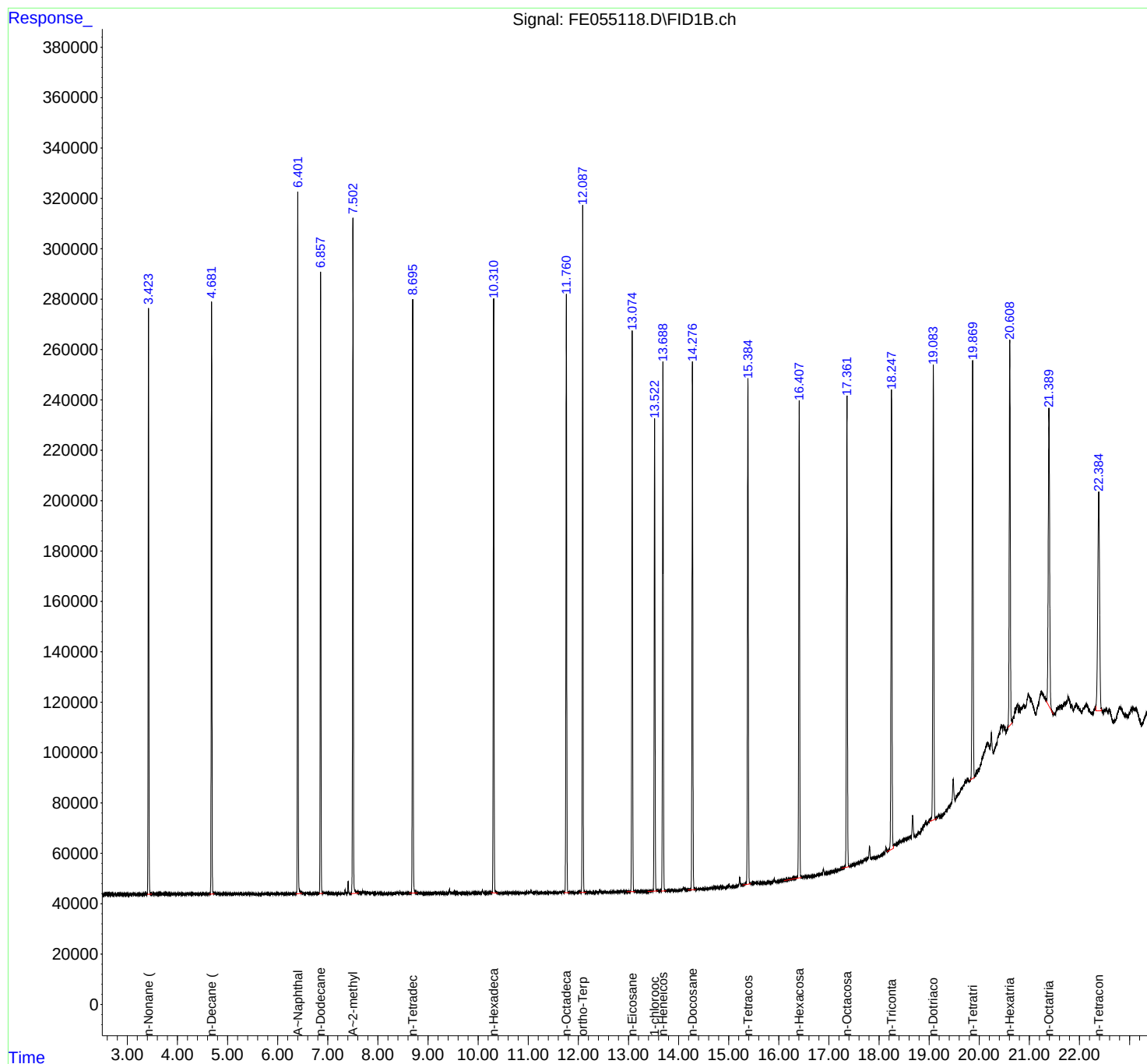
Instrument :
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20 PPM ALIPHATIC HC STD

