

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090825AL\
 Data File : FE055718.D
 Signal(s) : FID1B.ch
 Acq On : 08 Sep 2025 14:45
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File: sample.E
 Quant Time: Sep 09 01:14:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.082	3068590	18.679 ug/ml
Spiked Amount 50.000		Recovery =	37.36%
12) S 1-chlorooctadecane (S...	13.519	2298115	18.378 ug/ml
Spiked Amount 50.000		Recovery =	36.76%
Target Compounds			
1) T n-Nonane (C9)	3.417	2341516	18.451 ug/ml
2) T n-Decane (C10)	4.675	2472804	19.304 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2768772	19.057 ug/ml
4) T n-Dodecane (C12)	6.851	2552915	19.606 ug/ml
5) T A~2-methylnaphthalene...	7.498	2695862	19.167 ug/ml
6) T n-Tetradecane (C14)	8.689	2588310	19.654 ug/ml
7) T n-Hexadecane (C16)	10.305	2725453	19.679 ug/ml
8) T n-Octadecane (C18)	11.754	2823145	19.355 ug/ml
10) T n-Eicosane (C20)	13.070	2712651	18.845 ug/ml
11) T n-Heneicosane (C21)	13.685	2652752	18.571 ug/ml
13) T n-Docosane (C22)	14.273	2645765	18.483 ug/ml
14) T n-Tetracosane (C24)	15.380	2655574	18.352 ug/ml
15) T n-Hexacosane (C26)	16.403	2600230	18.201 ug/ml
16) T n-Octacosane (C28)	17.357	2632467	18.508 ug/ml
17) T n-Tricontane (C30)	18.247	2893136	19.572 ug/ml
18) T n-Dotriacontane (C32)	19.082	3008753	20.499 ug/ml
19) T n-Tetratriacontane (C34)	19.867	2898625	20.516 ug/ml
20) T n-Hexatriacontane (C36)	20.609	2621038	19.863 ug/ml
21) T n-Octatriacontane (C38)	21.388	2502191	19.212 ug/mlm
22) T n-Tetracontane (C40)	22.379	2352191	18.342 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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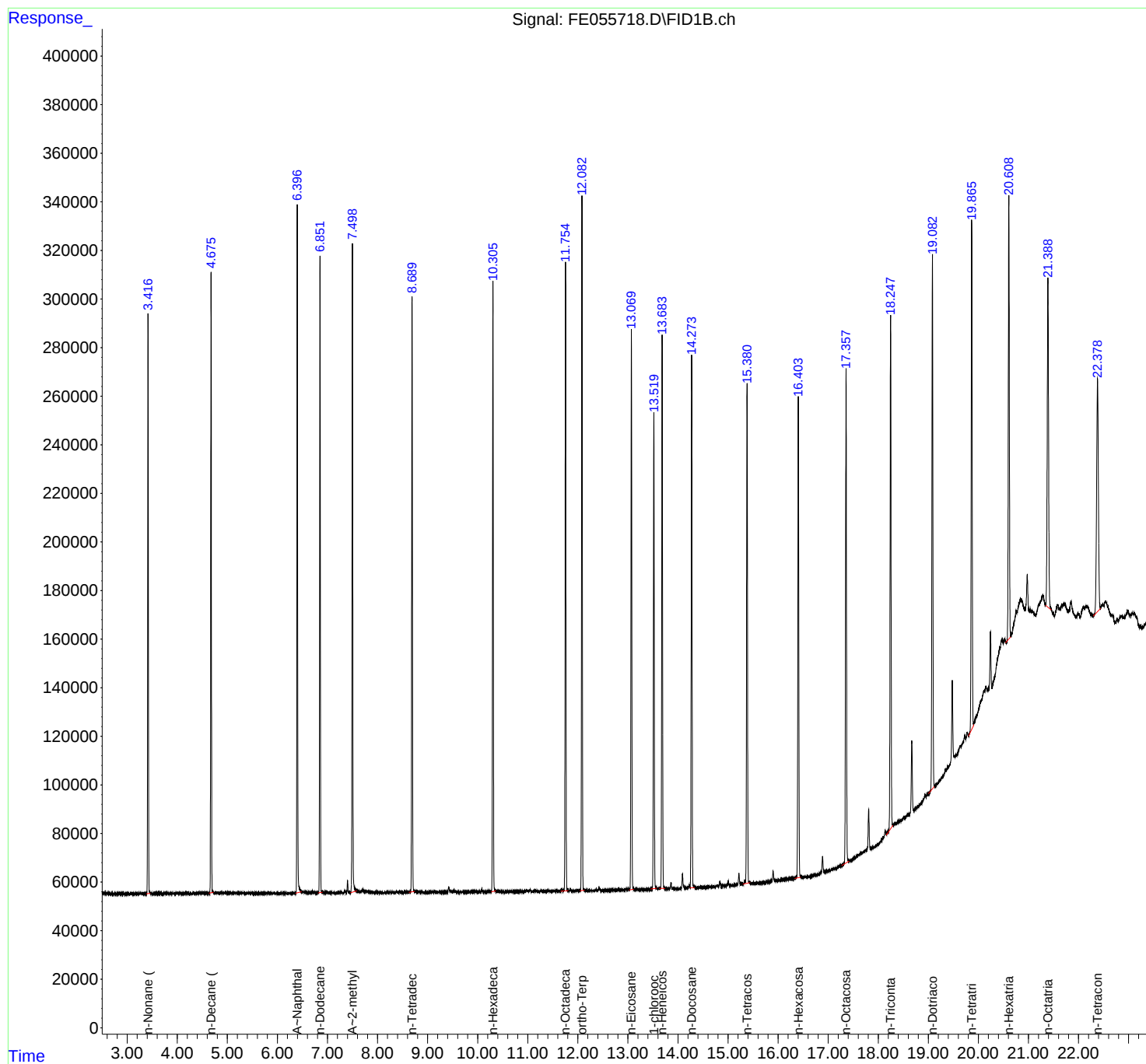
Instrument :
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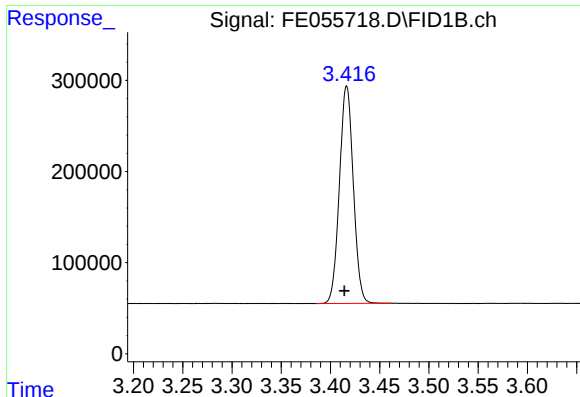
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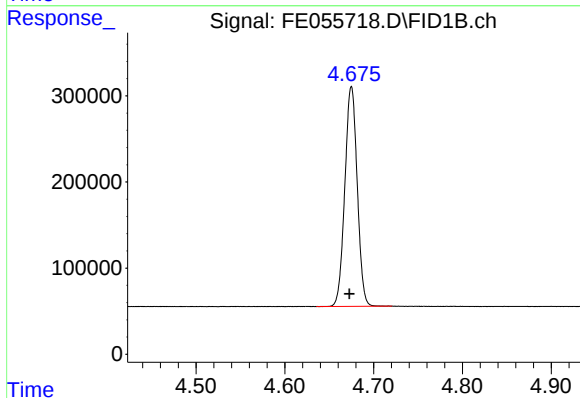
#1 n-Nonane (C9)

