Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072225AL\
Data File : FE054954.D
Signal(s) : FID1B.ch
Acq On : 22 Jul 2025 08:25
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

Integration File: autoint1.e
Quant Time: Jul 23 04:27:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 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)	12.089	3284545	20.226 ug/ml
Spiked Amount	50.000		Recovery =	40.45%
12) S	1-chlorooctadecane (S...	13.525	2478684	19.626 ug/ml
Spiked Amount	50.000		Recovery =	39.25%
	Target Compounds			
1) T	n-Nonane (C9)	3.425	2645570	19.668 ug/ml
2) T	n-Decane (C10)	4.684	2761198	20.236 ug/ml
3) T	A~Naphthalene (C11.7)	6.404	3166800	20.915 ug/ml
4) T	n-Dodecane (C12)	6.860	2840493	20.702 ug/ml
5) T	A~2-methylnaphthalene...	7.505	3082626	20.970 ug/ml
6) T	n-Tetradecane (C14)	8.697	2895563	20.888 ug/ml
7) T	n-Hexadecane (C16)	10.312	2995696	21.021 ug/ml
8) T	n-Octadecane (C18)	11.762	3022744	20.625 ug/ml
10) T	n-Eicosane (C20)	13.077	2880369	20.031 ug/ml
11) T	n-Heneicosane (C21)	13.691	2818310	19.732 ug/ml
13) T	n-Docosane (C22)	14.279	2790412	19.542 ug/ml
14) T	n-Tetracosane (C24)	15.385	2778542	19.114 ug/ml
15) T	n-Hexacosane (C26)	16.409	2735894	18.905 ug/ml
16) T	n-Octacosane (C28)	17.361	2725730	18.703 ug/ml
17) T	n-Tricontane (C30)	18.251	2873806	18.237 ug/ml
18) T	n-Dotriacontane (C32)	19.086	2905558	17.959 ug/ml
19) T	n-Tetratriacontane (C34)	19.869	2743552	18.003 ug/ml
20) T	n-Hexatriacontane (C36)	20.611	2533559	18.843 ug/ml
21) T	n-Octatriacontane (C38)	21.394	2524580	21.525 ug/ml
22) T	n-Tetracontane (C40)	22.388	2349451	21.677 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

