

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042924AL\
 Data File : FE047850.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2024 09:09
 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 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: Apr 30 01:48:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.974	2948872	20.441 ug/ml
Spiked Amount 50.000		Recovery =	40.88%
12) S 1-chlorooctadecane (S...	13.408	2259478	20.221 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
Target Compounds			
1) T n-Nonane (C9)	3.353	2677000	20.771 ug/ml
2) T n-Decane (C10)	4.606	2720463	20.664 ug/ml
3) T A~Naphthalene (C11.7)	6.315	2874711	20.819 ug/ml
4) T n-Dodecane (C12)	6.773	2732642	20.498 ug/ml
5) T A~2-methylnaphthalene...	7.411	2758573	20.729 ug/ml
6) T n-Tetradecane (C14)	8.601	2702133	20.390 ug/ml
7) T n-Hexadecane (C16)	10.209	2798507	20.348 ug/ml
8) T n-Octadecane (C18)	11.653	2833564	20.342 ug/ml
10) T n-Eicosane (C20)	12.962	2730918	20.283 ug/ml
11) T n-Heneicosane (C21)	13.573	2682101	20.261 ug/ml
13) T n-Docosane (C22)	14.161	2668864	20.139 ug/ml
14) T n-Tetracosane (C24)	15.263	2663942	20.007 ug/ml
15) T n-Hexacosane (C26)	16.283	2631081	19.717 ug/ml
16) T n-Octacosane (C28)	17.231	2587822	19.436 ug/ml
17) T n-Tricontane (C30)	18.117	2638205	19.116 ug/ml
18) T n-Dotriacontane (C32)	18.950	2629664	19.038 ug/ml
19) T n-Tetratriacontane (C34)	19.732	2656746	19.503 ug/ml
20) T n-Hexatriacontane (C36)	20.473	2780622	20.536 ug/ml
21) T n-Octatriacontane (C38)	21.214	2792951	20.229 ug/mlm
22) T n-Tetracontane (C40)	22.141	2580294	18.520 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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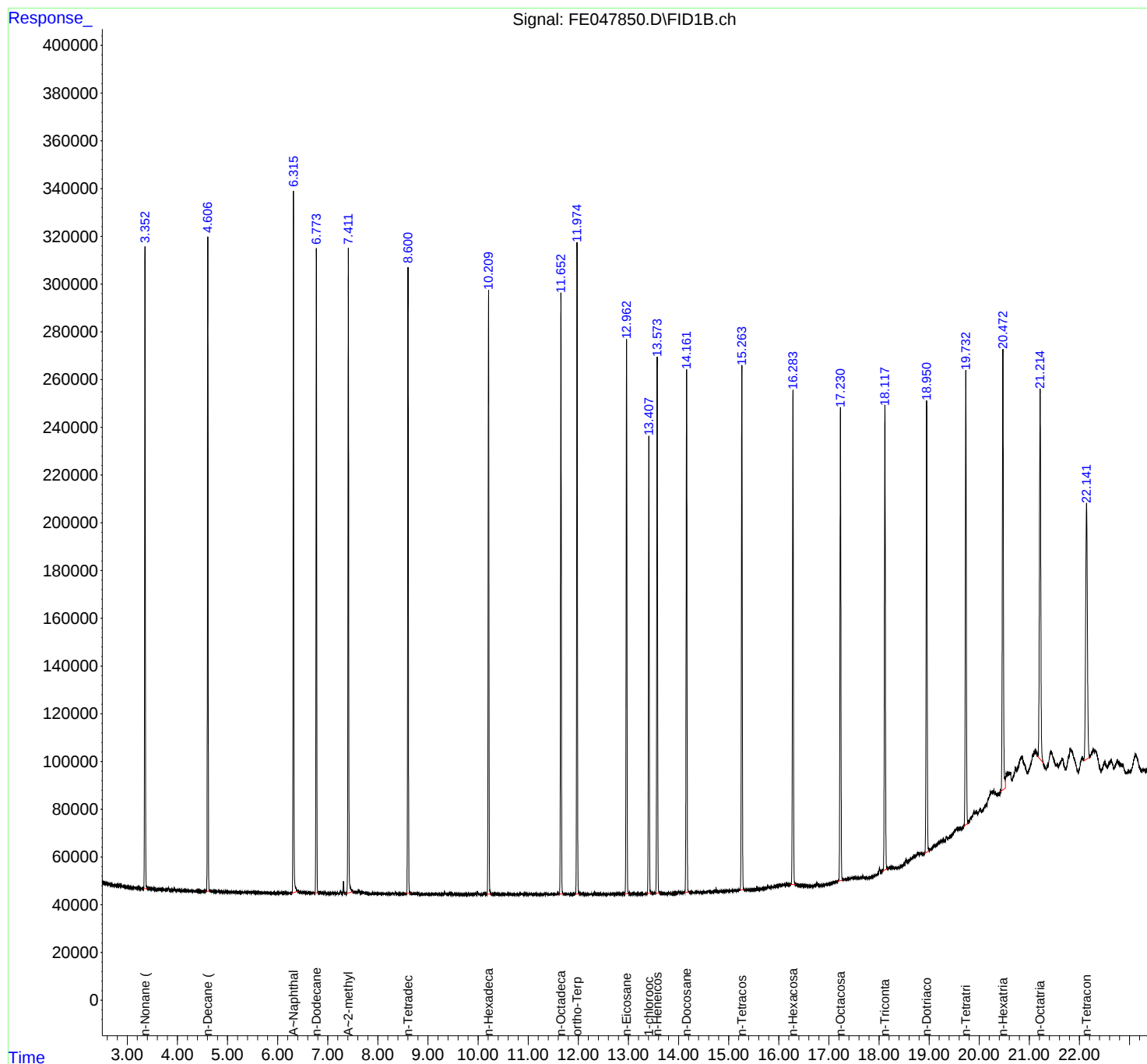
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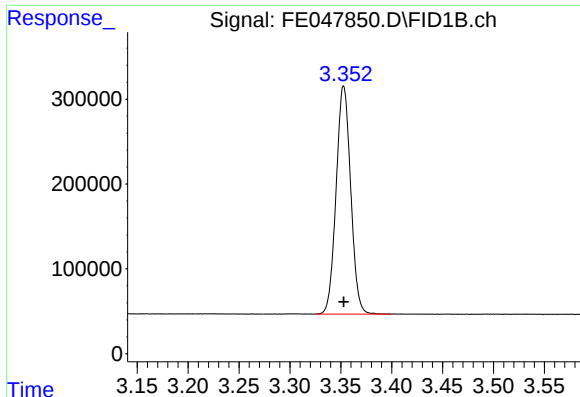
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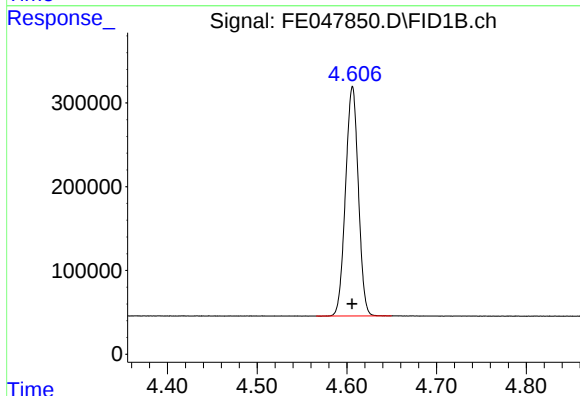
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: 0.000 min
Response: 2677000
Conc: 20.77 ug/ml

