

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091125AL\
 Data File : FE055769.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2025 12:01
 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 09/12/2025
 Supervised By :mohammad ahmed 09/15/2025

Integration File: autoint1.e
 Quant Time: Sep 12 01:19:26 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)	12.073	3318154	20.198 ug/ml
Spiked Amount 50.000		Recovery =	40.40%
12) S 1-chlorooctadecane (S...	13.510	2519008	20.145 ug/ml
Spiked Amount 50.000		Recovery =	40.29%
Target Compounds			
1) T n-Nonane (C9)	3.413	2614933	20.606 ug/ml
2) T n-Decane (C10)	4.671	2740582	21.394 ug/ml
3) T A~Naphthalene (C11.7)	6.389	3065296	21.098 ug/ml
4) T n-Dodecane (C12)	6.846	2781936	21.365 ug/ml
5) T A~2-methylnaphthalene...	7.490	2945146	20.939 ug/ml
6) T n-Tetradecane (C14)	8.682	2795929	21.231 ug/ml
7) T n-Hexadecane (C16)	10.298	2930951	21.163 ug/ml
8) T n-Octadecane (C18)	11.747	3049608	20.908 ug/ml
10) T n-Eicosane (C20)	13.062	2973508	20.657 ug/ml
11) T n-Heneicosane (C21)	13.676	2909103	20.366 ug/ml
13) T n-Docosane (C22)	14.264	2918891	20.391 ug/ml
14) T n-Tetracosane (C24)	15.372	2998722	20.724 ug/ml
15) T n-Hexacosane (C26)	16.395	2930125	20.510 ug/ml
16) T n-Octacosane (C28)	17.347	2980430	20.954 ug/ml
17) T n-Tricontane (C30)	18.237	3260735	22.059 ug/ml
18) T n-Dotriacontane (C32)	19.071	3418717	23.292 ug/ml
19) T n-Tetratriacontane (C34)	19.856	3254140	23.032 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2883159	21.849 ug/ml
21) T n-Octatriacontane (C38)	21.372	2647366	20.327 ug/mlm
22) T n-Tetracontane (C40)	22.358	2473443	19.287 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

