

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072524AL\
 Data File : FE049261.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2024 20:28
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2024
 Supervised By :Ankita Jodhani 07/26/2024

Integration File: sample.E
 Quant Time: Jul 26 01:42:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 2024
 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)	11.908	2814414	18.145 ug/ml
Spiked Amount 50.000		Recovery =	36.29%
12) S 1-chlorooctadecane (S...	13.344	2153353	18.431 ug/ml
Spiked Amount 50.000		Recovery =	36.86%
Target Compounds			
1) T n-Nonane (C9)	3.296	2662383	17.703 ug/ml
2) T n-Decane (C10)	4.546	2779198	17.994 ug/ml
3) T A~Naphthalene (C11.7)	6.253	2765011	17.747 ug/ml
4) T n-Dodecane (C12)	6.713	2769236	17.984 ug/ml
5) T A~2-methylnaphthalene...	7.348	2602621	17.884 ug/mlm
6) T n-Tetradecane (C14)	8.540	2730506	17.991 ug/ml
7) T n-Hexadecane (C16)	10.147	2767560	18.249 ug/ml
8) T n-Octadecane (C18)	11.590	2770782	18.249 ug/ml
10) T n-Eicosane (C20)	12.899	2642747	18.275 ug/ml
11) T n-Heneicosane (C21)	13.511	2594455	18.296 ug/ml
13) T n-Docosane (C22)	14.096	2583807	18.391 ug/ml
14) T n-Tetracosane (C24)	15.198	2597636	18.534 ug/ml
15) T n-Hexacosane (C26)	16.218	2634601	18.789 ug/ml
16) T n-Octacosane (C28)	17.168	2740690	19.581 ug/ml
17) T n-Tricontane (C30)	18.055	3034996	20.806 ug/ml
18) T n-Dotriacontane (C32)	18.887	3190869	21.701 ug/ml
19) T n-Tetratriacontane (C34)	19.669	3149479	21.562 ug/mlm
20) T n-Hexatriacontane (C36)	20.409	3139083	21.775 ug/mlm
21) T n-Octatriacontane (C38)	21.141	3245749	21.683 ug/mlm
22) T n-Tetracontane (C40)	22.045	3126371	20.717 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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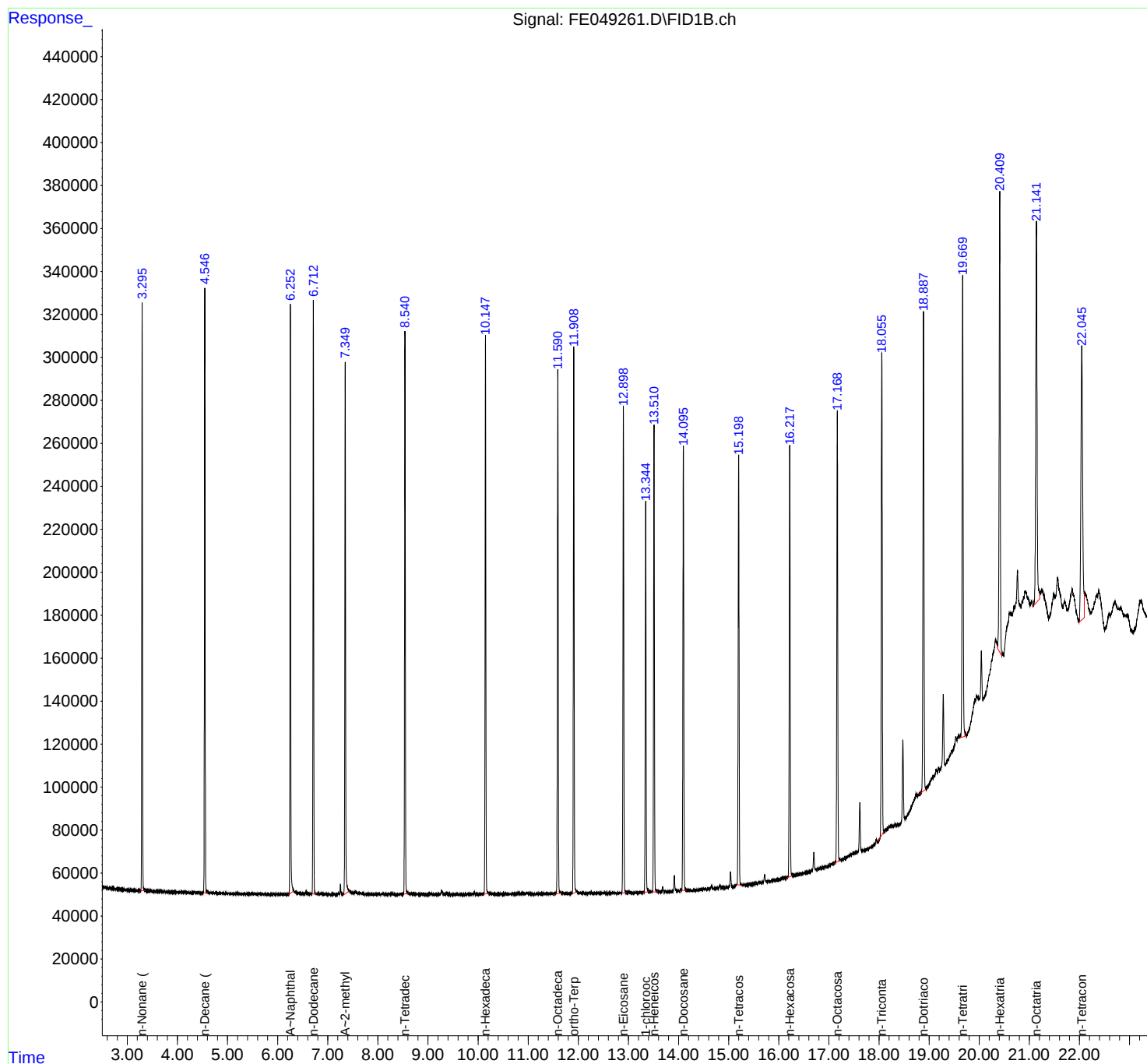
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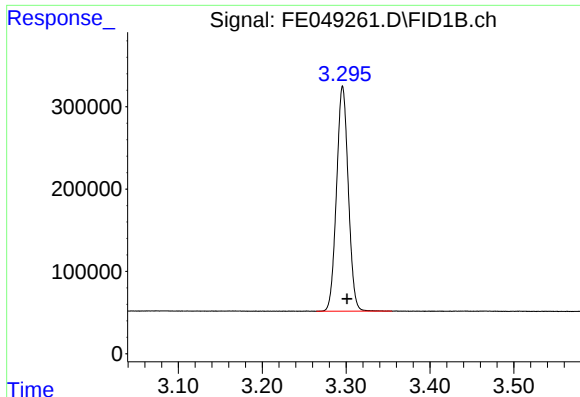
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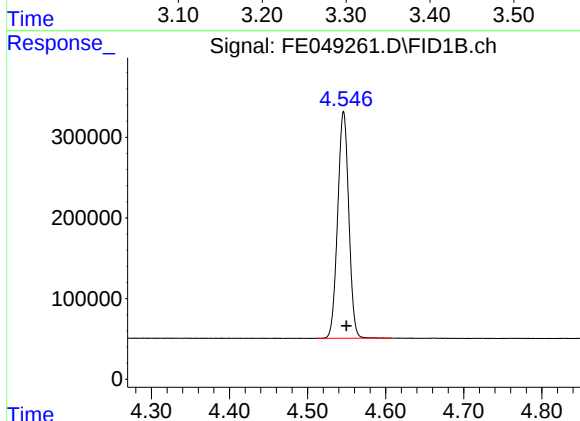
#1 n-Nonane (C9)