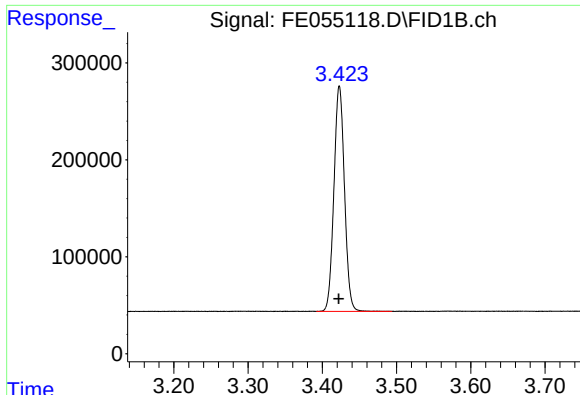
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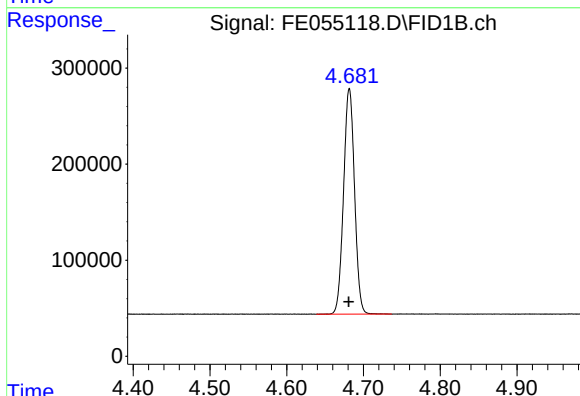
#1 n-Nonane (C9)

R.T.: 3.423 min
Delta R.T.: 0.001 min
Response: 2293159
Conc: 19.98 ug/ml

Instrument :
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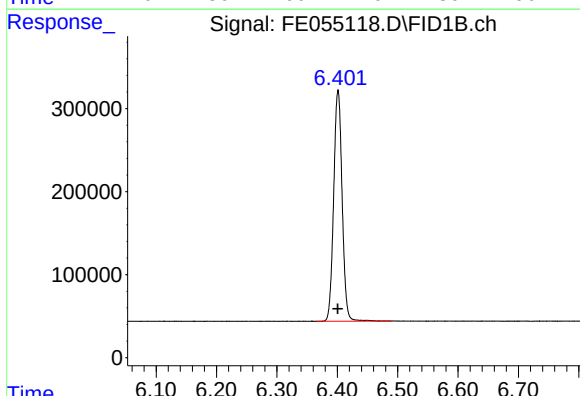
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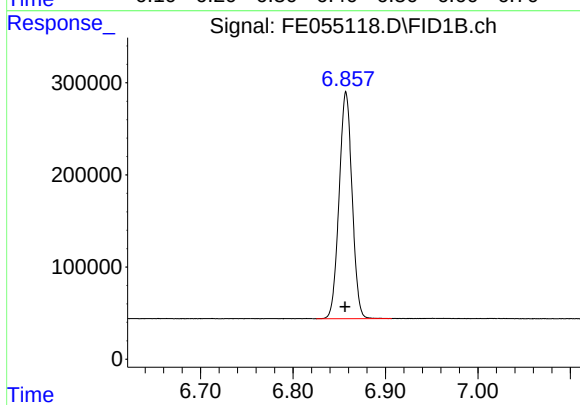
#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.001 min
Response: 2333627
Conc: 20.03 ug/ml



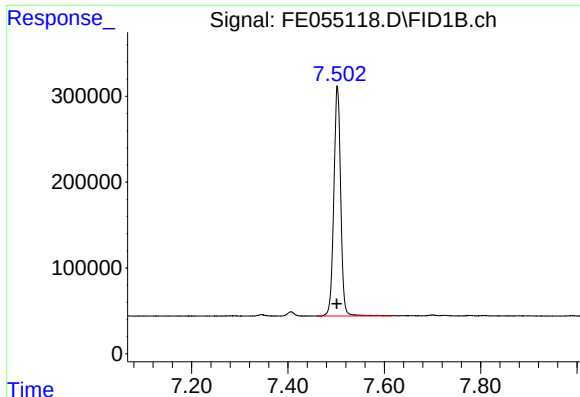
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 2710425
Conc: 20.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2398111
Conc: 20.14 ug/ml