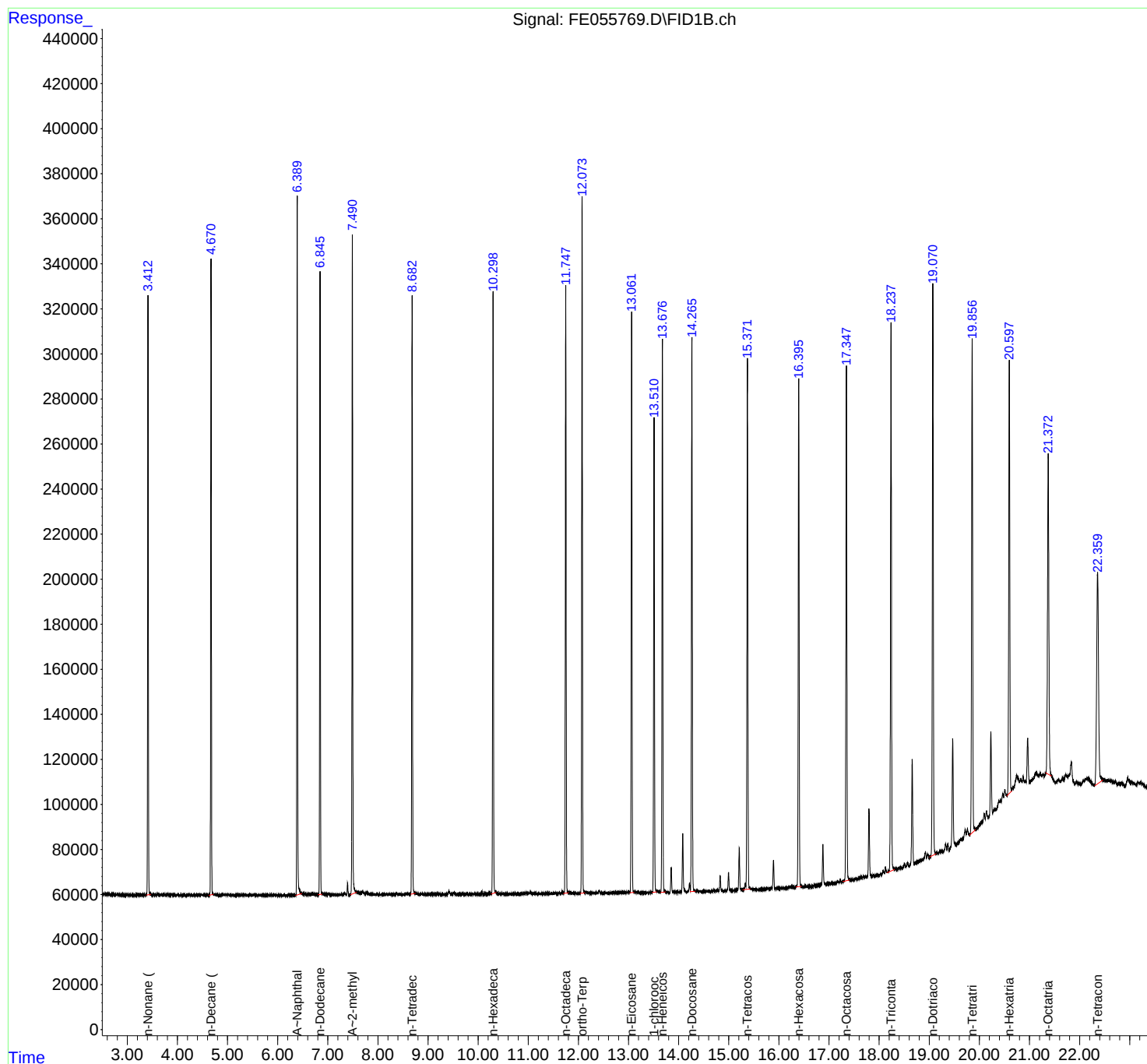
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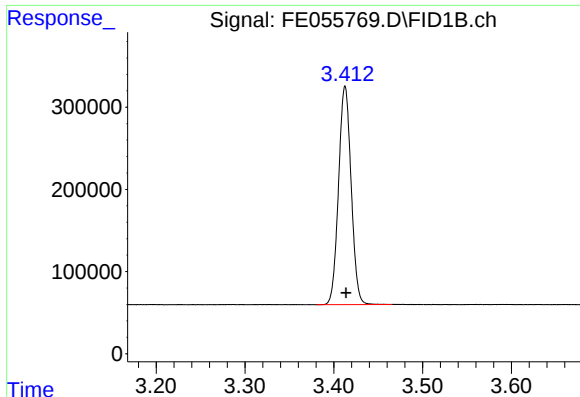
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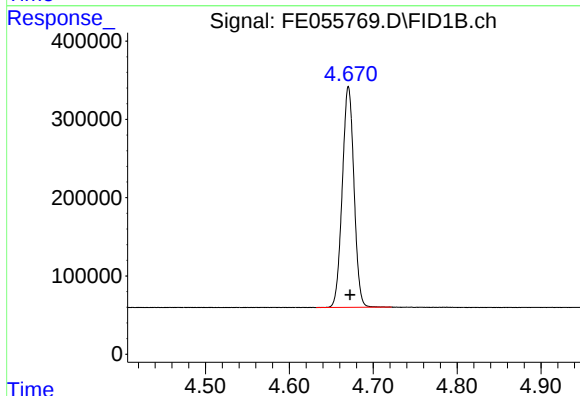
#1 n-Nonane (C9)

R.T.: 3.413 min
Delta R.T.: -0.001 min
Response: 2614933
Conc: 20.61 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

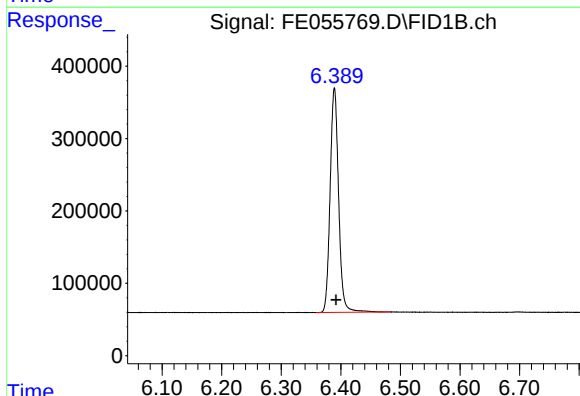
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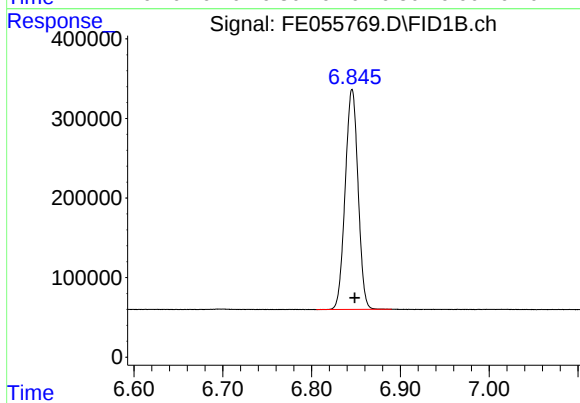
#2 n-Decane (C10)