R.T.: 3.296 min
Delta R.T.: -0.005 min
Response: 2662383
Conc: 17.70 ug/ml

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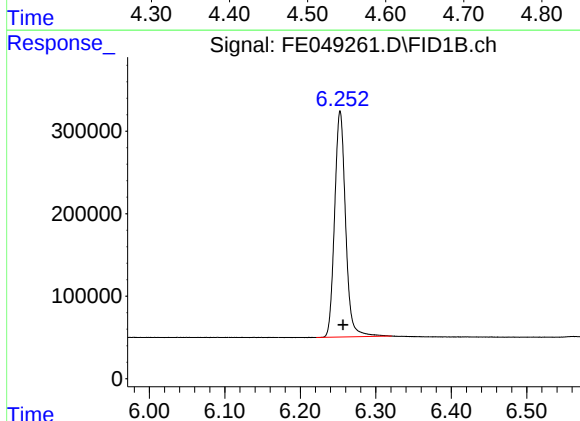
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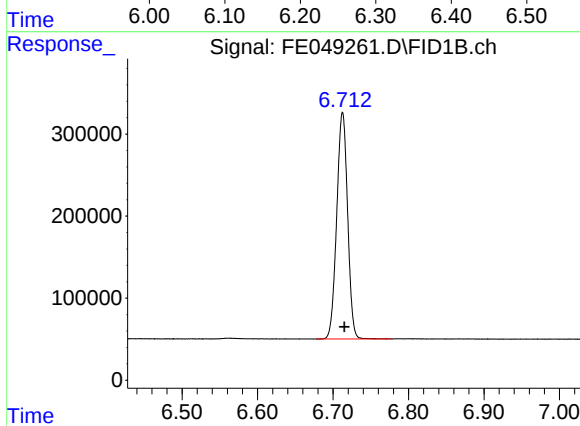
#2 n-Decane (C10)