R.T.: 3.417 min
Delta R.T.: 0.003 min
Response: 2341516
Conc: 18.45 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

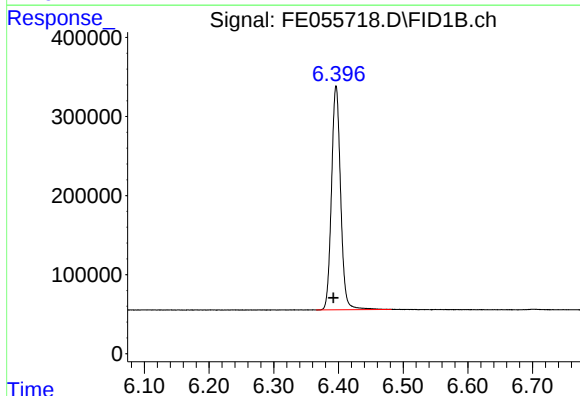
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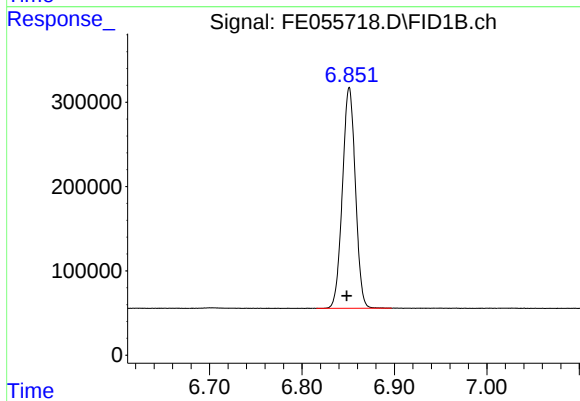
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.002 min
Response: 2472804
Conc: 19.30 ug/ml



