

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091225AL\
 Data File : FE055813.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2025 20:55
 Operator : YP\AJ
 Sample : Q3082-07MSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File: autoint1.e
 Quant Time: Sep 13 04:46:48 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)	12.070	4884322	29.731 ug/mlm
Spiked Amount 50.000		Recovery =	59.46%
12) S 1-chlorooctadecane (S...	13.507	3844204	30.743 ug/ml
Spiked Amount 50.000		Recovery =	61.49%
Target Compounds			
1) T n-Nonane (C9)	3.411	3690842	29.084 ug/ml
2) T n-Decane (C10)	4.670	4139476	32.315 ug/ml
3) T A~Naphthalene (C11.7)	6.387	5189925	35.722 ug/ml
4) T n-Dodecane (C12)	6.844	4761602	36.568 ug/ml
5) T A~2-methylnaphthalene...	7.488	5274998	37.504 ug/ml
6) T n-Tetradecane (C14)	8.682	5593512	42.474 ug/ml
7) T n-Hexadecane (C16)	10.297	6316245	45.606 ug/ml
8) T n-Octadecane (C18)	11.746	6413474	43.970 ug/mlm
10) T n-Eicosane (C20)	13.061	6562032	45.587 ug/ml
11) T n-Heneicosane (C21)	13.674	6099418	42.700 ug/mlm
13) T n-Docosane (C22)	14.263	5955168	41.603 ug/ml
14) T n-Tetracosane (C24)	15.370	11639893	80.443 ug/ml
15) T n-Hexacosane (C26)	16.395	5351400	37.458 ug/ml
16) T n-Octacosane (C28)	17.345	5240483	36.843 ug/ml
17) T n-Tricontane (C30)	18.235	5506659	37.253 ug/ml
18) T n-Dotriacontane (C32)	19.069	5601211	38.162 ug/ml
19) T n-Tetratriacontane (C34)	19.855	5753314	40.721 ug/ml
20) T n-Hexatriacontane (C36)	20.596	5789039	43.871 ug/ml
21) T n-Octatriacontane (C38)	21.371	5850666	44.922 ug/ml
22) T n-Tetracontane (C40)	22.357	5778327	45.058 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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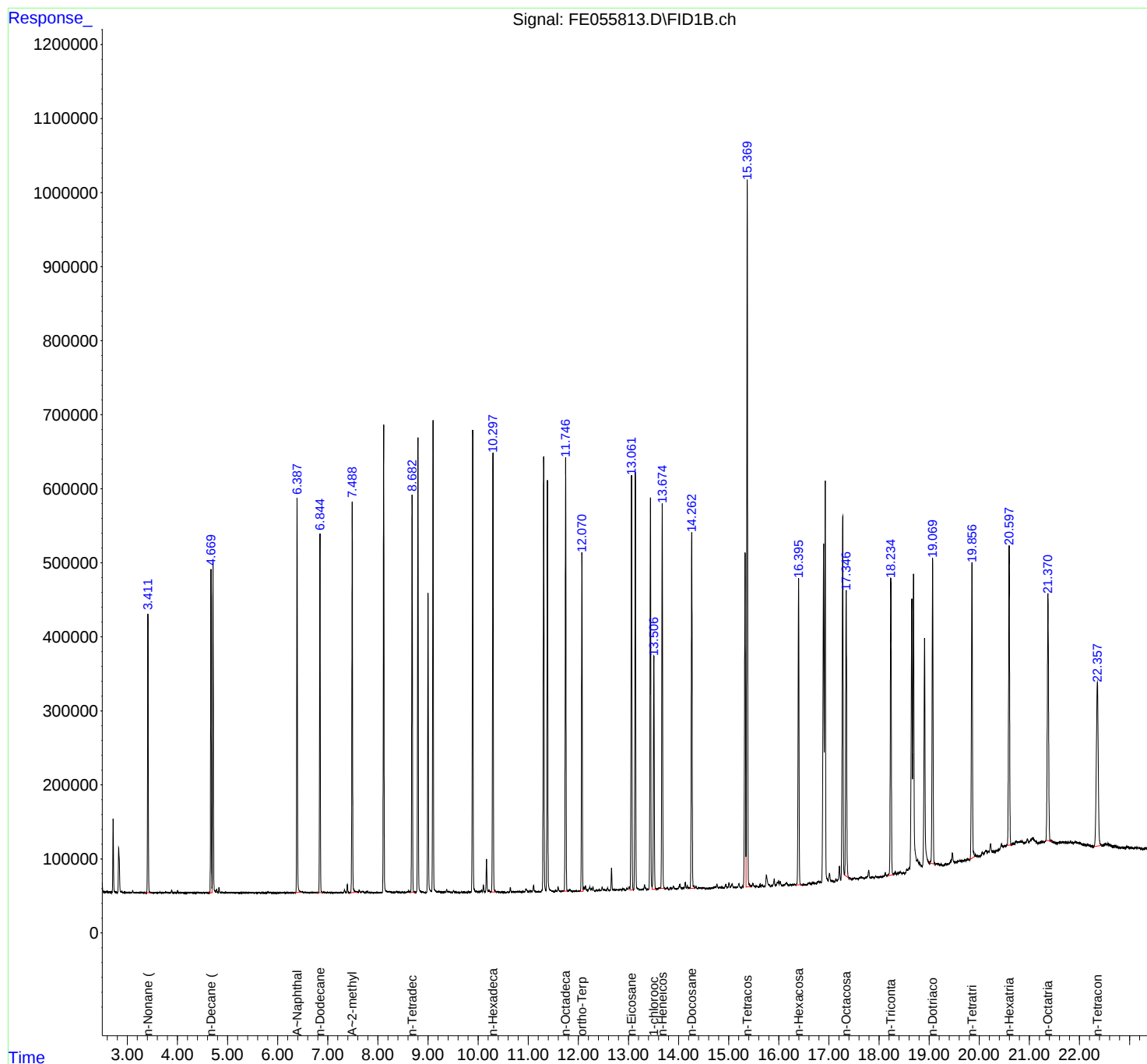
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FID_E
ClientSampleId :