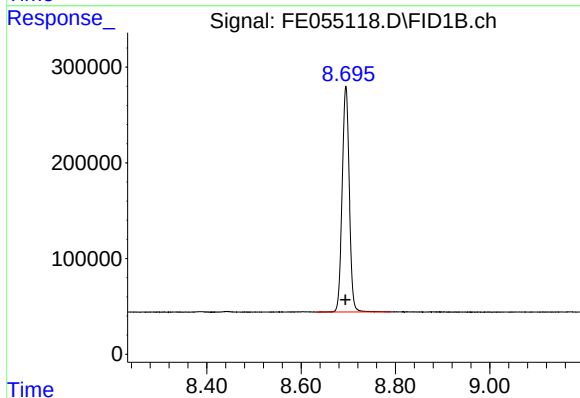
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.503 min
Delta R.T.: 0.001 min
Response: 2655423
Conc: 20.37 ug/ml

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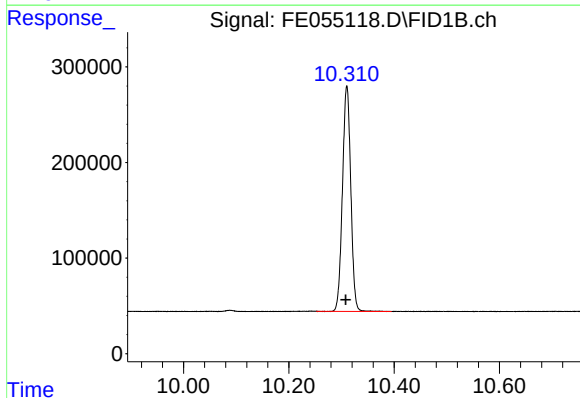
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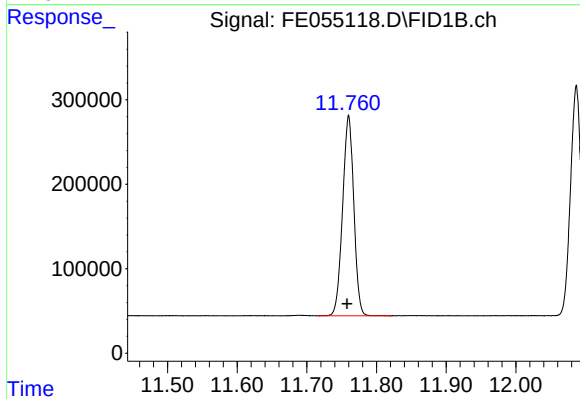
#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 2466588
Conc: 20.12 ug/ml



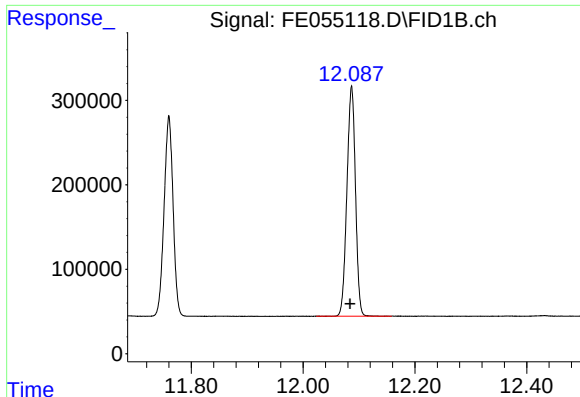
#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: 0.002 min
Response: 2585844
Conc: 20.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.760 min
Delta R.T.: 0.002 min
Response: 2645347
Conc: 20.27 ug/ml