R.T.: 4.671 min
Delta R.T.: -0.002 min
Response: 2740582
Conc: 21.39 ug/ml



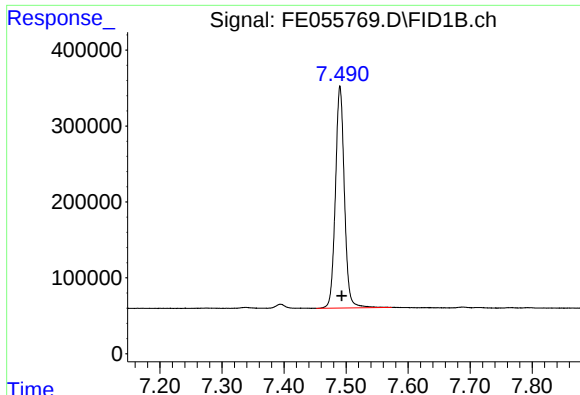
#3 A~Naphthalene (C11.7)

R.T.: 6.389 min
Delta R.T.: -0.003 min
Response: 3065296
Conc: 21.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.846 min
Delta R.T.: -0.003 min
Response: 2781936
Conc: 21.36 ug/ml



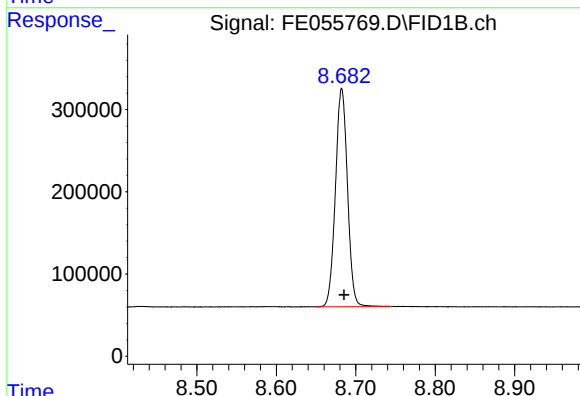
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: -0.003 min
Response: 2945146
Conc: 20.94 ug/ml

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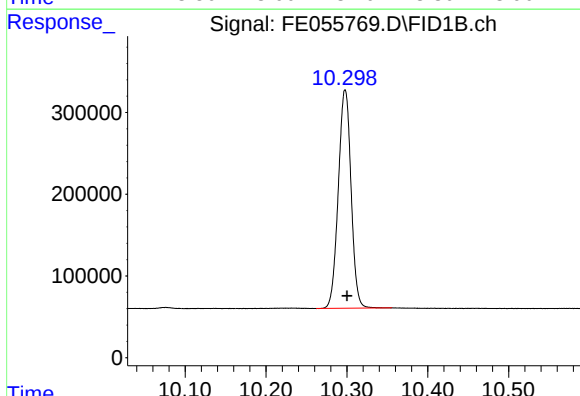
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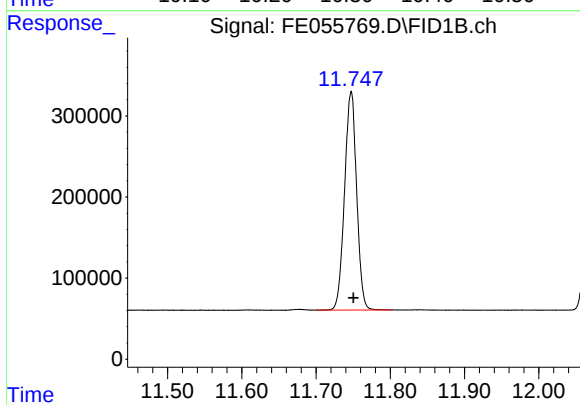
#6 n-Tetradecane (C14)