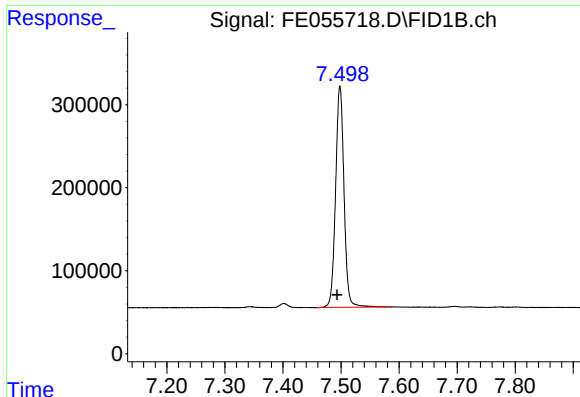
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.004 min
Response: 2768772
Conc: 19.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.851 min
Delta R.T.: 0.003 min
Response: 2552915
Conc: 19.61 ug/ml



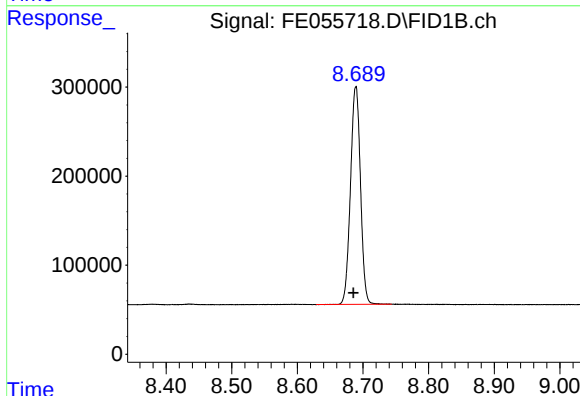
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.498 min
Delta R.T.: 0.005 min
Response: 2695862
Conc: 19.17 ug/ml

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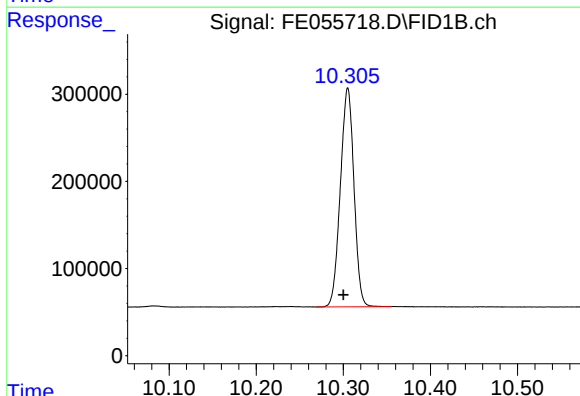
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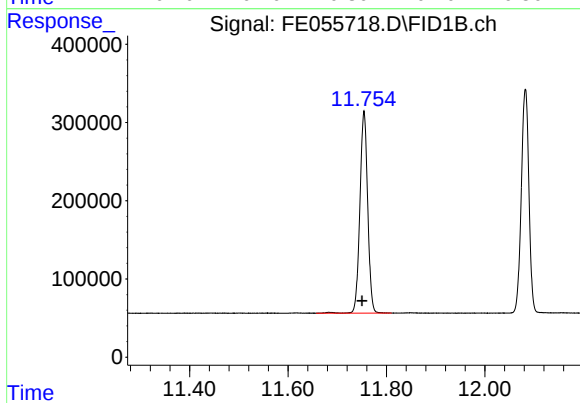
#6 n-Tetradecane (C14)