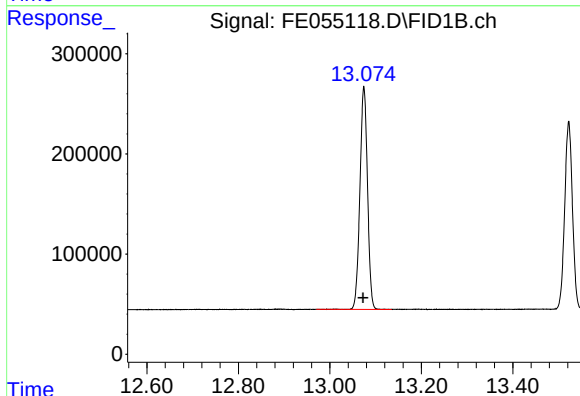
#9 ortho-Terphenyl (SURR)

R.T.: 12.087 min
Delta R.T.: 0.003 min
Response: 2895625
Conc: 20.28 ug/ml

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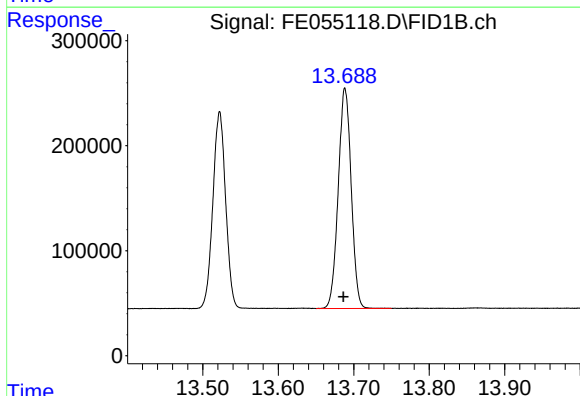
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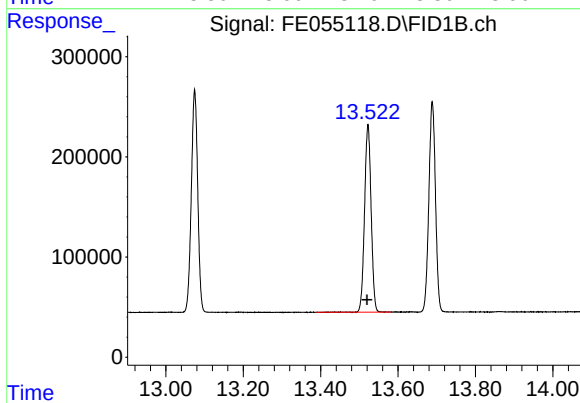
#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.002 min
Response: 2549323
Conc: 20.32 ug/ml



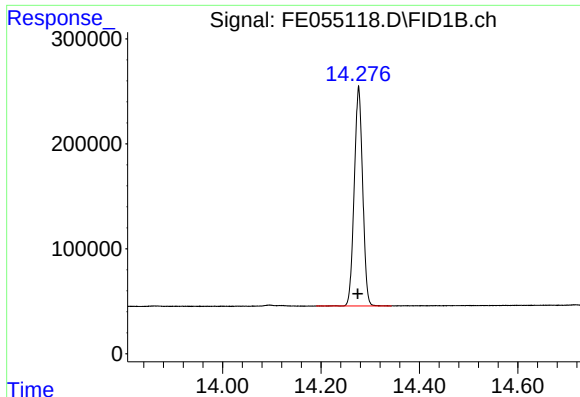
#11 n-Heneicosane (C21)

R.T.: 13.689 min
Delta R.T.: 0.002 min
Response: 2502578
Conc: 20.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.002 min
Response: 2205456
Conc: 20.51 ug/ml