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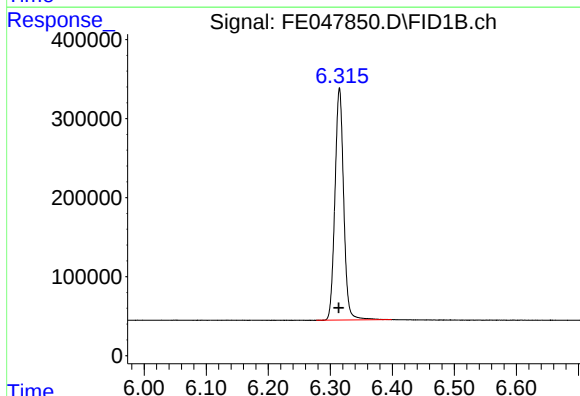
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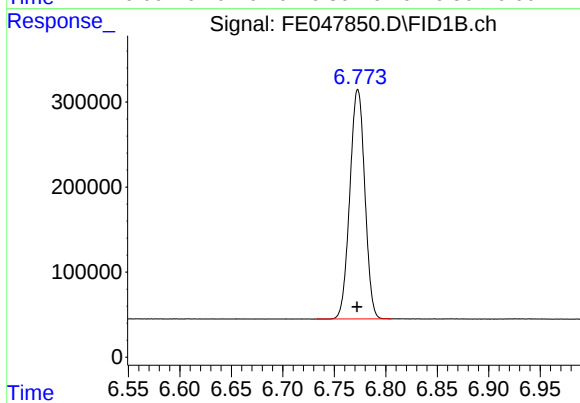
#2 n-Decane (C10)