R.T.: 8.689 min
Delta R.T.: 0.004 min
Response: 2588310
Conc: 19.65 ug/ml



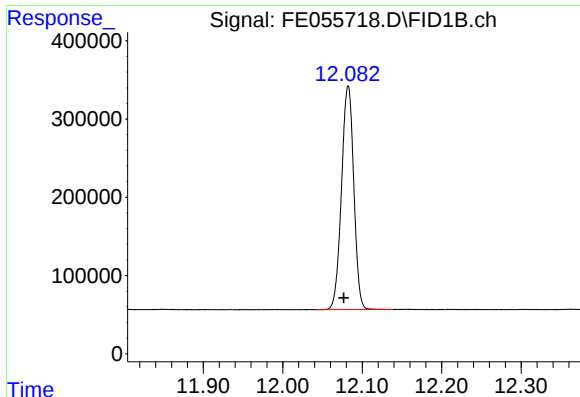
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: 0.005 min
Response: 2725453
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.754 min
Delta R.T.: 0.004 min
Response: 2823145
Conc: 19.36 ug/ml



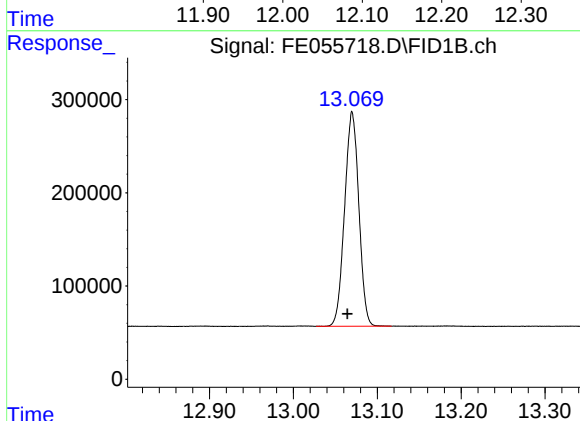
#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: 0.006 min
Response: 3068590
Conc: 18.68 ug/ml

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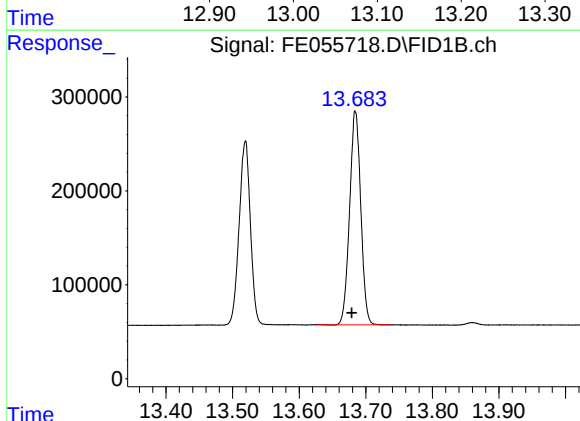
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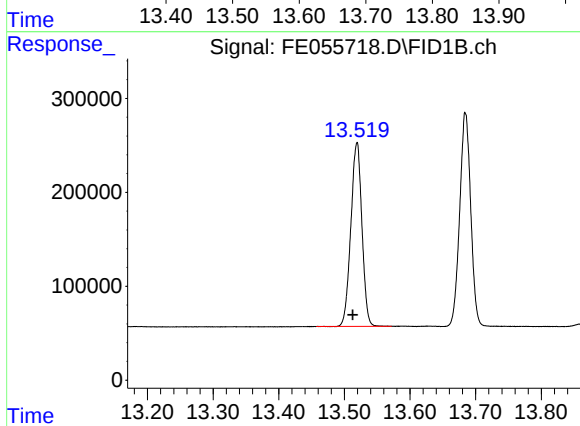
#10 n-Eicosane (C20)

R.T.: 13.070 min
Delta R.T.: 0.006 min
Response: 2712651
Conc: 18.84 ug/ml



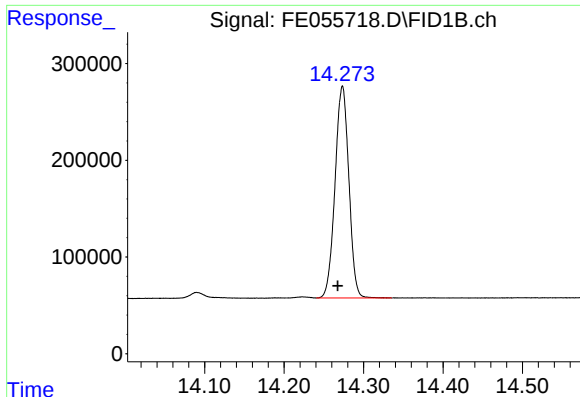
#11 n-Heneicosane (C21)