R.T.: 4.546 min
Delta R.T.: -0.004 min
Response: 2779198
Conc: 17.99 ug/ml



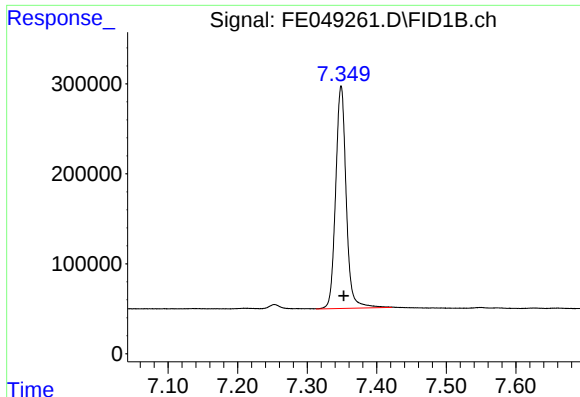
#3 A~Naphthalene (C11.7)

R.T.: 6.253 min
Delta R.T.: -0.004 min
Response: 2765011
Conc: 17.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.713 min
Delta R.T.: -0.003 min
Response: 2769236
Conc: 17.98 ug/ml



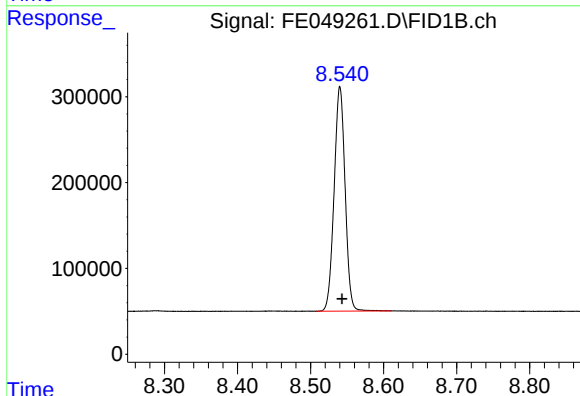
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.348 min
Delta R.T.: -0.004 min
Response: 2602621
Conc: 17.88 ug/ml

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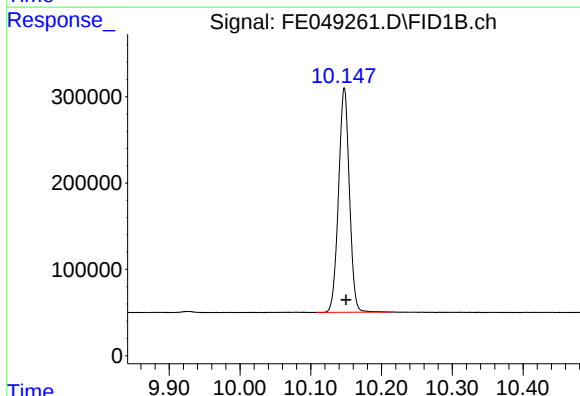
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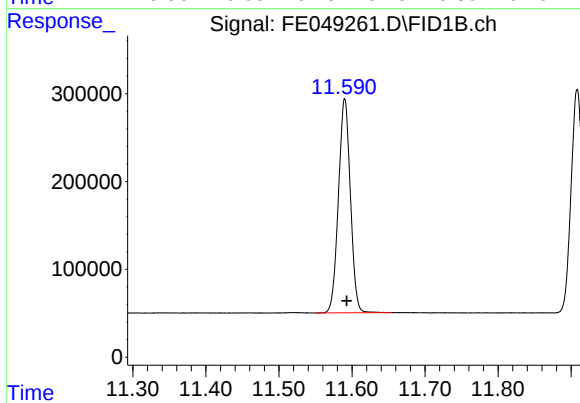
#6 n-Tetradecane (C14)