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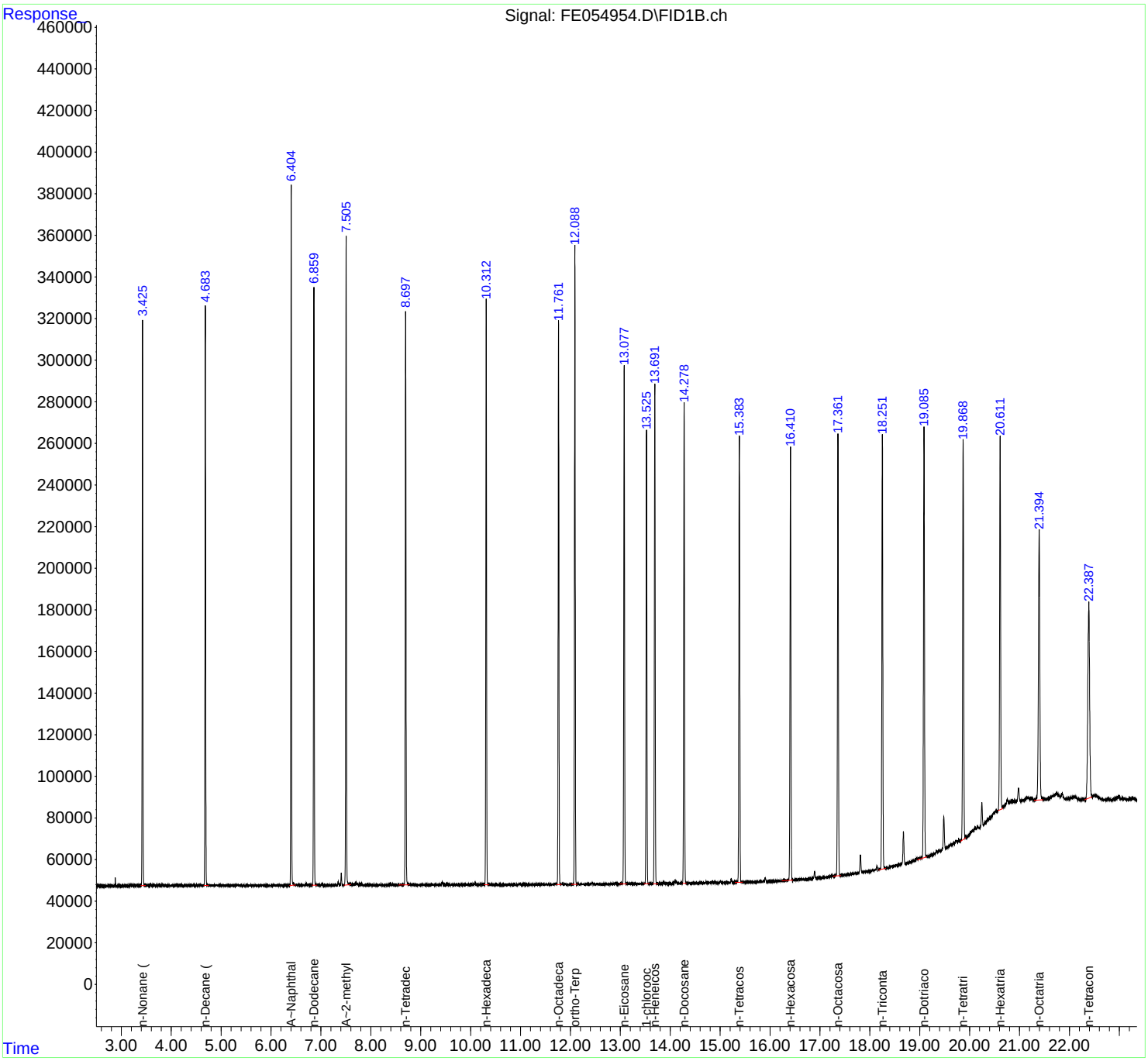
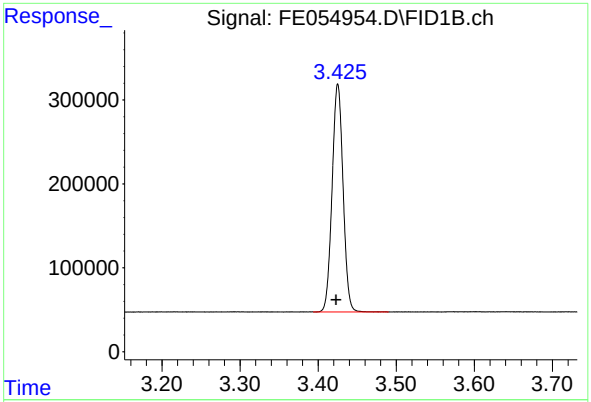
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

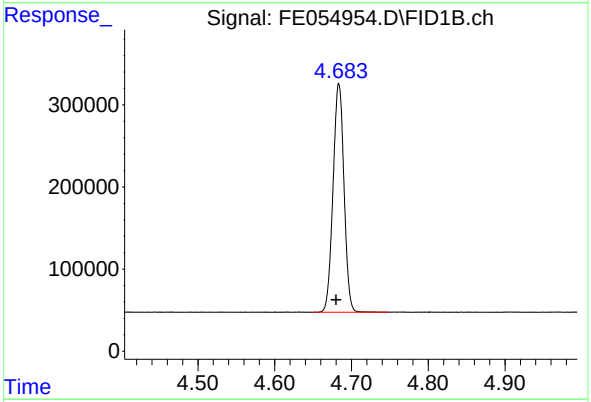




#1 n-Nonane (C9)