R.T.: 13.685 min
Delta R.T.: 0.006 min
Response: 2652752
Conc: 18.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.006 min
Response: 2298115
Conc: 18.38 ug/ml



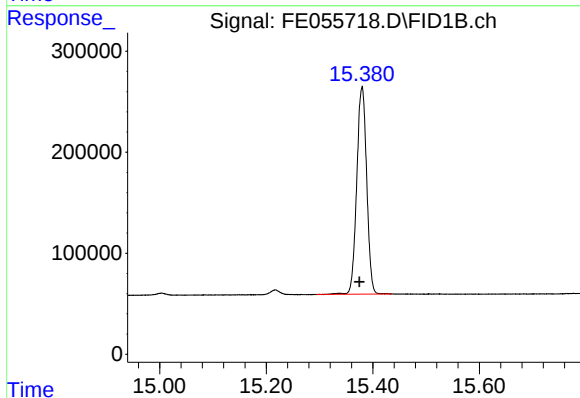
#13 n-Docosane (C22)

R.T.: 14.273 min
Delta R.T.: 0.006 min
Response: 2645765
Conc: 18.48 ug/ml

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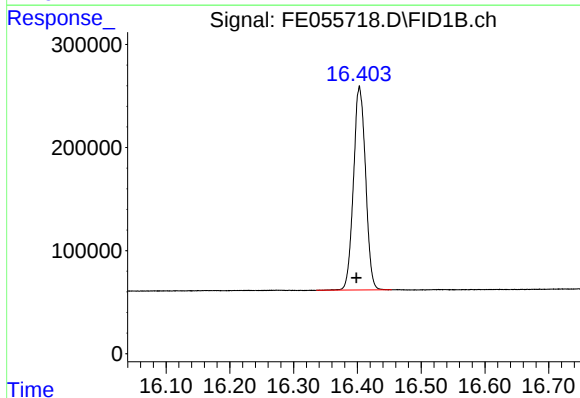
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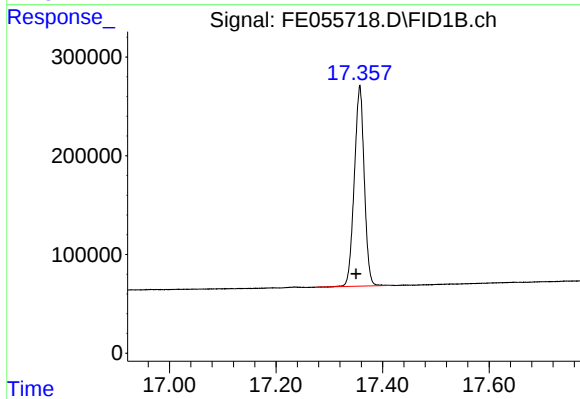
#14 n-Tetracosane (C24)

R.T.: 15.380 min
Delta R.T.: 0.005 min
Response: 2655574
Conc: 18.35 ug/ml



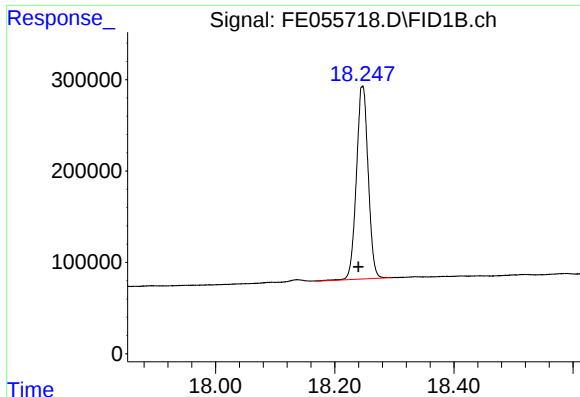
#15 n-Hexacosane (C26)

R.T.: 16.403 min
Delta R.T.: 0.005 min
Response: 2600230
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.357 min
Delta R.T.: 0.007 min
Response: 2632467
Conc: 18.51 ug/ml