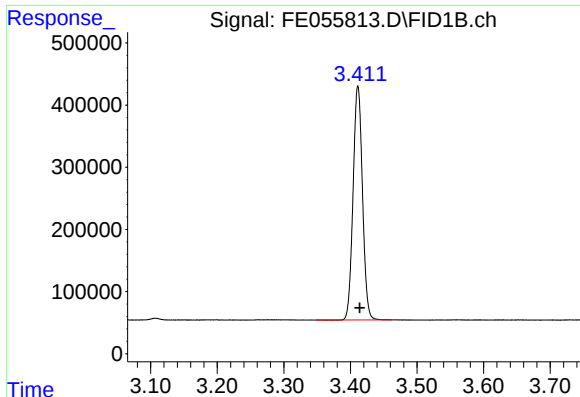
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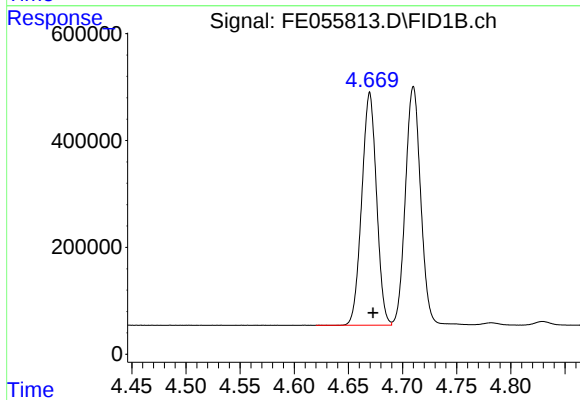
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: -0.003 min
Response: 3690842
Conc: 29.08 ug/ml

Instrument :
FID_E
ClientSampleId :

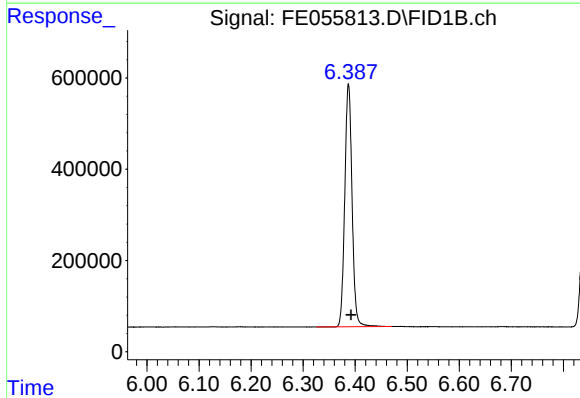
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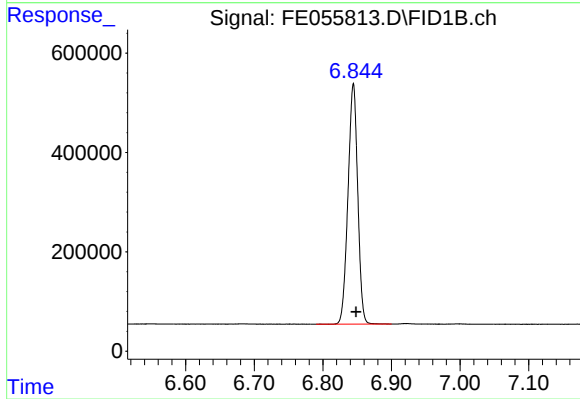
#2 n-Decane (C10)

