

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090825AL\
 Data File : FE055725.D
 Signal(s) : FID1B.ch
 Acq On : 08 Sep 2025 18:48
 Operator : YP\AJ
 Sample : Q3031-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PL-01-09052025MSD

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 01:17:32 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	4713073	28.689 ug/mlm
Spiked Amount 50.000		Recovery =	57.38%
12) S 1-chlorooctadecane (S...	13.519	6300064	50.382 ug/ml
Spiked Amount 50.000		Recovery =	100.76%
Target Compounds			
1) T n-Nonane (C9)	3.416	3325023	26.202 ug/ml
2) T n-Decane (C10)	4.675	3763428	29.379 ug/ml
3) T A~Naphthalene (C11.7)	6.395	4739778	32.623 ug/ml
4) T n-Dodecane (C12)	6.851	4242601	32.582 ug/ml
5) T A~2-methylnaphthalene...	7.497	4685788	33.315 ug/ml
6) T n-Tetradecane (C14)	8.689	4888864	37.123 ug/ml
7) T n-Hexadecane (C16)	10.304	5941505	42.900 ug/ml
8) T n-Octadecane (C18)	11.754	5660253	38.806 ug/mlm
10) T n-Eicosane (C20)	13.072	6493592	45.111 ug/mlm
11) T n-Heneicosane (C21)	13.685	5593632	39.159 ug/ml
13) T n-Docosane (C22)	14.274	6418956	44.843 ug/ml
14) T n-Tetracosane (C24)	15.397	18344428	126.777 ug/ml
15) T n-Hexacosane (C26)	16.408	5489406	38.424 ug/mlm
16) T n-Octacosane (C28)	17.358	4757022	33.444 ug/ml
17) T n-Tricontane (C30)	18.249	5795425	39.206 ug/mlm
18) T n-Dotriacontane (C32)	19.082	6147264	41.882 ug/mlm
19) T n-Tetratriacontane (C34)	19.869	5563794	39.380 ug/ml
20) T n-Hexatriacontane (C36)	20.609	5462245	41.394 ug/mlm
21) T n-Octatriacontane (C38)	21.390	5567097	42.745 ug/ml
22) T n-Tetracontane (C40)	22.381	5442263	42.438 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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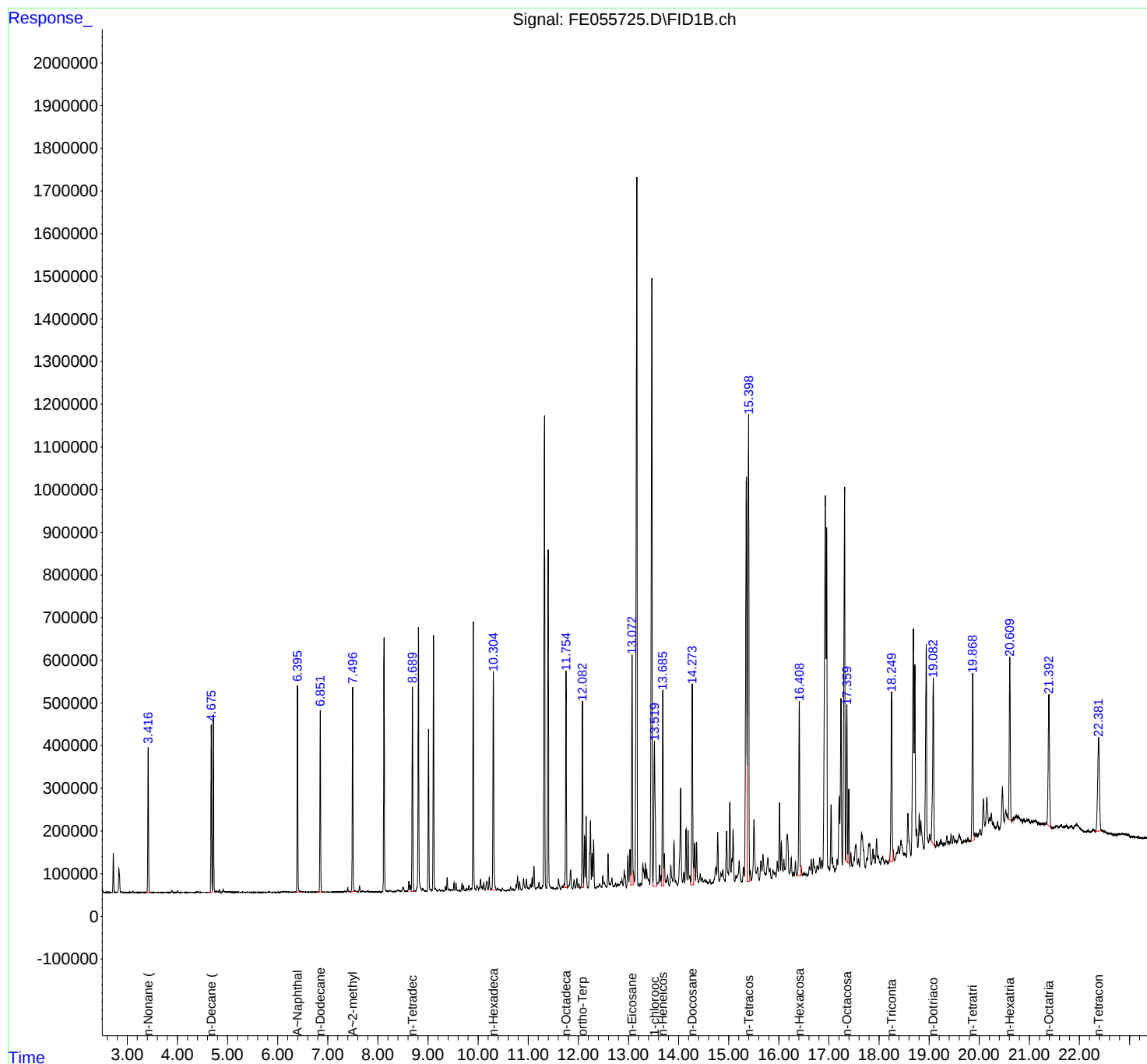
Instrument :
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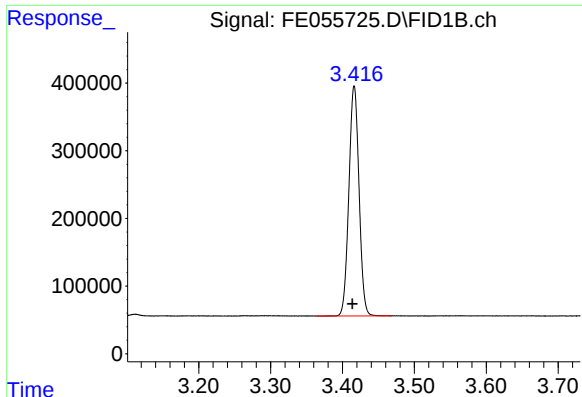
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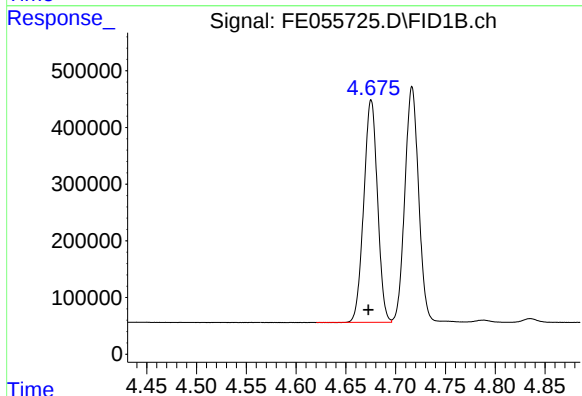
#1 n-Nonane (C9)