R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 2720463
Conc: 20.66 ug/ml



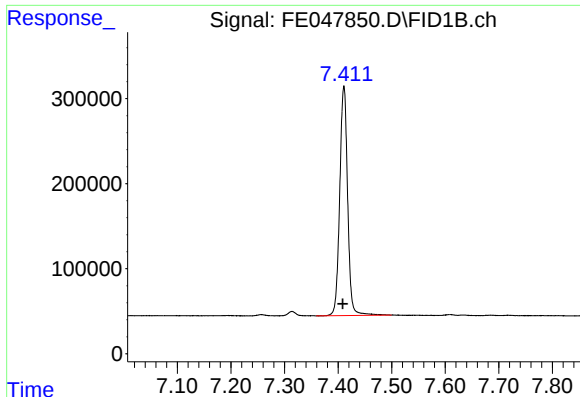
#3 A~Naphthalene (C11.7)

R.T.: 6.315 min
Delta R.T.: 0.001 min
Response: 2874711
Conc: 20.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.773 min
Delta R.T.: 0.001 min
Response: 2732642
Conc: 20.50 ug/ml



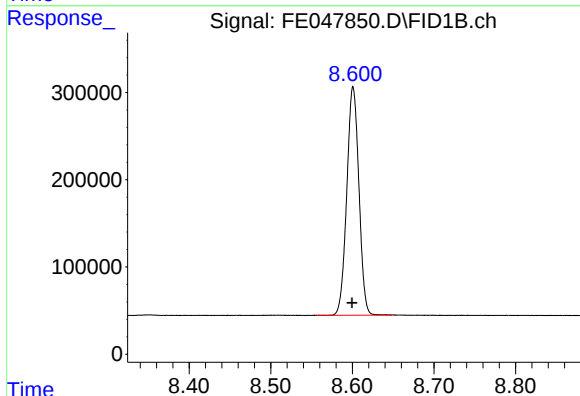
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.411 min
Delta R.T.: 0.002 min
Response: 2758573
Conc: 20.73 ug/ml

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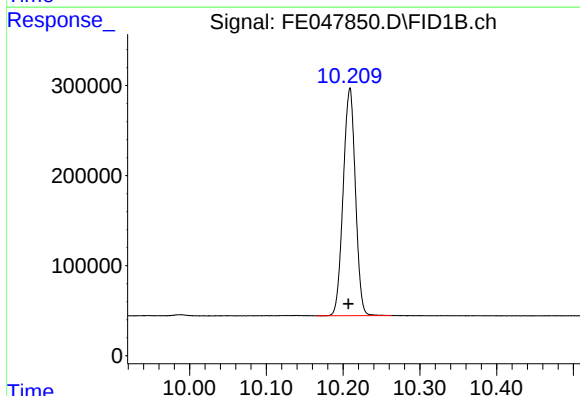
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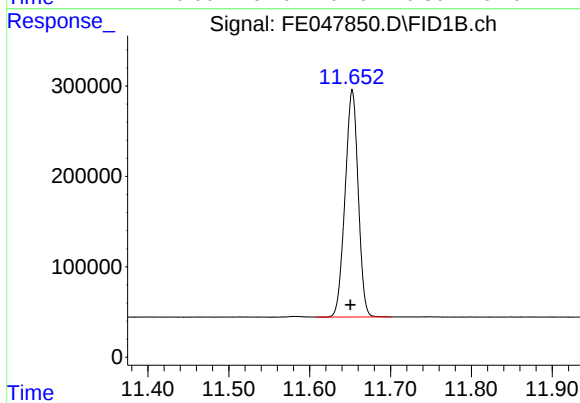
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.001 min
Response: 2702133
Conc: 20.39 ug/ml