R.T.: 4.670 min
Delta R.T.: -0.003 min
Response: 4139476
Conc: 32.31 ug/ml



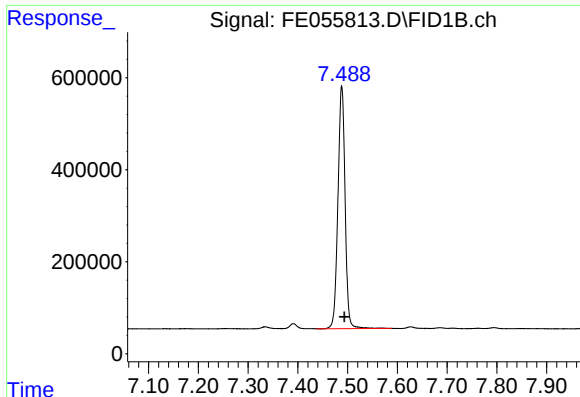
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: -0.005 min
Response: 5189925
Conc: 35.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.004 min
Response: 4761602
Conc: 36.57 ug/ml



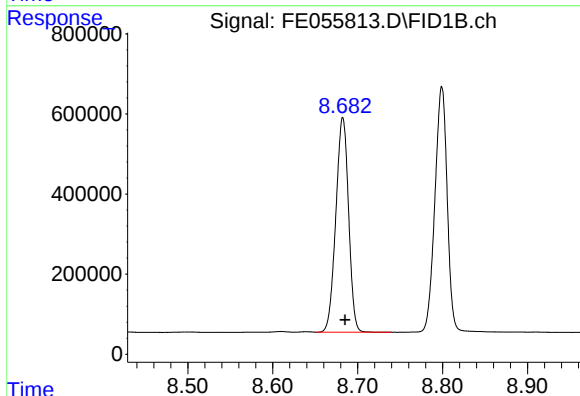
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.488 min
Delta R.T.: -0.005 min
Response: 5274998
Conc: 37.50 ug/ml

Instrument :
FID_E
ClientSampleId :

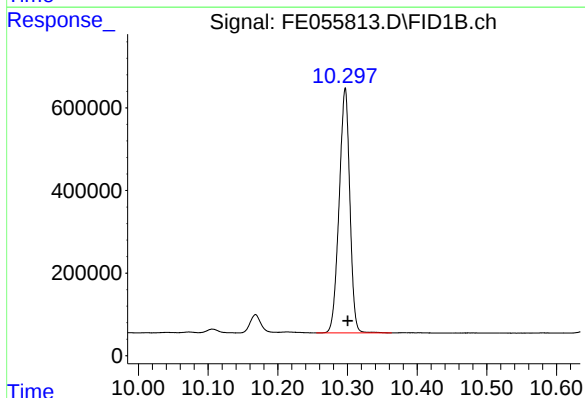
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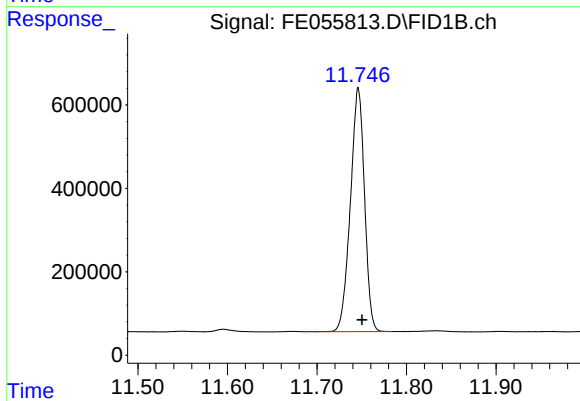
#6 n-Tetradecane (C14)