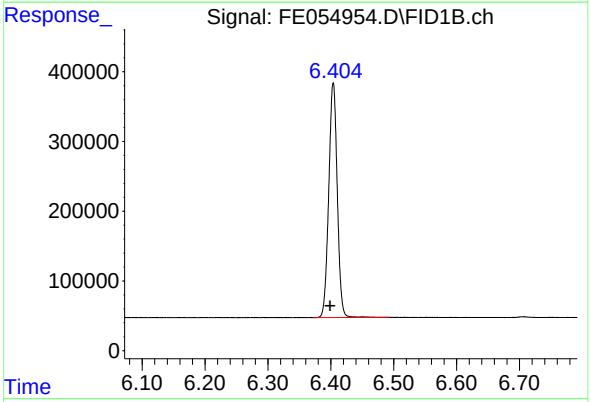
R.T.: 3.425 min
Delta R.T.: 0.002 min
Response: 2645570
Conc: 19.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



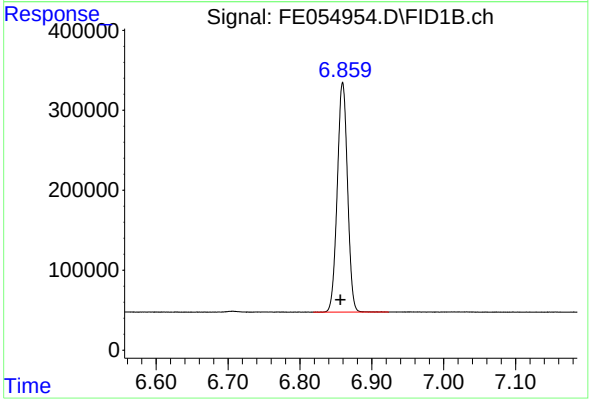
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 2761198
Conc: 20.24 ug/ml



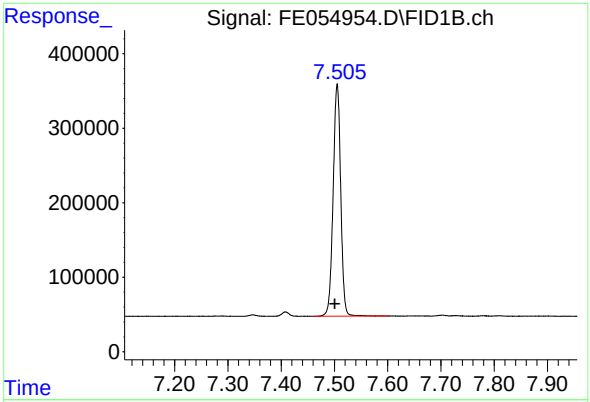
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 3166800
Conc: 20.91 ug/ml



#4 n-Dodecane (C12)

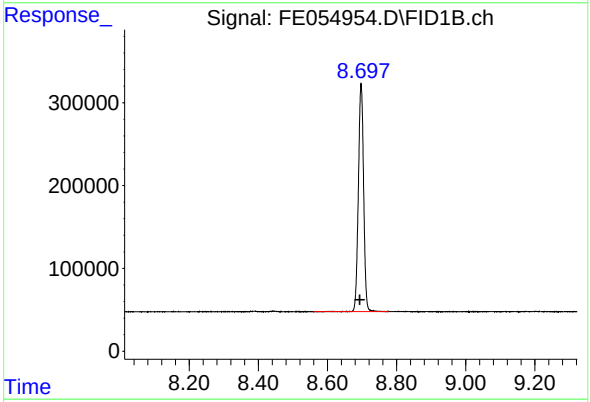
R.T.: 6.860 min
Delta R.T.: 0.003 min
Response: 2840493
Conc: 20.70 ug/ml