R.T.: 3.416 min
Delta R.T.: 0.002 min
Response: 3325023
Conc: 26.20 ug/ml

Instrument :
FID_E
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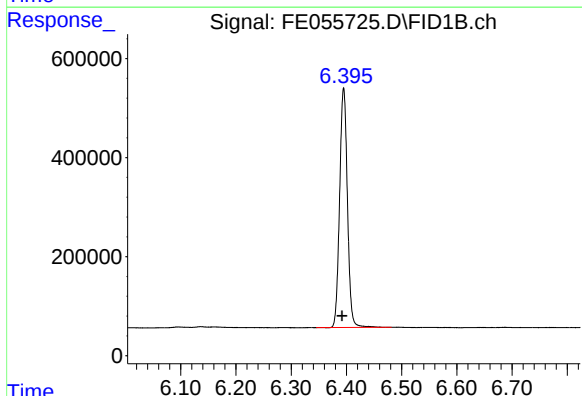
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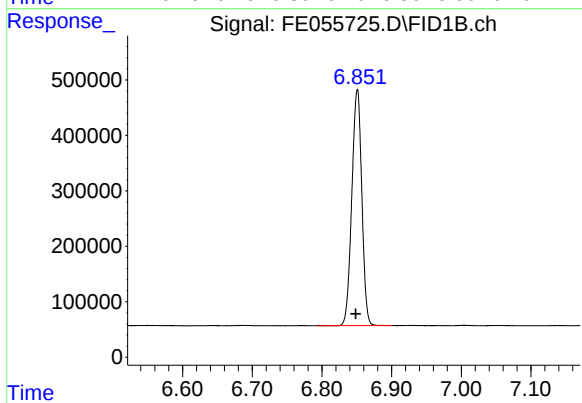
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.003 min
Response: 3763428
Conc: 29.38 ug/ml



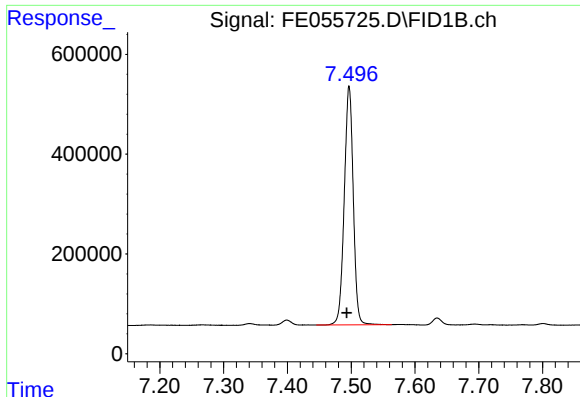
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.003 min
Response: 4739778
Conc: 32.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.851 min
Delta R.T.: 0.002 min
Response: 4242601
Conc: 32.58 ug/ml



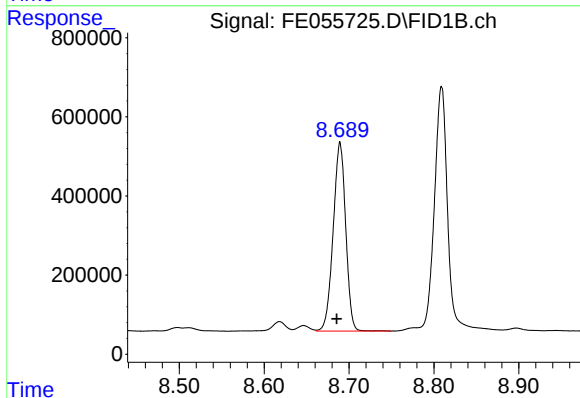
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.497 min
Delta R.T.: 0.004 min
Response: 4685788
Conc: 33.32 ug/ml

Instrument :
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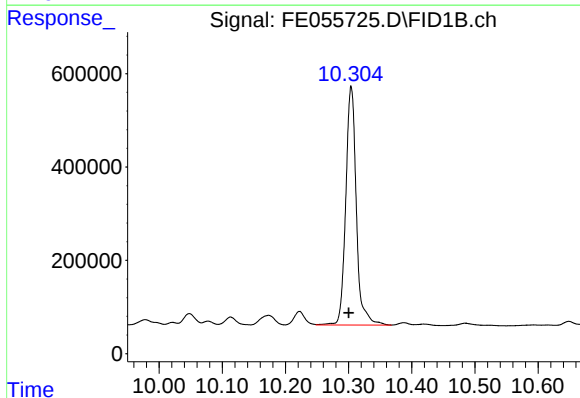
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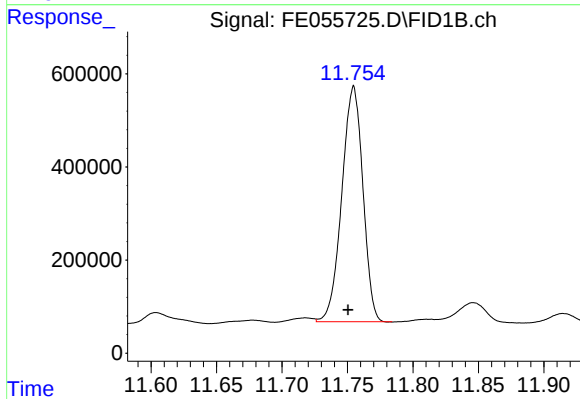
#6 n-Tetradecane (C14)