R.T.: 8.682 min
Delta R.T.: -0.003 min
Response: 5593512
Conc: 42.47 ug/ml



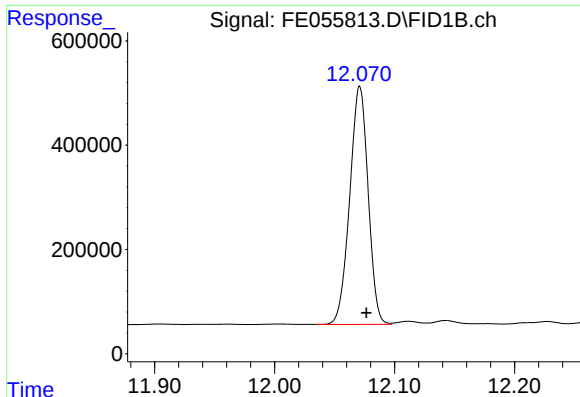
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: -0.004 min
Response: 6316245
Conc: 45.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.746 min
Delta R.T.: -0.005 min
Response: 6413474
Conc: 43.97 ug/ml m



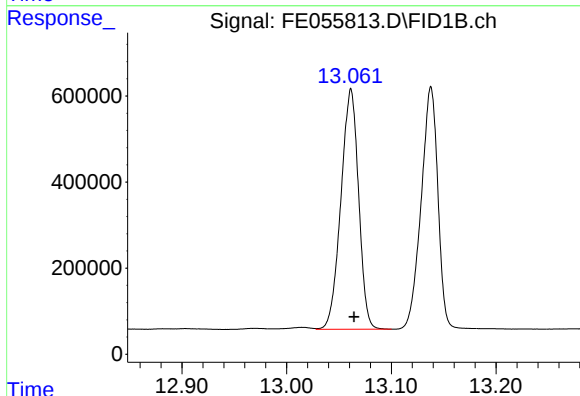
#9 ortho-Terphenyl (SURR)

R.T.: 12.070 min
Delta R.T.: -0.006 min
Response: 4884322
Conc: 29.73 ug/ml

Instrument :
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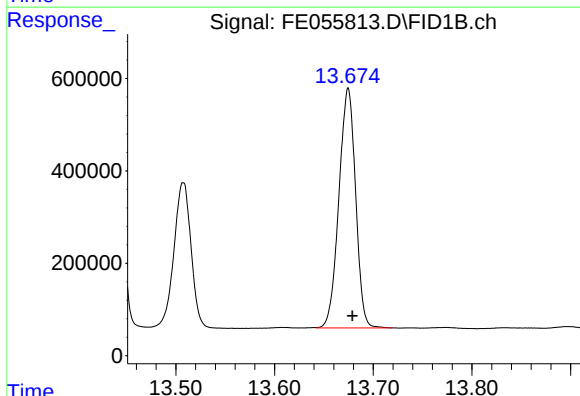
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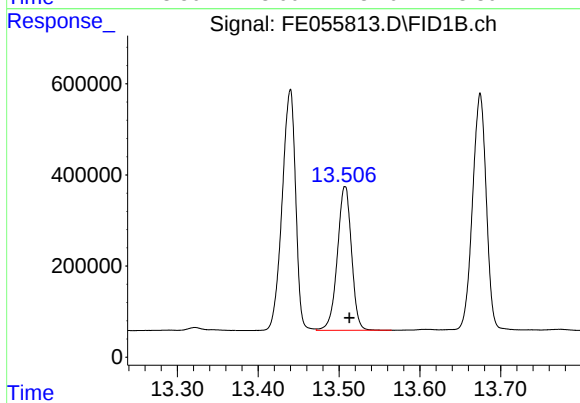
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: -0.003 min
Response: 6562032
Conc: 45.59 ug/ml



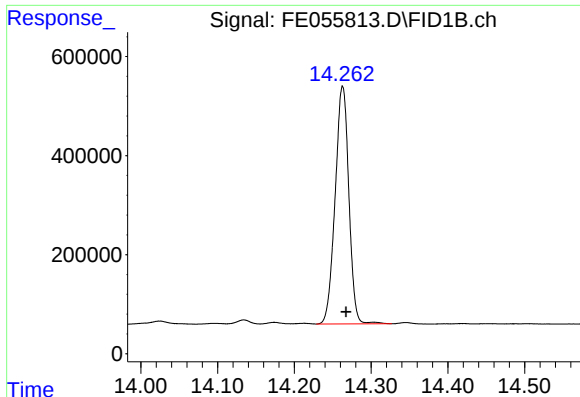
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: -0.005 min
Response: 6099418
Conc: 42.70 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.507 min
Delta R.T.: -0.005 min
Response: 3844204
Conc: 30.74 ug/ml