R.T.: 8.682 min
Delta R.T.: -0.003 min
Response: 2795929
Conc: 21.23 ug/ml



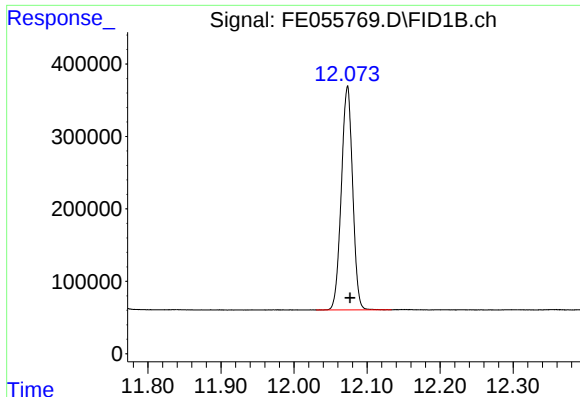
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: -0.002 min
Response: 2930951
Conc: 21.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: -0.003 min
Response: 3049608
Conc: 20.91 ug/ml



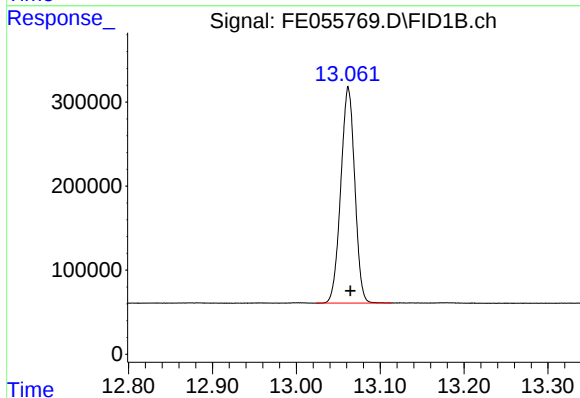
#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: -0.004 min
Response: 3318154
Conc: 20.20 ug/ml

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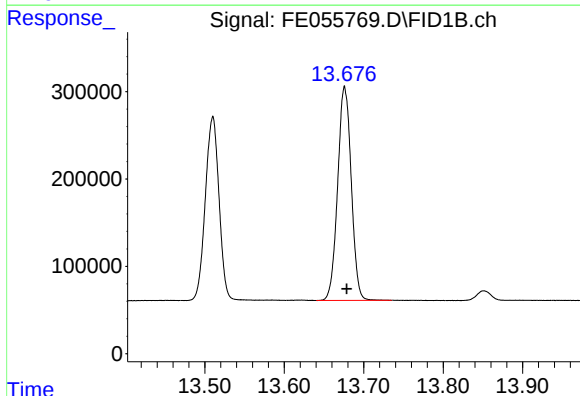
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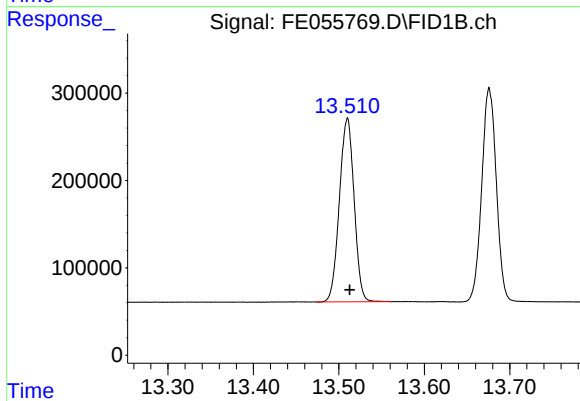
#10 n-Eicosane (C20)

R.T.: 13.062 min
Delta R.T.: -0.002 min
Response: 2973508
Conc: 20.66 ug/ml



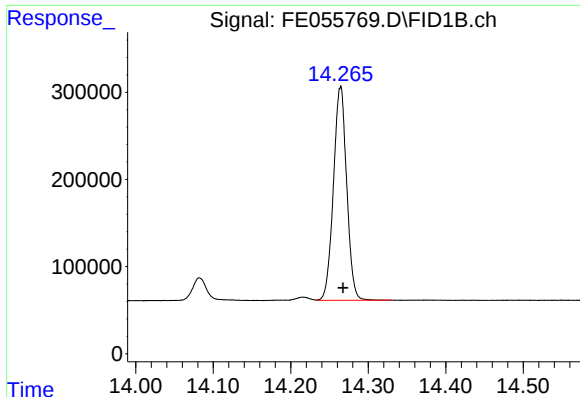
#11 n-Heneicosane (C21)