R.T.: 8.689 min
Delta R.T.: 0.004 min
Response: 4888864
Conc: 37.12 ug/ml



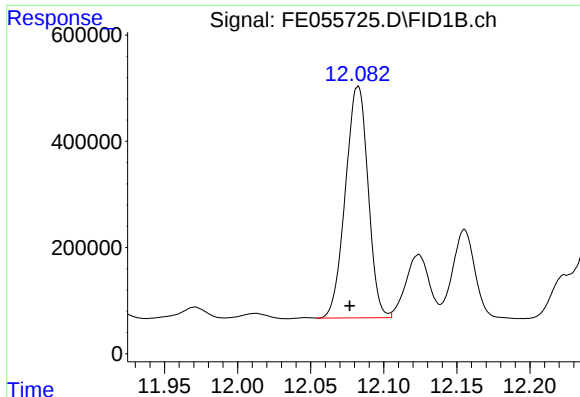
#7 n-Hexadecane (C16)

R.T.: 10.304 min
Delta R.T.: 0.004 min
Response: 5941505
Conc: 42.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.754 min
Delta R.T.: 0.004 min
Response: 5660253
Conc: 38.81 ug/ml m



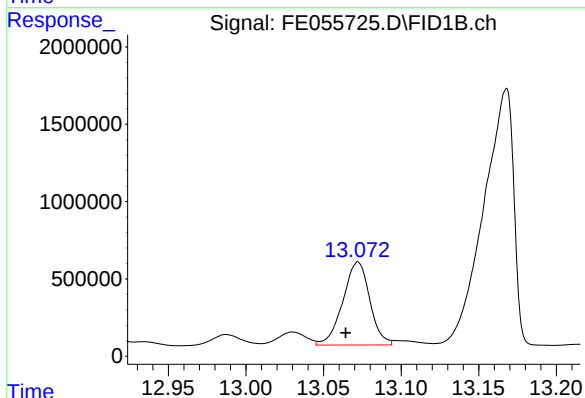
#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: 0.006 min
Response: 4713073
Conc: 28.69 ug/ml

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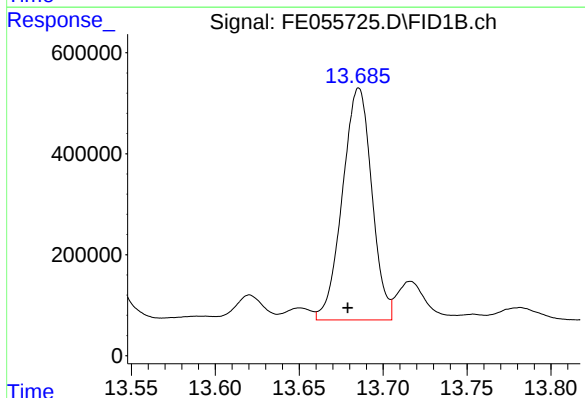
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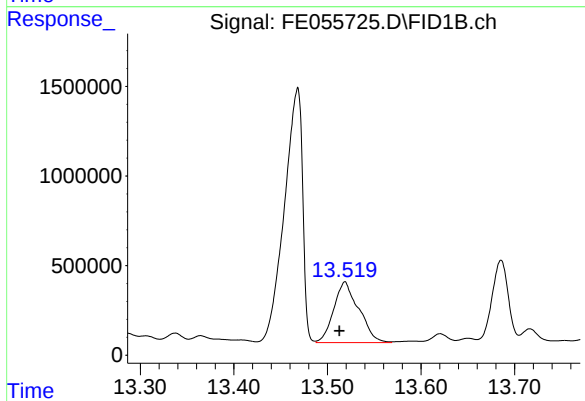
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.007 min
Response: 6493592
Conc: 45.11 ug/ml m



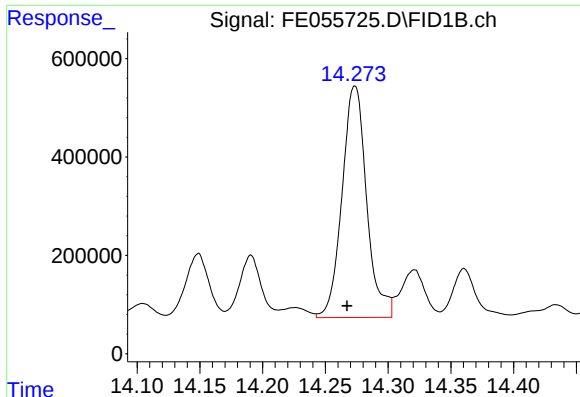
#11 n-Heneicosane (C21)