R.T.: 8.540 min
Delta R.T.: -0.003 min
Response: 2730506
Conc: 17.99 ug/ml



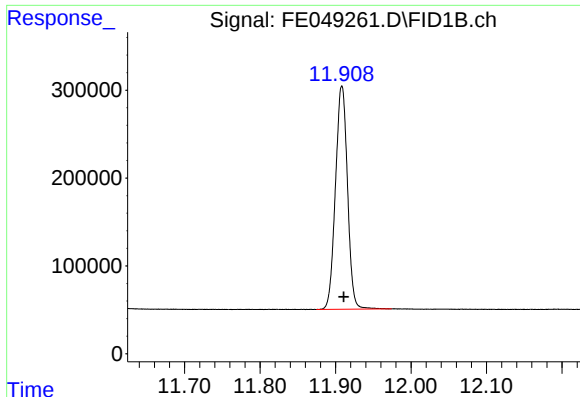
#7 n-Hexadecane (C16)

R.T.: 10.147 min
Delta R.T.: -0.002 min
Response: 2767560
Conc: 18.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.590 min
Delta R.T.: -0.003 min
Response: 2770782
Conc: 18.25 ug/ml



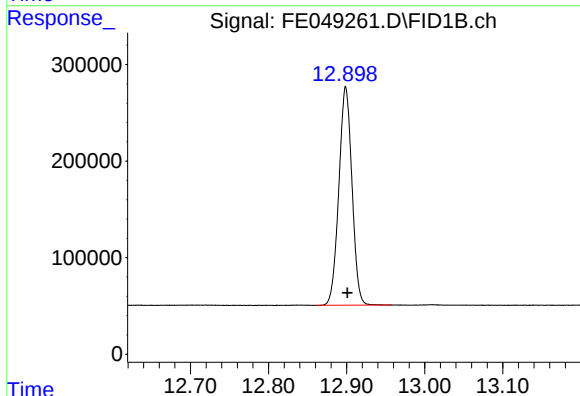
#9 ortho-Terphenyl (SURR)

R.T.: 11.908 min
Delta R.T.: -0.002 min
Response: 2814414
Conc: 18.15 ug/ml

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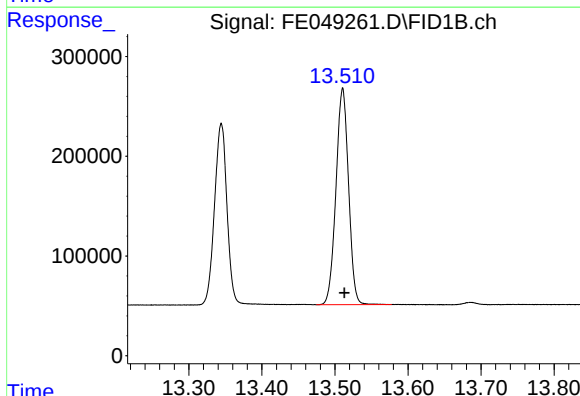
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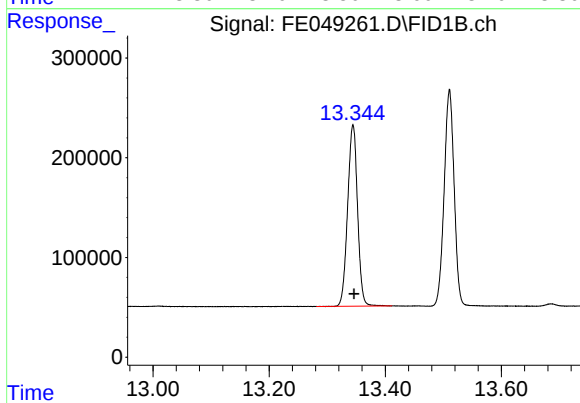
#10 n-Eicosane (C20)

R.T.: 12.899 min
Delta R.T.: -0.002 min
Response: 2642747
Conc: 18.28 ug/ml



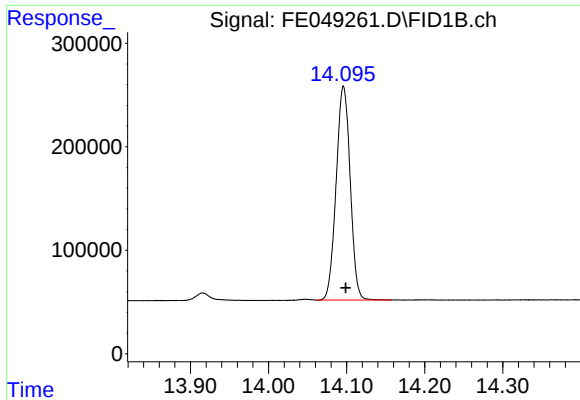
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.003 min
Response: 2594455
Conc: 18.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: -0.002 min
Response: 2153353
Conc: 18.43 ug/ml