R.T.: 13.676 min
Delta R.T.: -0.003 min
Response: 2909103
Conc: 20.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: -0.003 min
Response: 2519008
Conc: 20.14 ug/ml



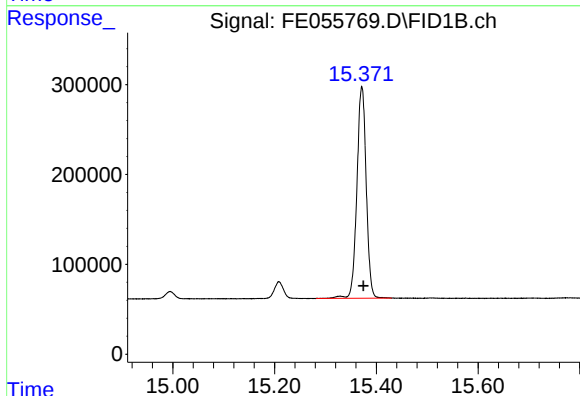
#13 n-Docosane (C22)

R.T.: 14.264 min
Delta R.T.: -0.003 min
Response: 2918891
Conc: 20.39 ug/ml

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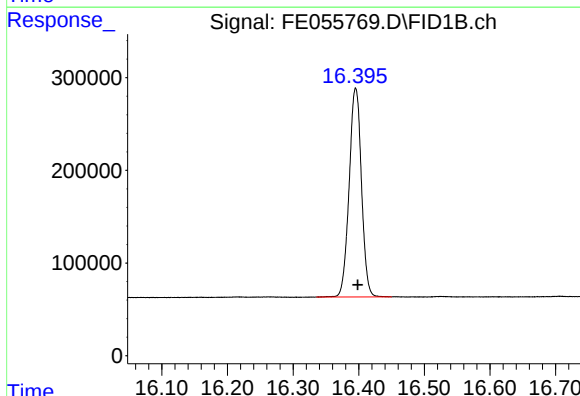
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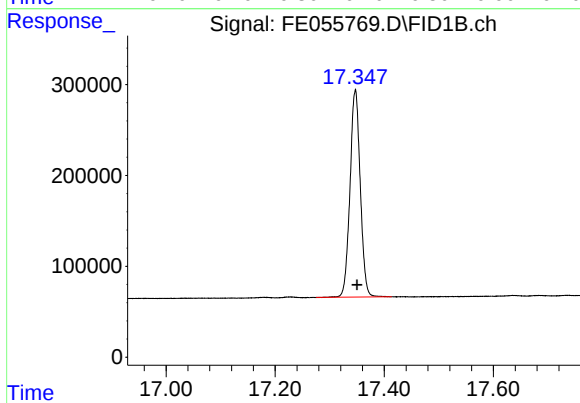
#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: -0.003 min
Response: 2998722
Conc: 20.72 ug/ml



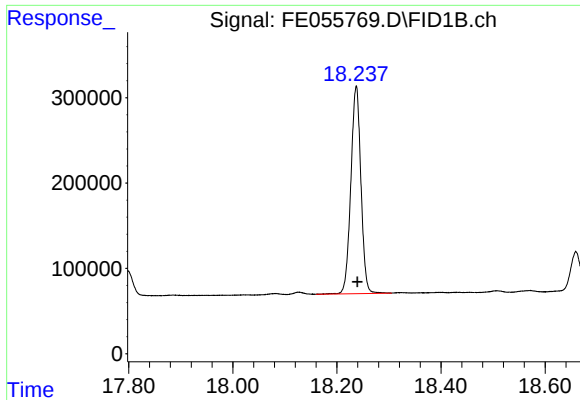
#15 n-Hexacosane (C26)

R.T.: 16.395 min
Delta R.T.: -0.003 min
Response: 2930125
Conc: 20.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.347 min
Delta R.T.: -0.003 min
Response: 2980430
Conc: 20.95 ug/ml