R.T.: 13.685 min
Delta R.T.: 0.007 min
Response: 5593632
Conc: 39.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.006 min
Response: 6300064
Conc: 50.38 ug/ml



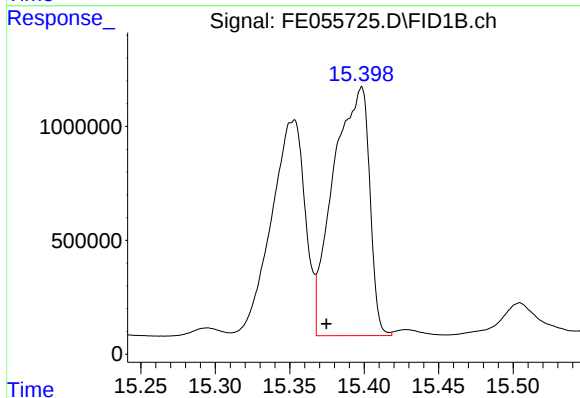
#13 n-Docosane (C22)

R.T.: 14.274 min
Delta R.T.: 0.006 min
Response: 6418956
Conc: 44.84 ug/ml

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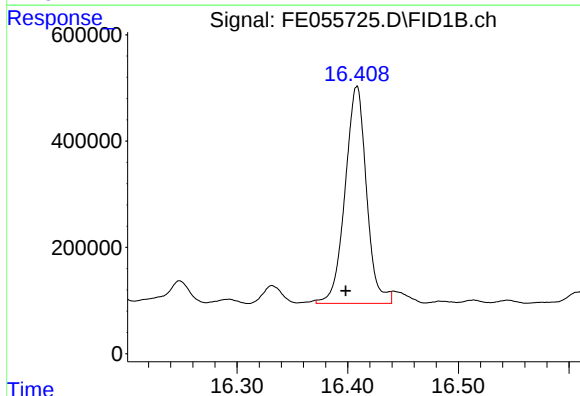
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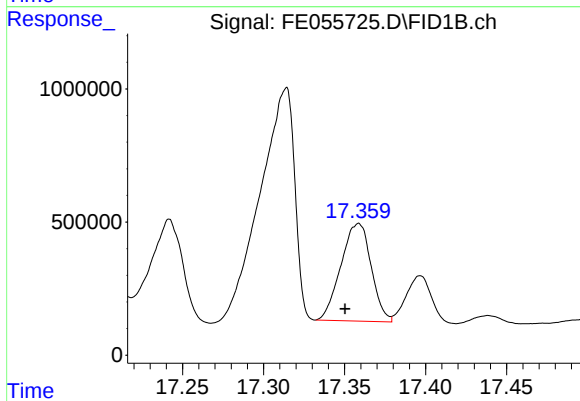
#14 n-Tetracosane (C24)

R.T.: 15.397 min
Delta R.T.: 0.022 min
Response: 18344428
Conc: 126.78 ug/ml



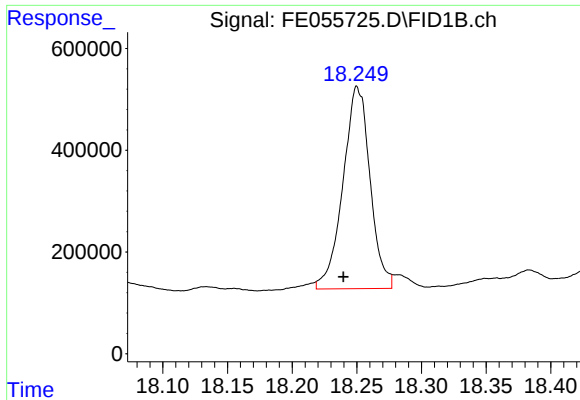
#15 n-Hexacosane (C26)

R.T.: 16.408 min
Delta R.T.: 0.010 min
Response: 5489406
Conc: 38.42 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.358 min
Delta R.T.: 0.008 min
Response: 4757022
Conc: 33.44 ug/ml