#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: -0.005 min
Response: 5955168
Conc: 41.60 ug/ml

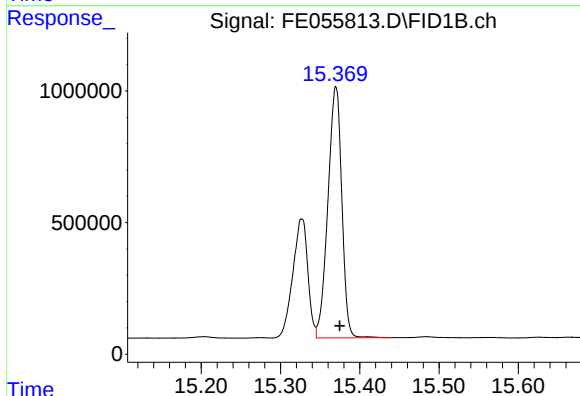
Instrument :

FID_E

ClientSampleId :

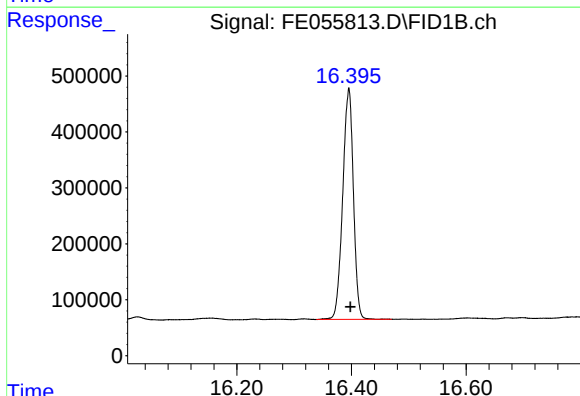
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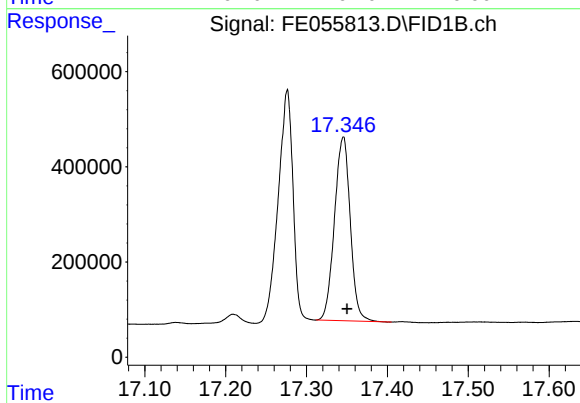
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: -0.005 min
Response: 11639893
Conc: 80.44 ug/ml



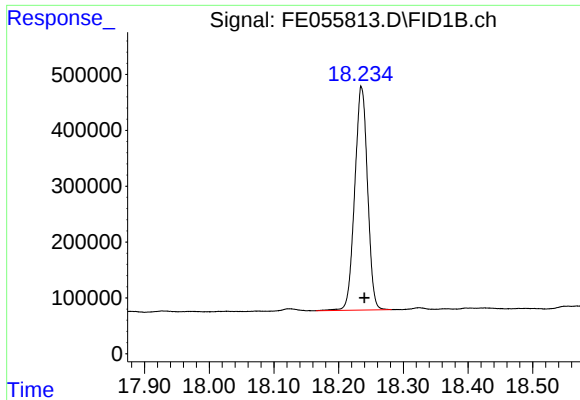
#15 n-Hexacosane (C26)

R.T.: 16.395 min
Delta R.T.: -0.003 min
Response: 5351400
Conc: 37.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.345 min
Delta R.T.: -0.005 min
Response: 5240483
Conc: 36.84 ug/ml