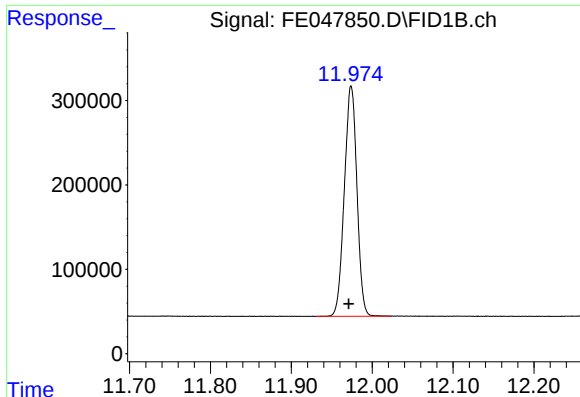
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: 0.002 min
Response: 2798507
Conc: 20.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.002 min
Response: 2833564
Conc: 20.34 ug/ml



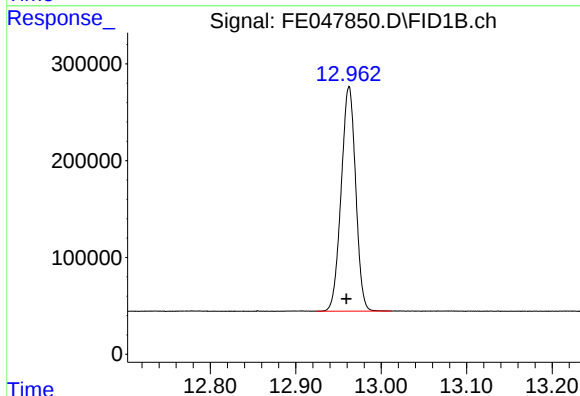
#9 ortho-Terphenyl (SURR)

R.T.: 11.974 min
Delta R.T.: 0.003 min
Response: 2948872
Conc: 20.44 ug/ml

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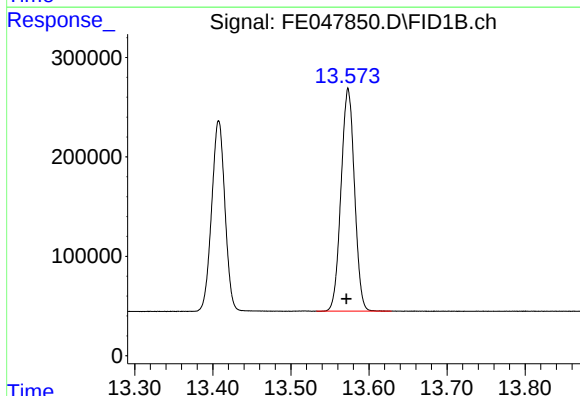
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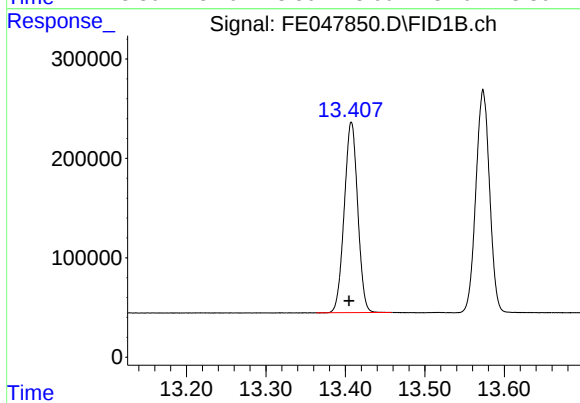
#10 n-Eicosane (C20)

R.T.: 12.962 min
Delta R.T.: 0.003 min
Response: 2730918
Conc: 20.28 ug/ml



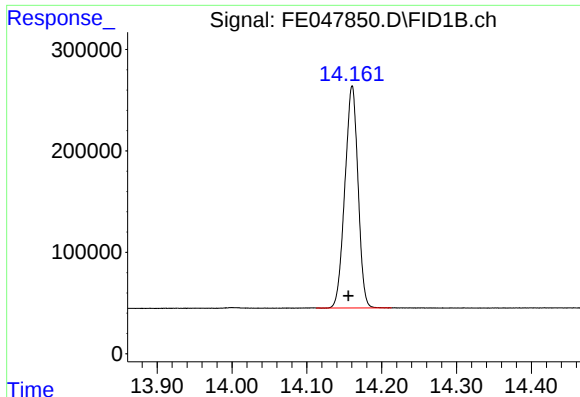
#11 n-Heneicosane (C21)