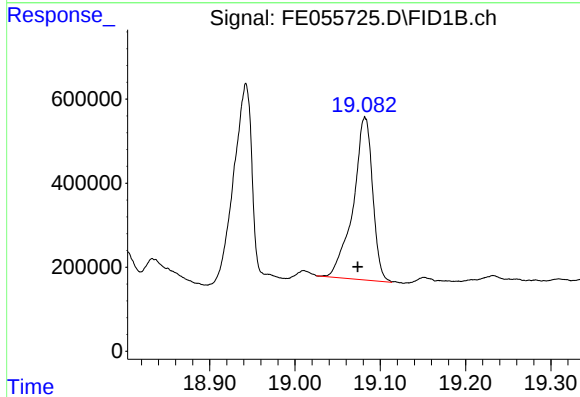
#17 n-Tricontane (C30)

R.T.: 18.249 min
Delta R.T.: 0.010 min
Response: 5795425
Conc: 39.21 ug/ml

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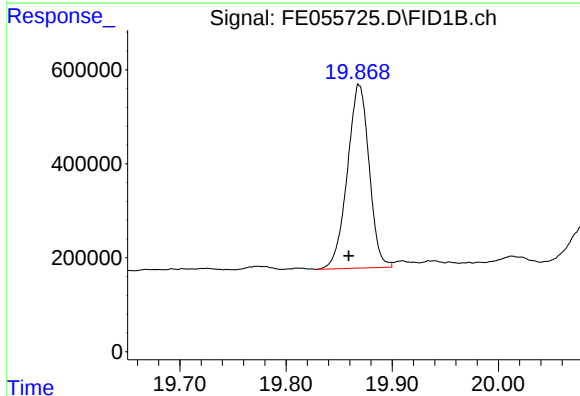
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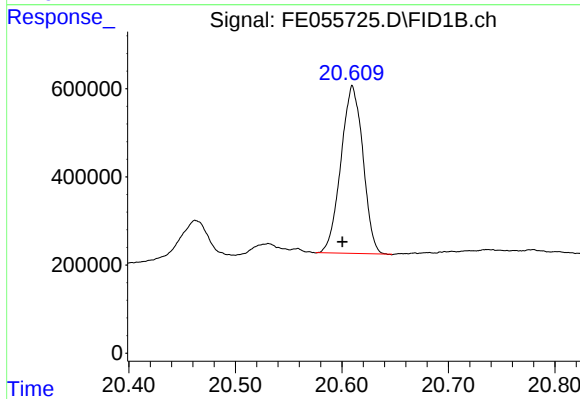
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.008 min
Response: 6147264
Conc: 41.88 ug/ml m



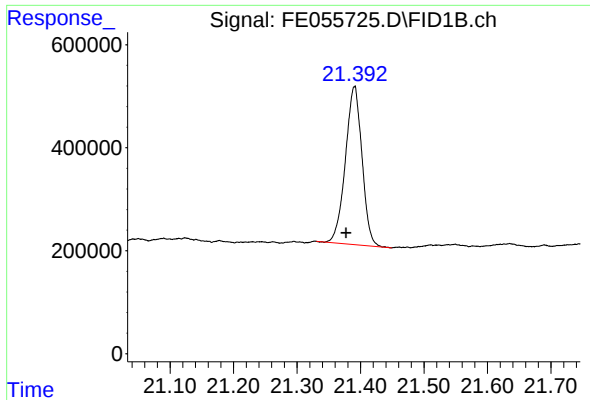
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.010 min
Response: 5563794
Conc: 39.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.609 min
Delta R.T.: 0.009 min
Response: 5462245
Conc: 41.39 ug/ml m



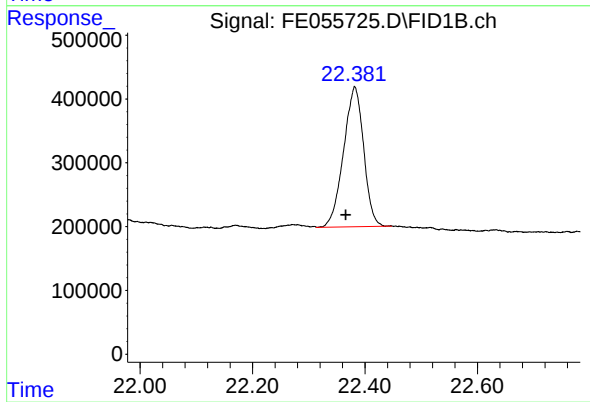
#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.013 min
Response: 5567097
Conc: 42.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.015 min
Response: 5442263
Conc: 42.44 ug/ml m