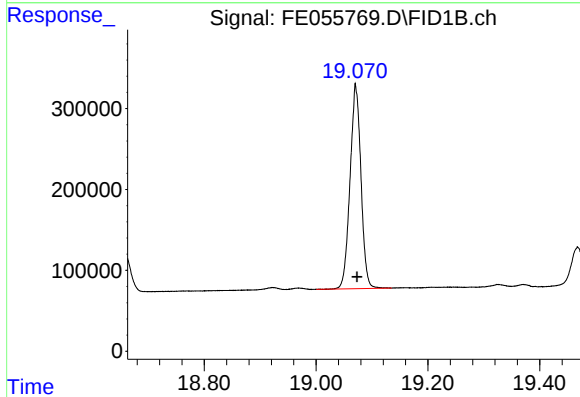
#17 n-Tricontane (C30)

R.T.: 18.237 min
Delta R.T.: -0.003 min
Response: 3260735
Conc: 22.06 ug/ml

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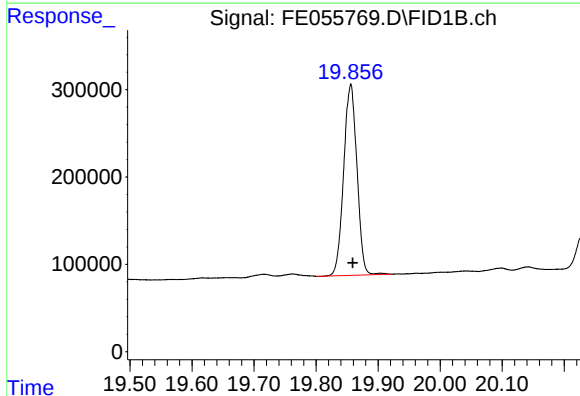
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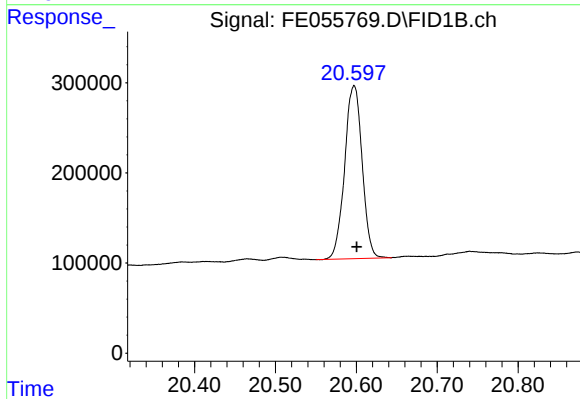
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: -0.003 min
Response: 3418717
Conc: 23.29 ug/ml



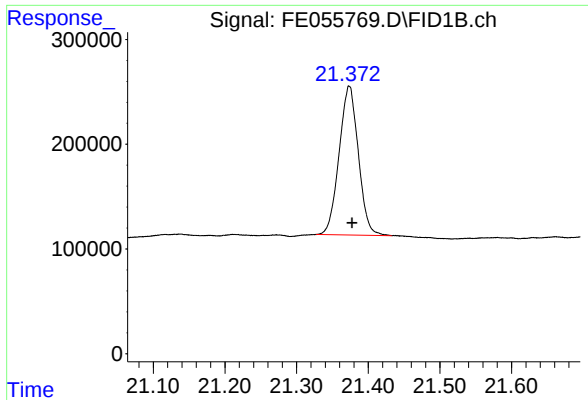
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: -0.003 min
Response: 3254140
Conc: 23.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.597 min
Delta R.T.: -0.004 min
Response: 2883159
Conc: 21.85 ug/ml



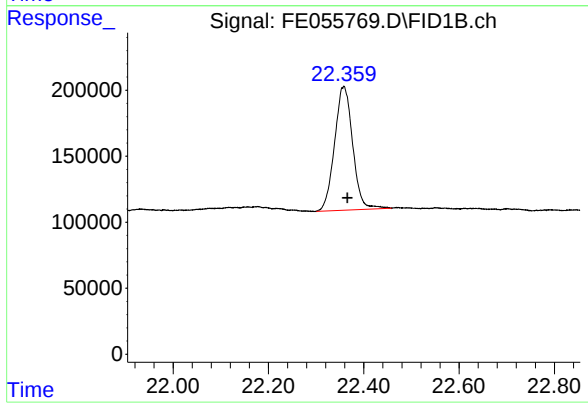
#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: -0.005 min
Response: 2647366
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.358 min
Delta R.T.: -0.008 min
Response: 2473443
Conc: 19.29 ug/ml