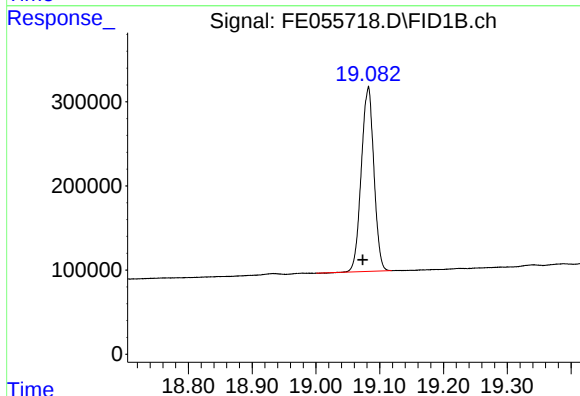
#17 n-Tricontane (C30)

R.T.: 18.247 min
Delta R.T.: 0.007 min
Response: 2893136
Conc: 19.57 ug/ml

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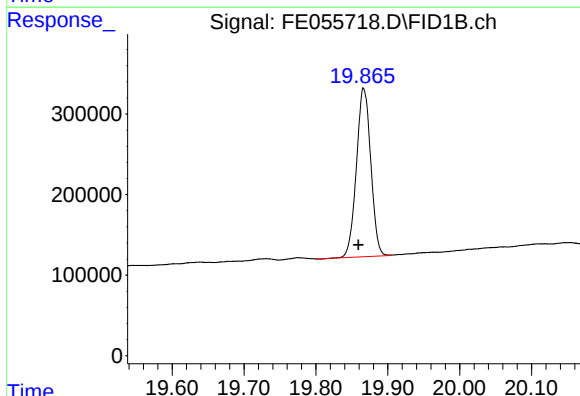
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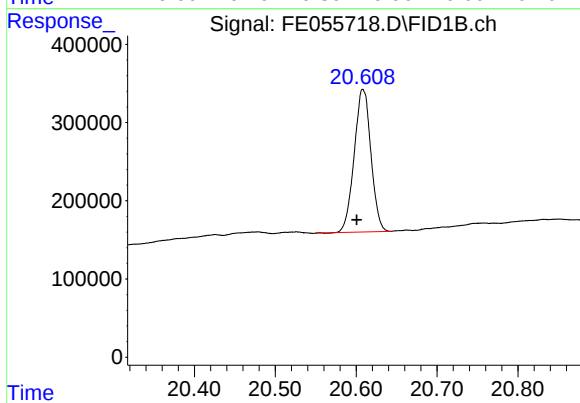
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.008 min
Response: 3008753
Conc: 20.50 ug/ml



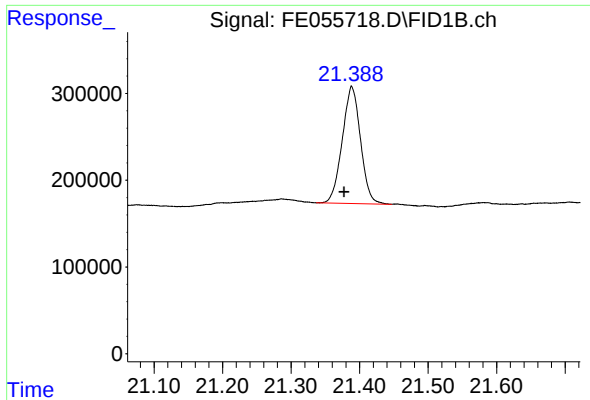
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.008 min
Response: 2898625
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.609 min
Delta R.T.: 0.008 min
Response: 2621038
Conc: 19.86 ug/ml



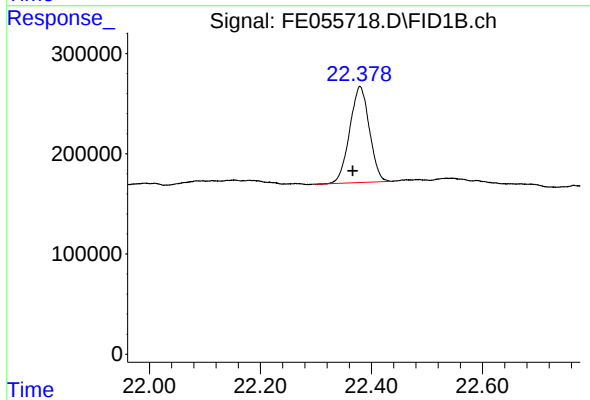
#21 n-Octatriacontane (C38)

R.T.: 21.388 min
Delta R.T.: 0.010 min
Response: 2502191
Conc: 19.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.379 min
Delta R.T.: 0.013 min
Response: 2352191
Conc: 18.34 ug/ml