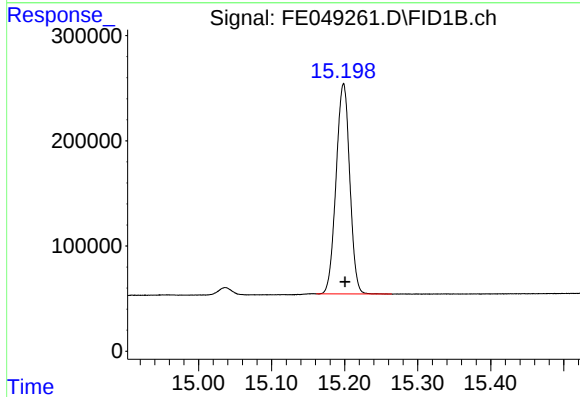
#13 n-Docosane (C22)

R.T.: 14.096 min
Delta R.T.: -0.003 min
Response: 2583807
Conc: 18.39 ug/ml

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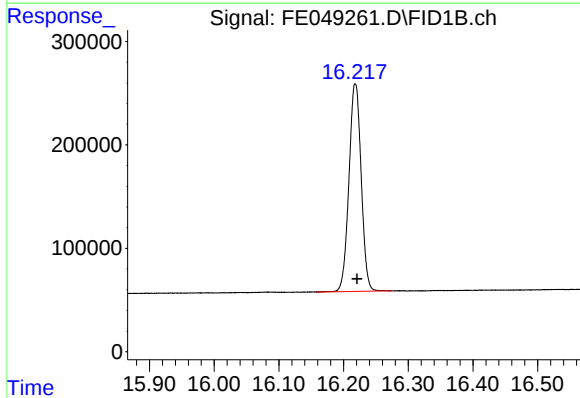
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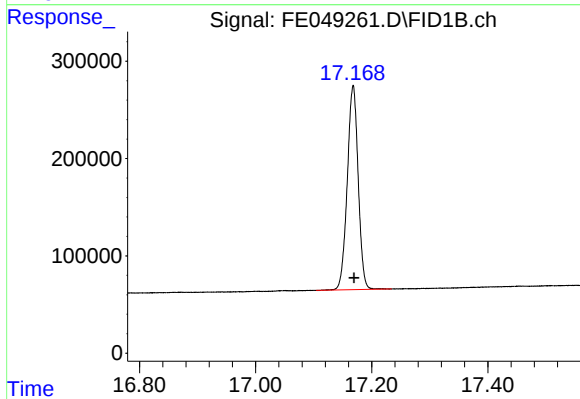
#14 n-Tetracosane (C24)

R.T.: 15.198 min
Delta R.T.: -0.002 min
Response: 2597636
Conc: 18.53 ug/ml



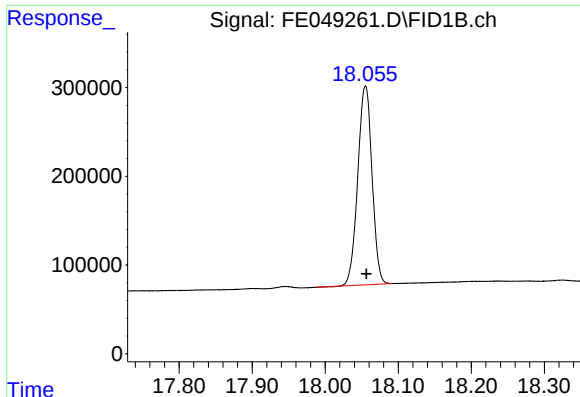
#15 n-Hexacosane (C26)

R.T.: 16.218 min
Delta R.T.: -0.003 min
Response: 2634601
Conc: 18.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.168 min
Delta R.T.: -0.002 min
Response: 2740690
Conc: 19.58 ug/ml



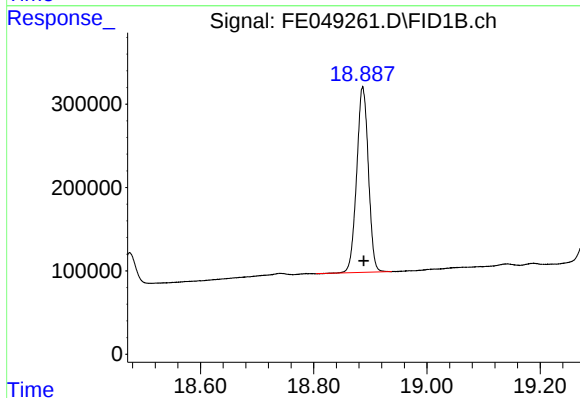
#17 n-Tricontane (C30)