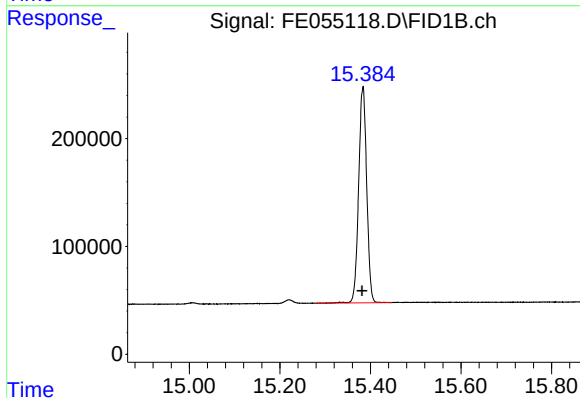
#13 n-Docosane (C22)

R.T.: 14.277 min
Delta R.T.: 0.002 min
Response: 2479683
Conc: 20.31 ug/ml

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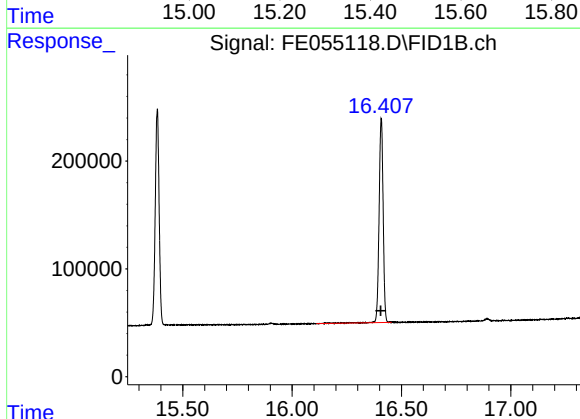
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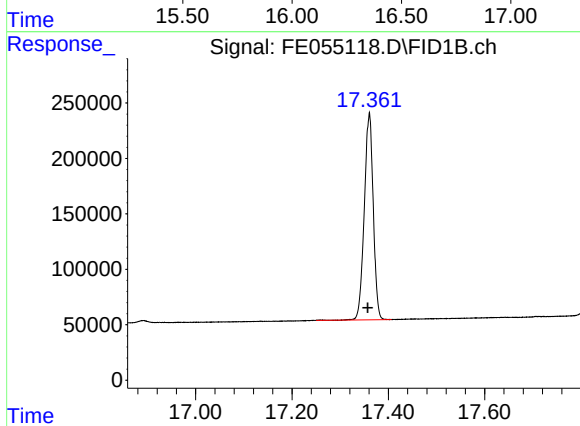
#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.002 min
Response: 2471572
Conc: 20.32 ug/ml



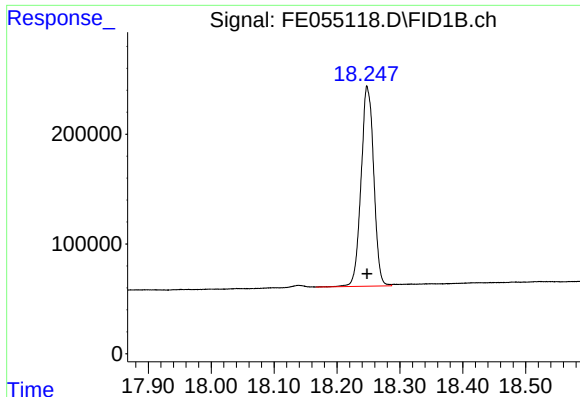
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.002 min
Response: 2456640
Conc: 20.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.360 min
Delta R.T.: 0.003 min
Response: 2402497
Conc: 20.25 ug/ml



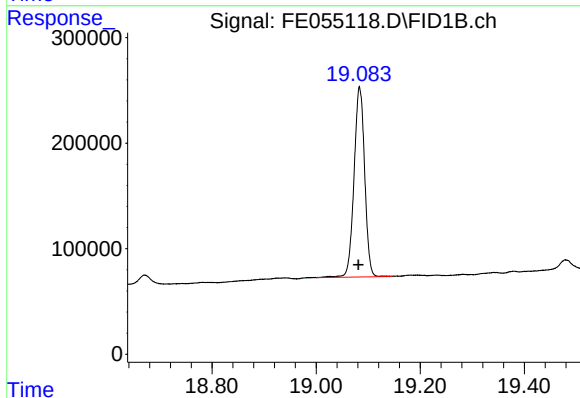
#17 n-Tricontane (C30)

