

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061125AL\
 Data File : FE054301.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 22:20
 Operator : YP\AJ
 Sample : Q2274-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-13-MHP-WCMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/11/2025

Supervised By :mohammad ahmed 06/12/2025

Integration File: autoint1.e

Quant Time: Jun 11 02:41:37 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 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)	11.832	5395609	32.654 ug/ml
Spiked Amount 50.000		Recovery =	65.31%
12) S 1-chlorooctadecane (S...	13.276	4570933	37.482 ug/mlm
Spiked Amount 50.000		Recovery =	74.96%
Target Compounds			
1) T n-Nonane (C9)	3.180	4736986	38.146 ug/ml
2) T n-Decane (C10)	4.443	5210323	41.933 ug/ml
3) T A~Naphthalene (C11.7)	6.156	4432168	32.797 ug/ml
4) T n-Dodecane (C12)	6.624	5762890	45.259 ug/ml
5) T A~2-methylnaphthalene...	7.258	4311180	32.549 ug/ml
6) T n-Tetradecane (C14)	8.460	6145990	47.472 ug/ml
7) T n-Hexadecane (C16)	10.071	6723290	50.612 ug/ml
8) T n-Octadecane (C18)	11.519	7133372	52.827 ug/ml
10) T n-Eicosane (C20)	12.832	7533206	56.312 ug/ml
11) T n-Heneicosane (C21)	13.445	7198166	54.135 ug/ml
13) T n-Docosane (C22)	14.033	7149450	54.525 ug/ml
14) T n-Tetracosane (C24)	15.133	12128844	94.026 ug/ml
15) T n-Hexacosane (C26)	16.162	6913394	55.074 ug/ml
16) T n-Octacosane (C28)	17.112	6998473	57.069 ug/mlm
17) T n-Tricontane (C30)	18.003	6790272	54.786 ug/ml
18) T n-Dotriacontane (C32)	18.836	6475004	51.534 ug/ml
19) T n-Tetratriacontane (C34)	19.620	5465429	43.932 ug/ml
20) T n-Hexatriacontane (C36)	20.360	4097476	31.830 ug/ml
21) T n-Octatriacontane (C38)	21.087	3250425	24.617 ug/ml
22) T n-Tetracontane (C40)	21.975	2621795	19.463 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 20 Sample Multiplier: 1