R.T.: 18.055 min
Delta R.T.: -0.002 min
Response: 3034996
Conc: 20.81 ug/ml

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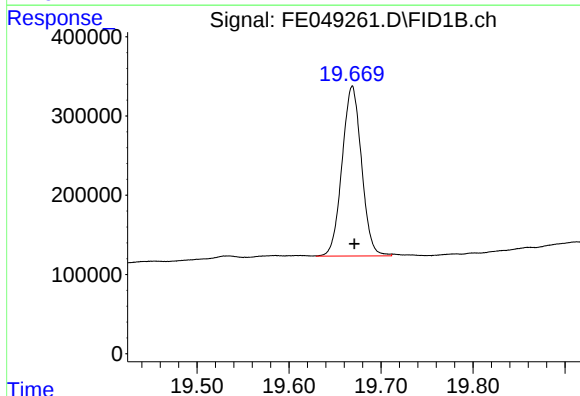
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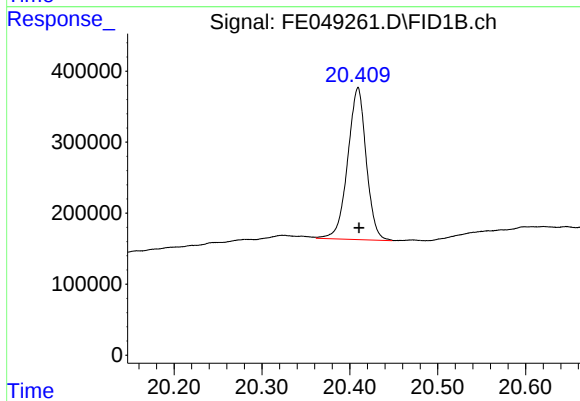
#18 n-Dotriacontane (C32)

R.T.: 18.887 min
Delta R.T.: -0.001 min
Response: 3190869
Conc: 21.70 ug/ml



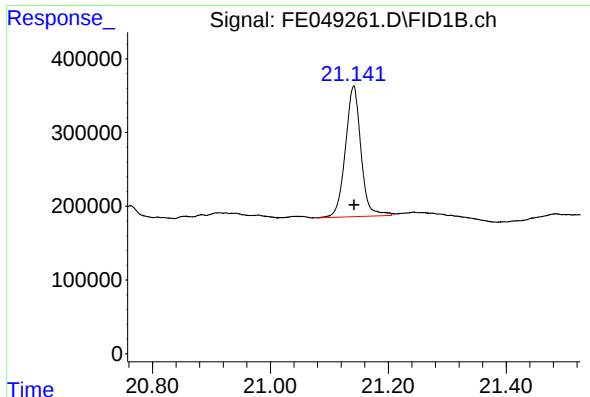
#19 n-Tetratriacontane (C34)

R.T.: 19.669 min
Delta R.T.: -0.002 min
Response: 3149479
Conc: 21.56 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.409 min
Delta R.T.: -0.001 min
Response: 3139083
Conc: 21.78 ug/ml m



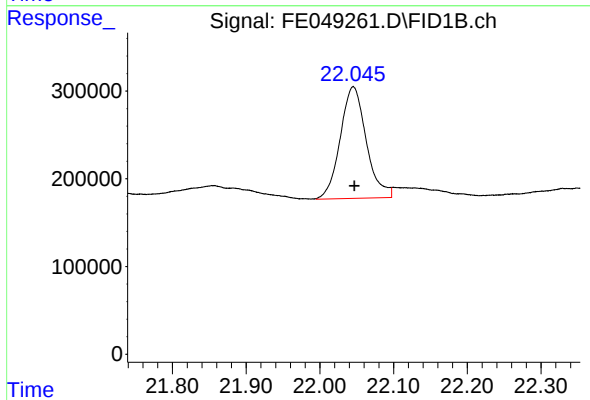
#21 n-Octatriacontane (C38)

R.T.: 21.141 min
Delta R.T.: 0.000 min
Response: 3245749
Conc: 21.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.045 min
Delta R.T.: -0.002 min
Response: 3126371
Conc: 20.72 ug/ml m