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

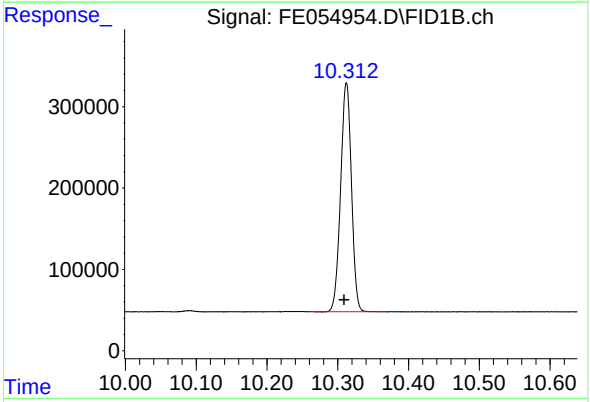
R.T.: 7.505 min
Delta R.T.: 0.005 min
Response: 3082626
Conc: 20.97 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



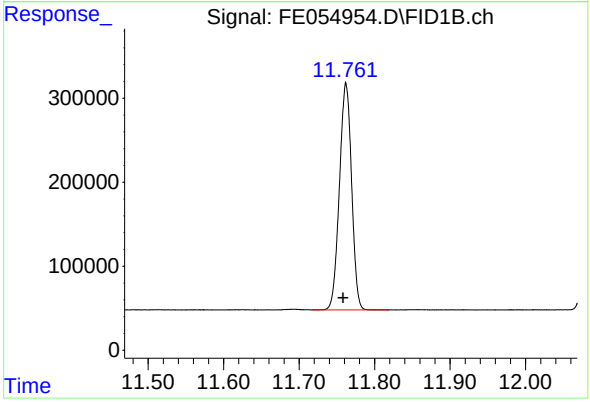
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 2895563
Conc: 20.89 ug/ml



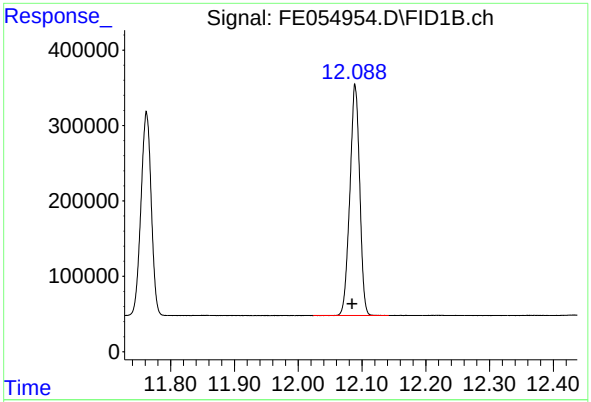
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.004 min
Response: 2995696
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

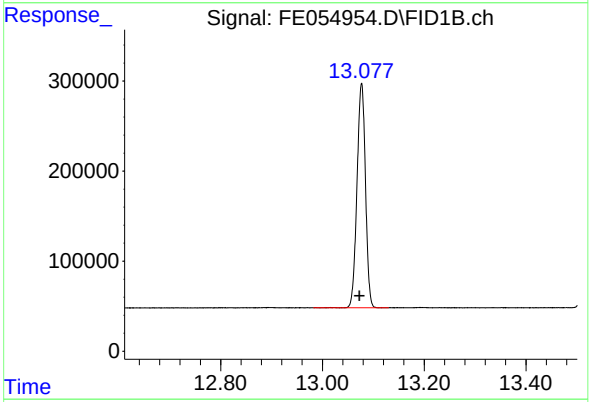
R.T.: 11.762 min
Delta R.T.: 0.004 min
Response: 3022744
Conc: 20.63 ug/ml



#9 ortho-Terphenyl (SURR)