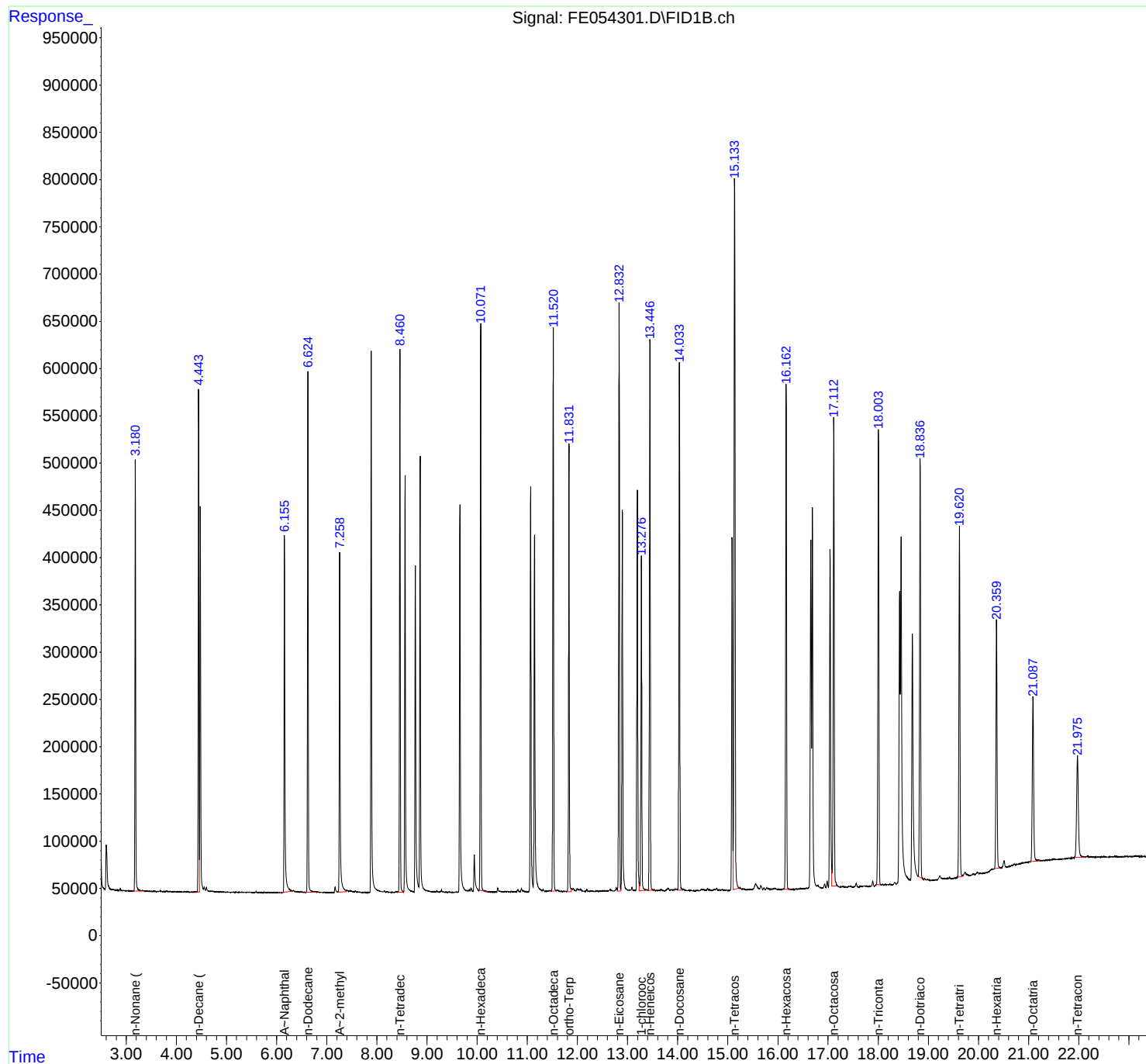
Instrument :
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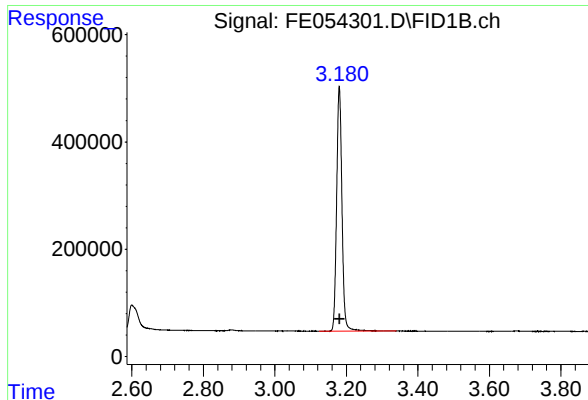
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.180 min
Delta R.T.: 0.000 min
Response: 4736986
Conc: 38.15 ug/ml

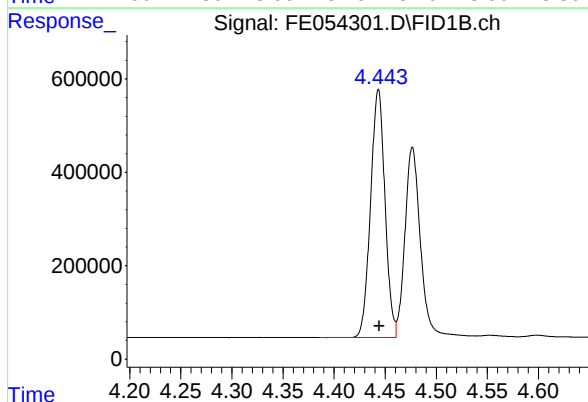
Instrument :

FID_E

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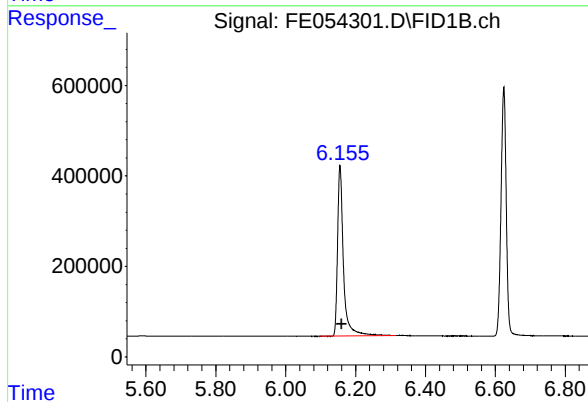
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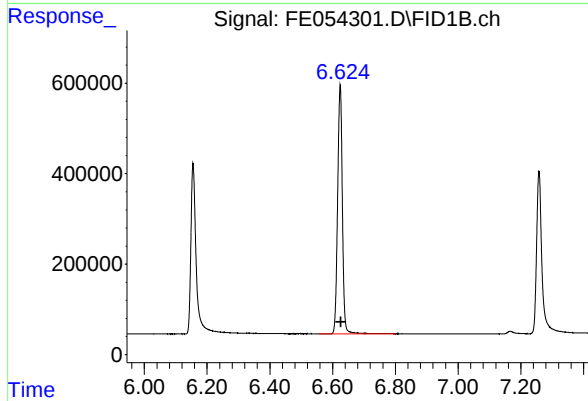
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: 0.000 min
Response: 5210323
Conc: 41.93 ug/ml