R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2544761
Conc: 20.68 ug/ml

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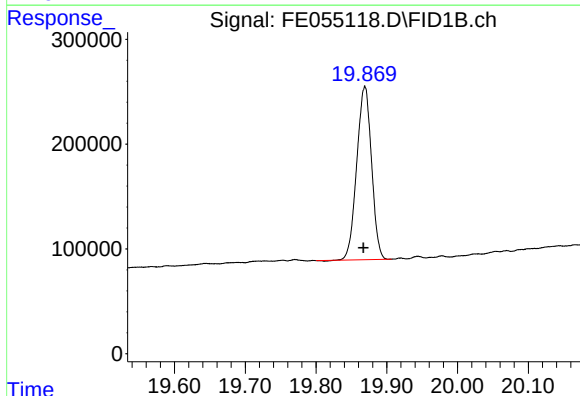
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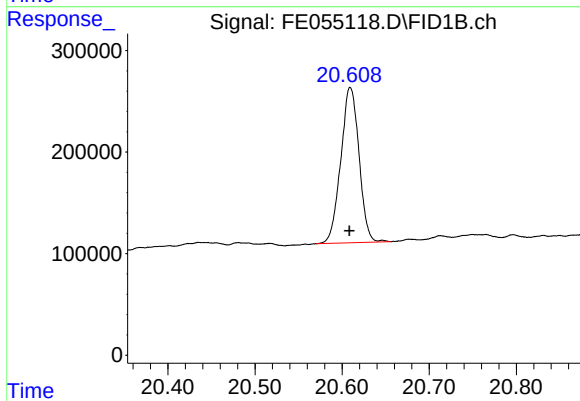
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: 0.002 min
Response: 2552311
Conc: 20.92 ug/ml



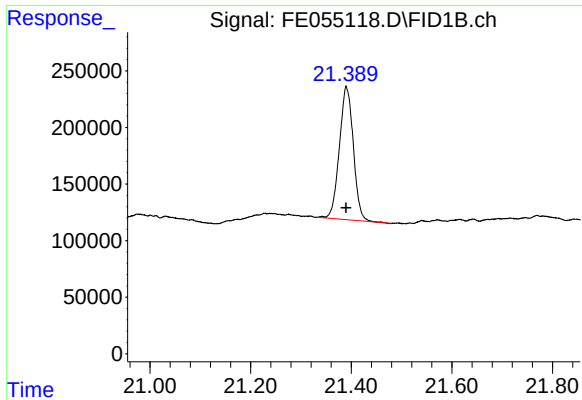
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.002 min
Response: 2395322
Conc: 20.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.610 min
Delta R.T.: 0.001 min
Response: 2226146
Conc: 20.37 ug/ml



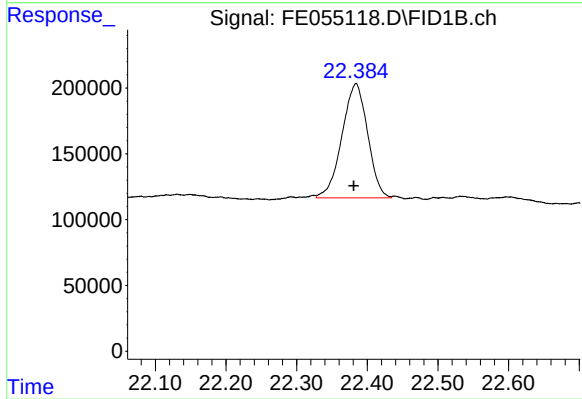
#21 n-Octatriacontane (C38)

R.T.: 21.391 min
Delta R.T.: 0.000 min
Response: 2268142
Conc: 20.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.384 min
Delta R.T.: 0.004 min
Response: 2189652
Conc: 20.94 ug/ml m