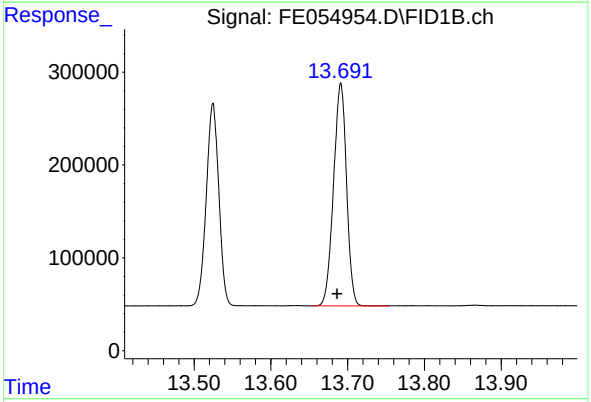
R.T.: 12.089 min
Delta R.T.: 0.005 min
Response: 3284545
Conc: 20.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



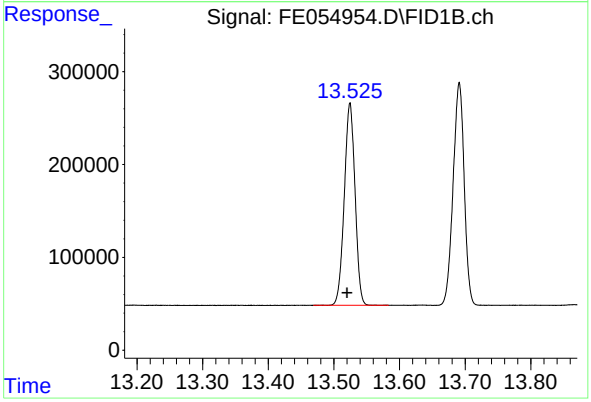
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.004 min
Response: 2880369
Conc: 20.03 ug/ml



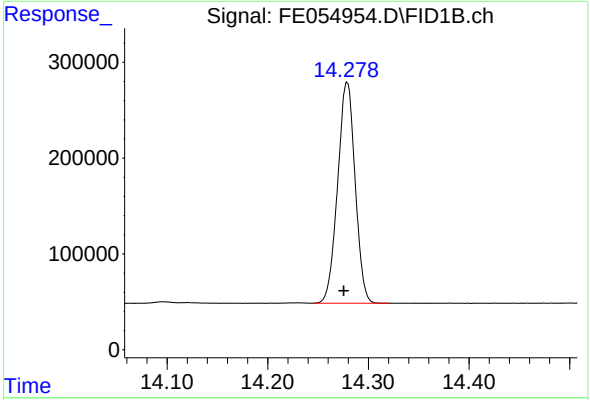
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.005 min
Response: 2818310
Conc: 19.73 ug/ml



#12 1-chlorooctadecane (SURR)

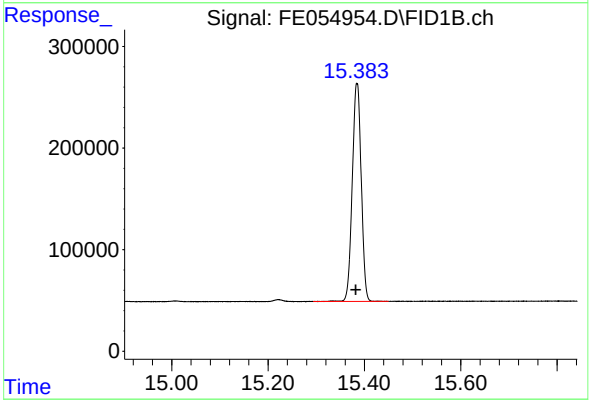
R.T.: 13.525 min
Delta R.T.: 0.004 min
Response: 2478684
Conc: 19.63 ug/ml



#13 n-Docosane (C22)