R.T.: 13.573 min
Delta R.T.: 0.002 min
Response: 2682101
Conc: 20.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.003 min
Response: 2259478
Conc: 20.22 ug/ml



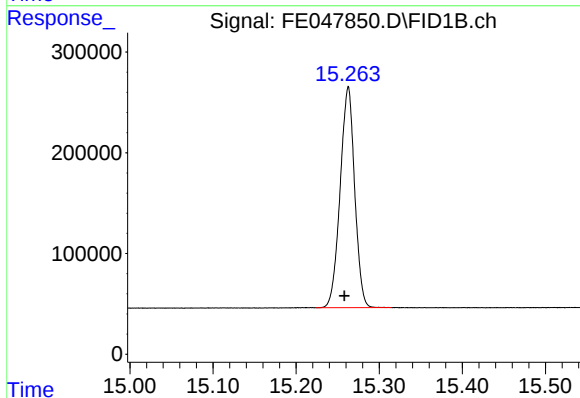
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: 0.005 min
Response: 2668864
Conc: 20.14 ug/ml

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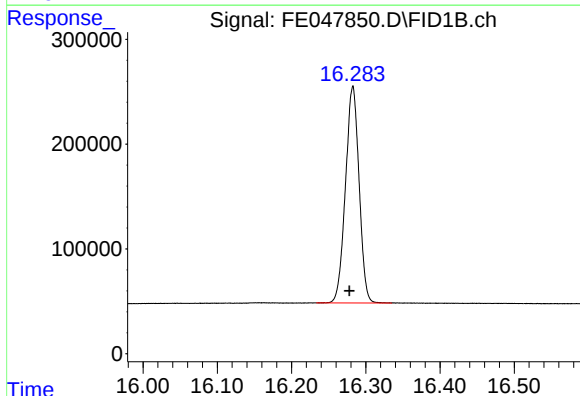
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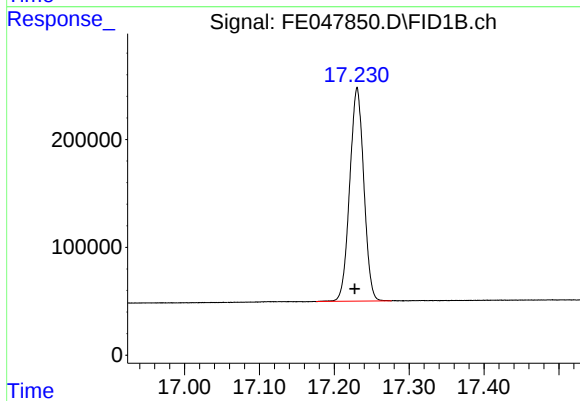
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: 0.005 min
Response: 2663942
Conc: 20.01 ug/ml



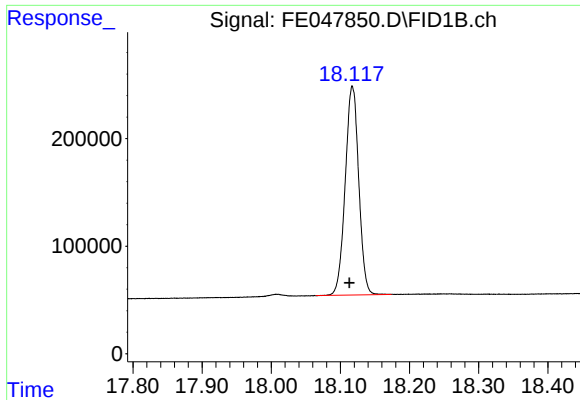
#15 n-Hexacosane (C26)

R.T.: 16.283 min
Delta R.T.: 0.005 min
Response: 2631081
Conc: 19.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.231 min
Delta R.T.: 0.003 min
Response: 2587822
Conc: 19.44 ug/ml



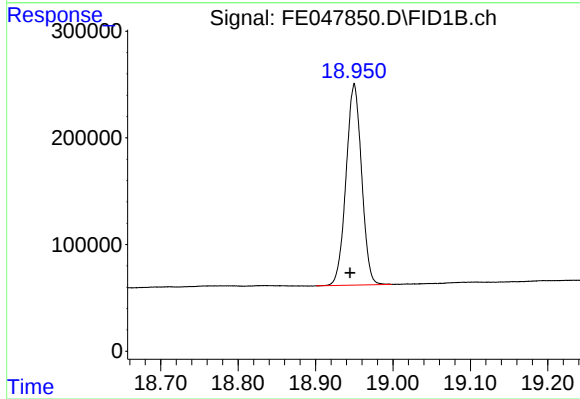
#17 n-Tricontane (C30)