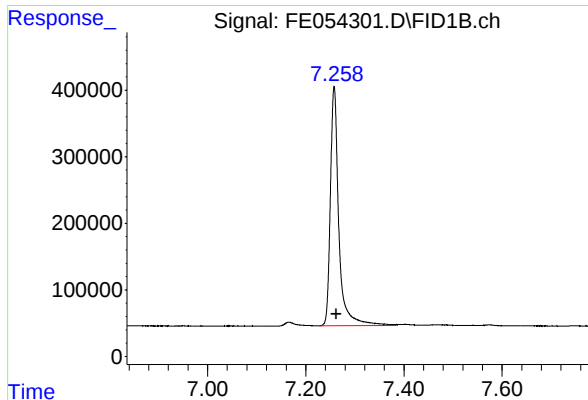
#3 A~Naphthalene (C11.7)

R.T.: 6.156 min
Delta R.T.: -0.005 min
Response: 4432168
Conc: 32.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.624 min
Delta R.T.: -0.002 min
Response: 5762890
Conc: 45.26 ug/ml



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

R.T.: 7.258 min
Delta R.T.: -0.005 min
Response: 4311180
Conc: 32.55 ug/ml

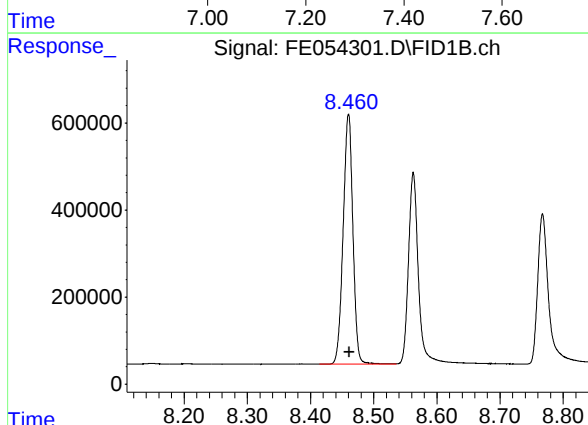
Instrument :

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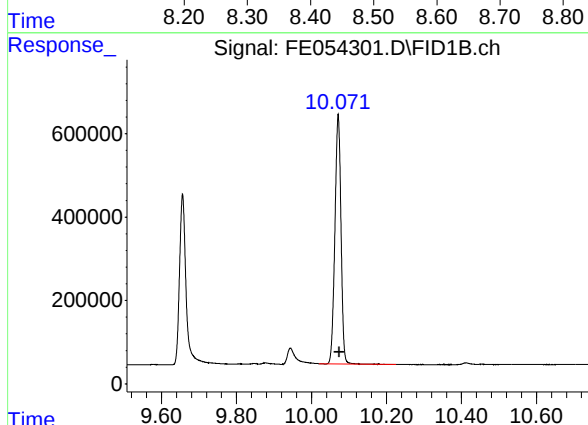
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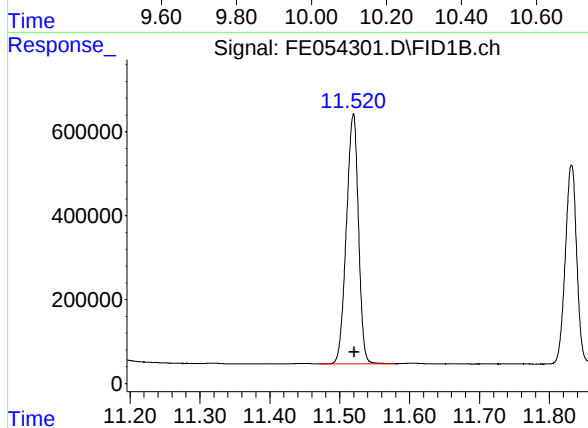
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.001 min
Response: 6145990
Conc: 47.47 ug/ml