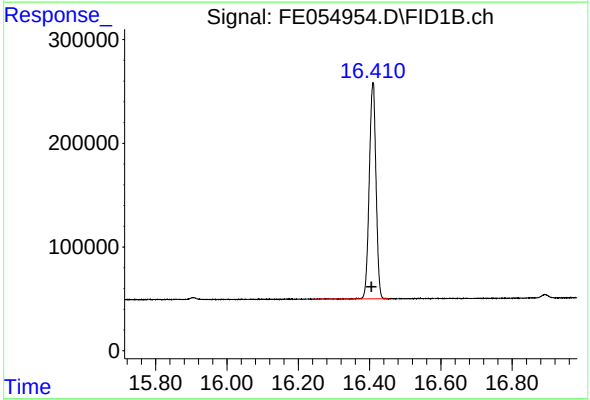
R.T.: 14.279 min
Delta R.T.: 0.003 min
Response: 2790412
Conc: 19.54 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



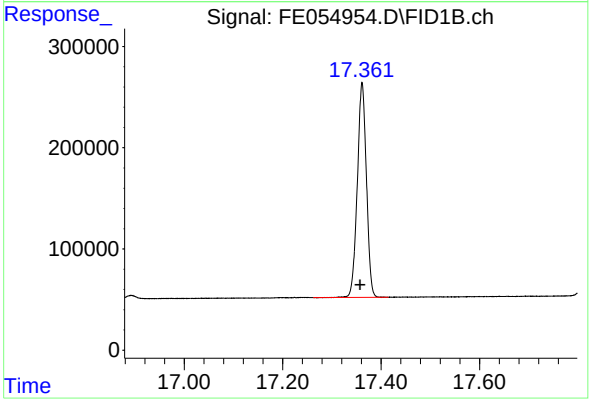
#14 n-Tetracosane (C24)

R.T.: 15.385 min
Delta R.T.: 0.002 min
Response: 2778542
Conc: 19.11 ug/ml



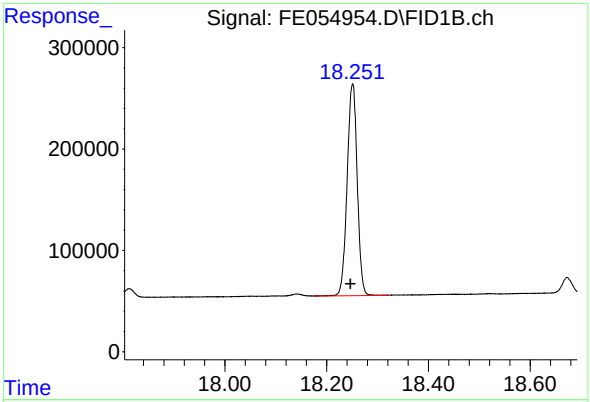
#15 n-Hexacosane (C26)

R.T.: 16.409 min
Delta R.T.: 0.004 min
Response: 2735894
Conc: 18.91 ug/ml



#16 n-Octacosane (C28)

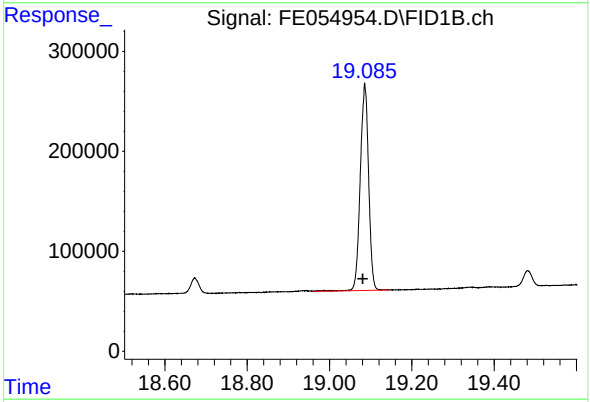
R.T.: 17.361 min
Delta R.T.: 0.004 min
Response: 2725730
Conc: 18.70 ug/ml



#17 n-Tricontane (C30)