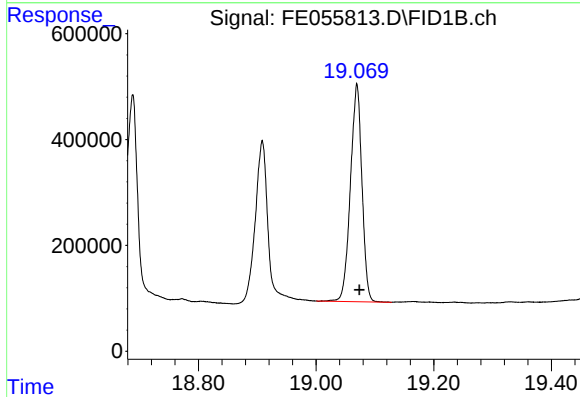
#17 n-Tricontane (C30)

R.T.: 18.235 min
Delta R.T.: -0.004 min
Response: 5506659
Conc: 37.25 ug/ml

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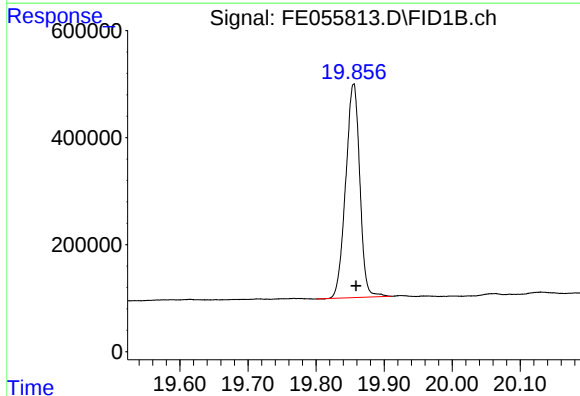
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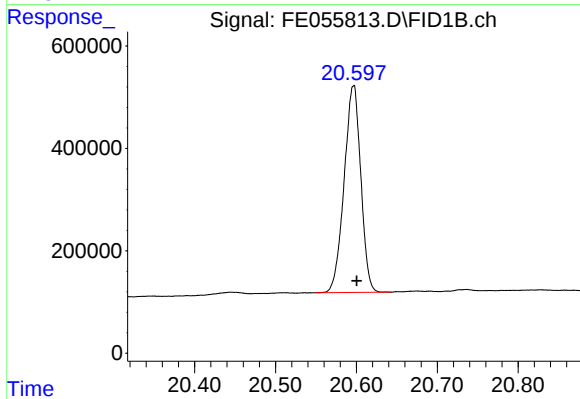
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: -0.004 min
Response: 5601211
Conc: 38.16 ug/ml



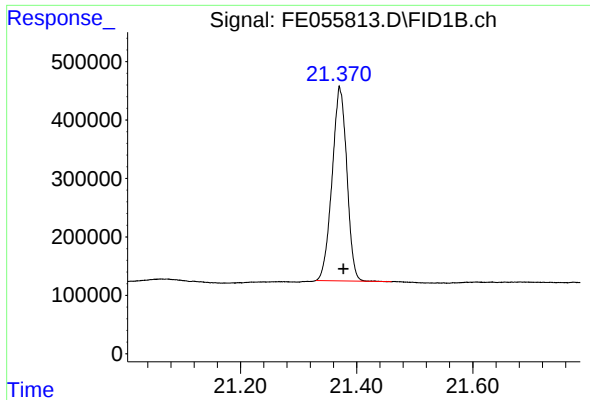
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: -0.004 min
Response: 5753314
Conc: 40.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: -0.004 min
Response: 5789039
Conc: 43.87 ug/ml



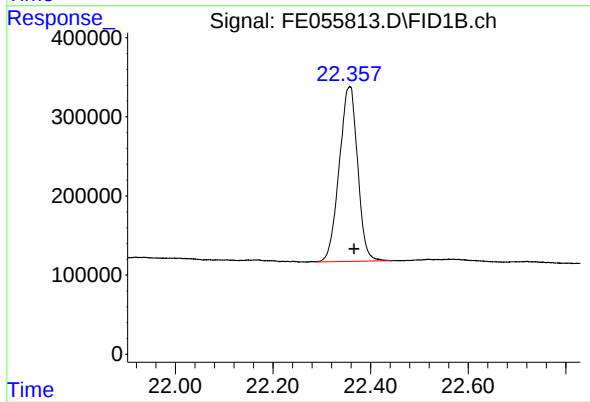
#21 n-Octatriacontane (C38)

R.T.: 21.371 min
Delta R.T.: -0.006 min
Response: 5850666
Conc: 44.92 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 22.357 min
Delta R.T.: -0.009 min
Response: 5778327
Conc: 45.06 ug/ml m