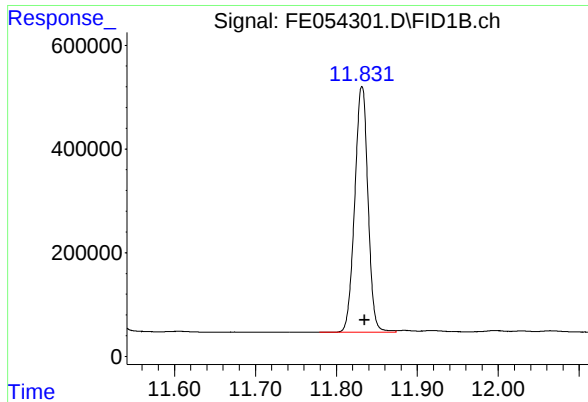
#7 n-Hexadecane (C16)

R.T.: 10.071 min
Delta R.T.: -0.003 min
Response: 6723290
Conc: 50.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.519 min
Delta R.T.: -0.002 min
Response: 7133372
Conc: 52.83 ug/ml



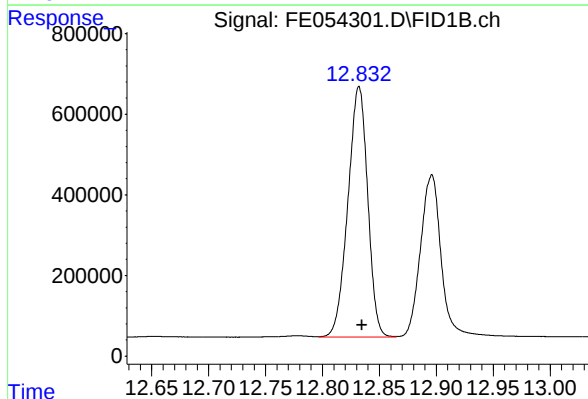
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.003 min
Response: 5395609
Conc: 32.65 ug/ml

Instrument :
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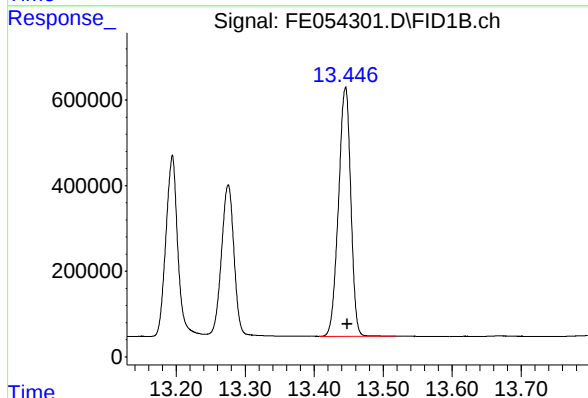
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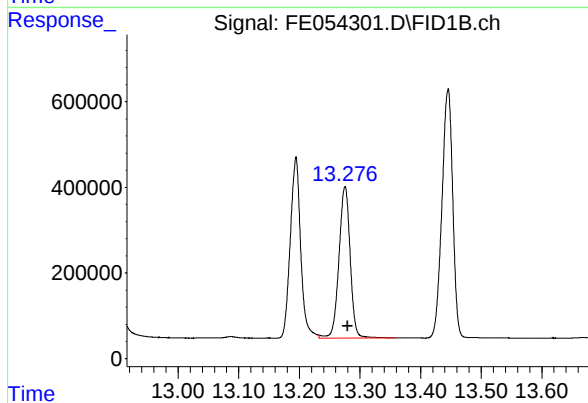
#10 n-Eicosane (C20)

R.T.: 12.832 min
Delta R.T.: -0.003 min
Response: 7533206
Conc: 56.31 ug/ml



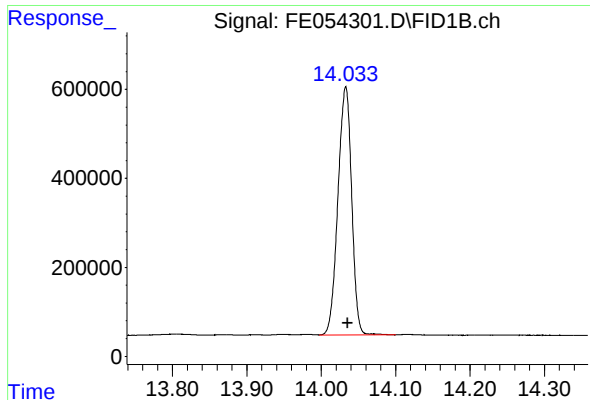
#11 n-Heneicosane (C21)