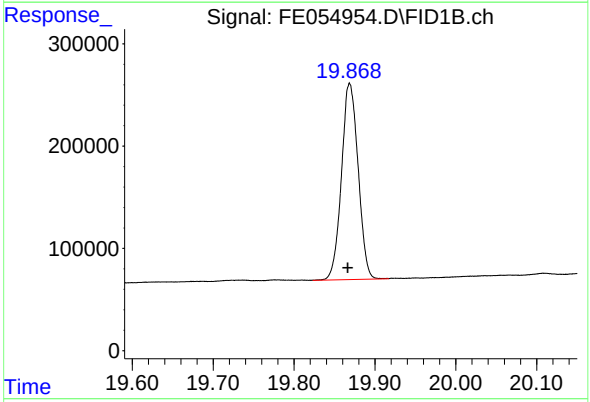
R.T.: 18.251 min
Delta R.T.: 0.004 min
Response: 2873806
Conc: 18.24 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



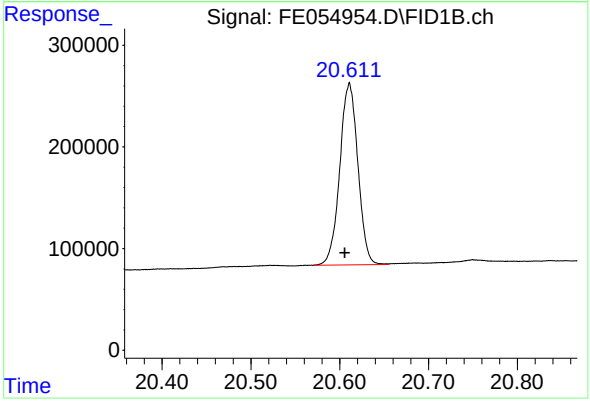
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.005 min
Response: 2905558
Conc: 17.96 ug/ml



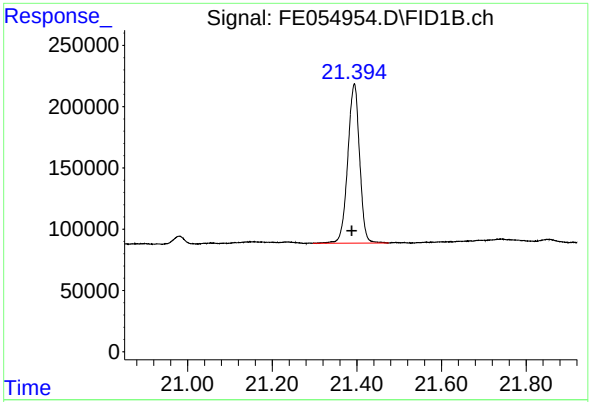
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.003 min
Response: 2743552
Conc: 18.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.611 min
Delta R.T.: 0.005 min
Response: 2533559
Conc: 18.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.394 min
Delta R.T.: 0.006 min
Response: 2524580
Conc: 21.53 ug/ml

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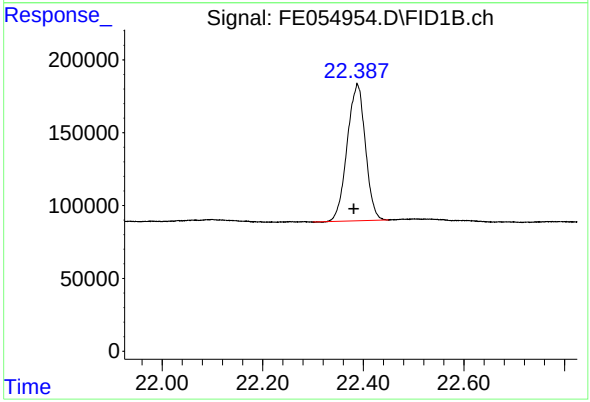
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 22.388 min
Delta R.T.: 0.008 min
Response: 2349451
Conc: 21.68 ug/ml