R.T.: 13.445 min
Delta R.T.: -0.003 min
Response: 7198166
Conc: 54.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.276 min
Delta R.T.: -0.004 min
Response: 4570933
Conc: 37.48 ug/ml m



#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: -0.003 min
Response: 7149450
Conc: 54.53 ug/ml

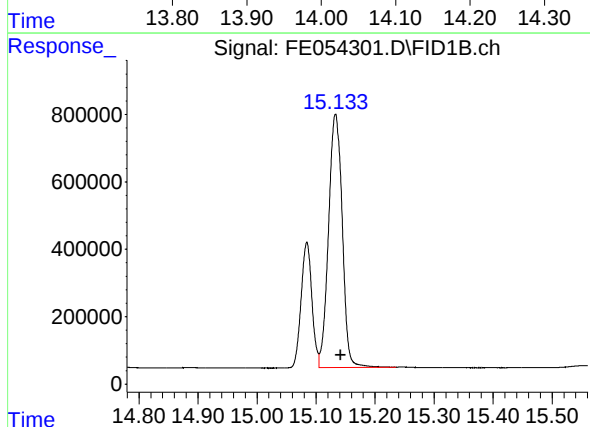
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ClientSampleId :
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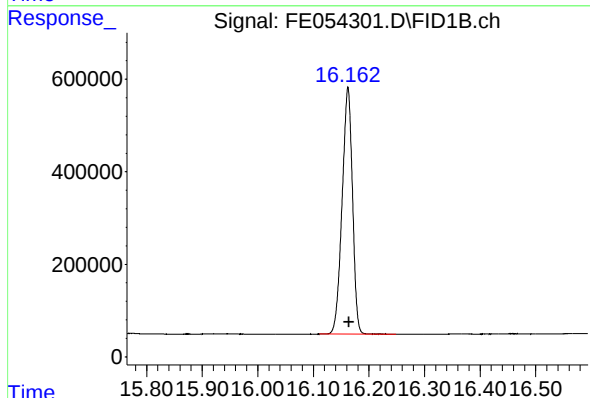
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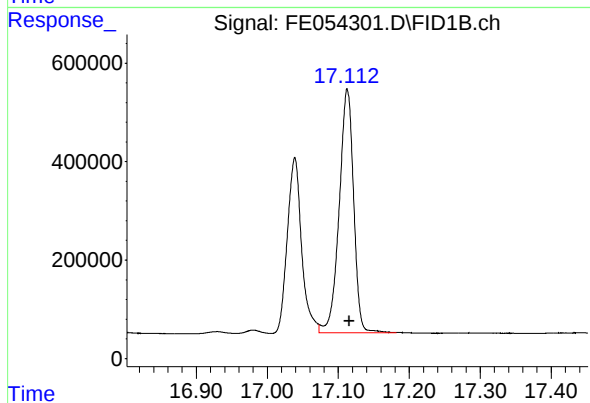
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.008 min
Response: 12128844
Conc: 94.03 ug/ml



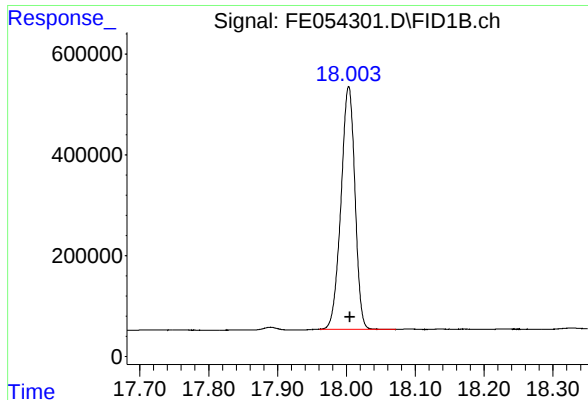
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.002 min
Response: 6913394
Conc: 55.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.003 min
Response: 6998473
Conc: 57.07 ug/ml m



#17 n-Tricontane (C30)

R.T.: 18.003 min
Delta R.T.: -0.002 min
Response: 6790272
Conc: 54.79 ug/ml

Instrument :

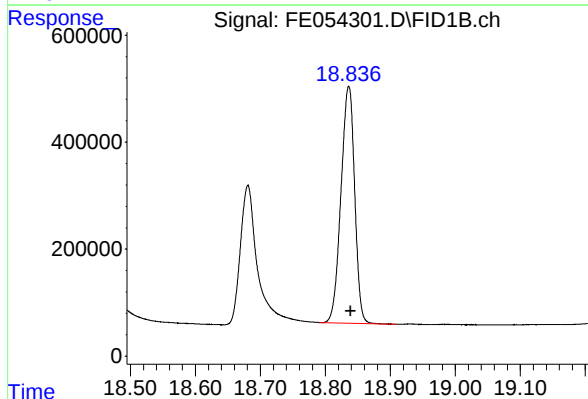
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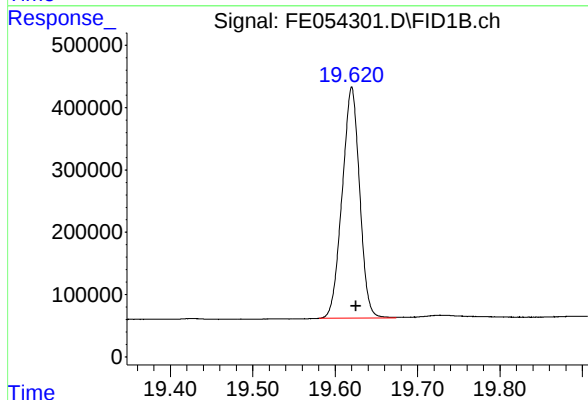
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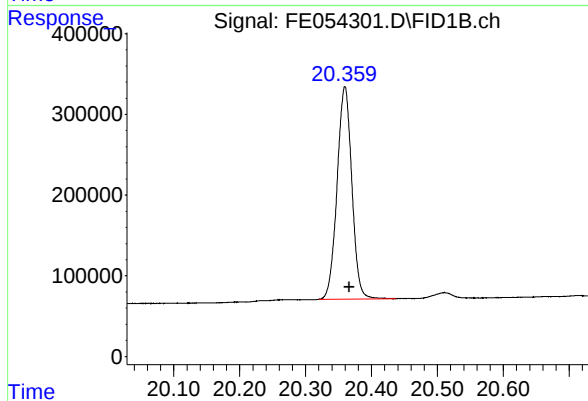
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: -0.003 min
Response: 6475004
Conc: 51.53 ug/ml



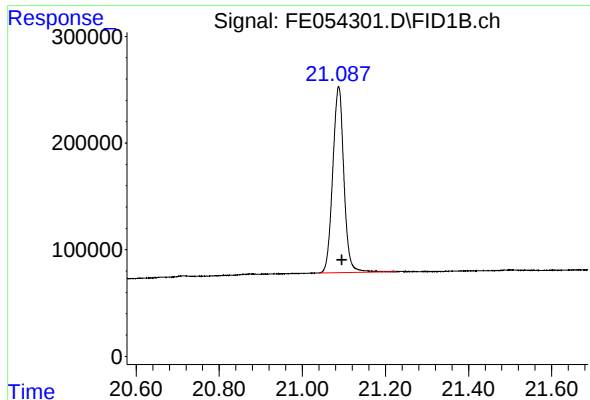
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.005 min
Response: 5465429
Conc: 43.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.007 min
Response: 4097476
Conc: 31.83 ug/ml



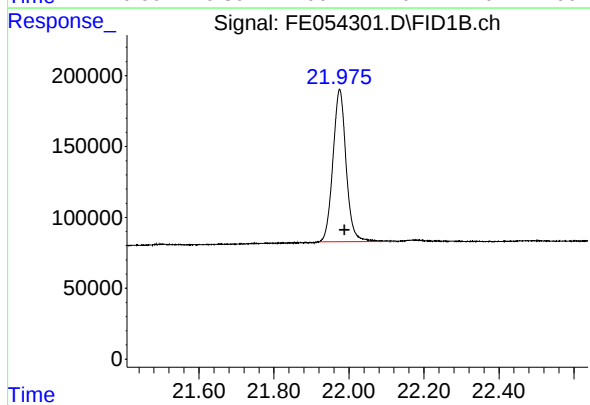
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.008 min
Response: 3250425
Conc: 24.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: -0.013 min
Response: 2621795
Conc: 19.46 ug/ml