R.T.: 18.117 min
Delta R.T.: 0.004 min
Response: 2638205
Conc: 19.12 ug/ml

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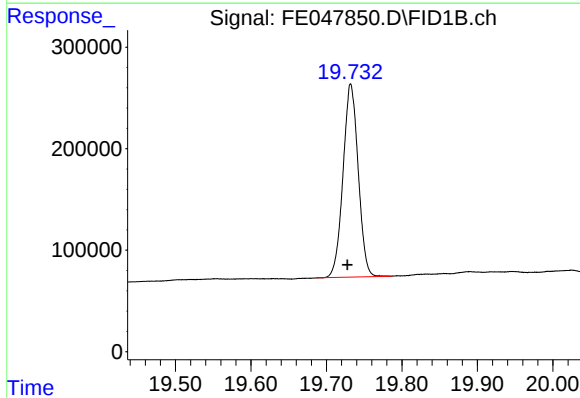
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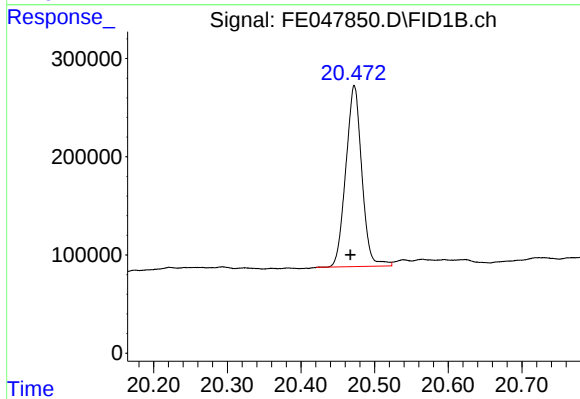
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.005 min
Response: 2629664
Conc: 19.04 ug/ml



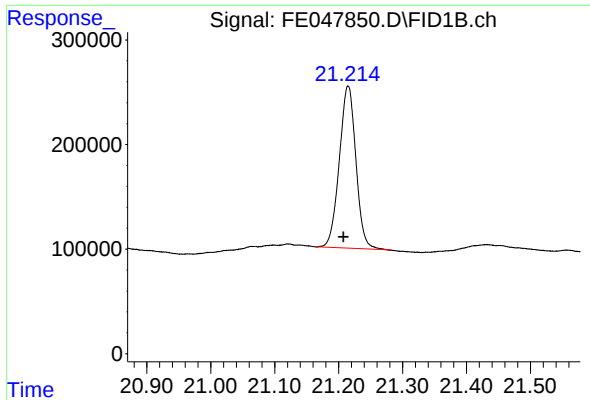
#19 n-Tetratriacontane (C34)

R.T.: 19.732 min
Delta R.T.: 0.004 min
Response: 2656746
Conc: 19.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.473 min
Delta R.T.: 0.005 min
Response: 2780622
Conc: 20.54 ug/ml



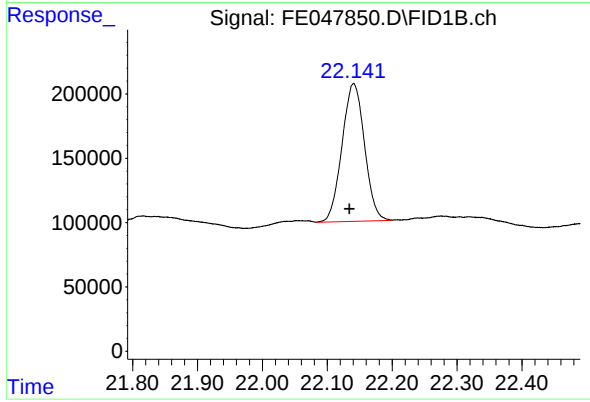
#21 n-Octatriacontane (C38)

R.T.: 21.214 min
Delta R.T.: 0.007 min
Response: 2792951
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.141 min
Delta R.T.: 0.007 min
Response: 2580294
Conc: 18.52 ug/ml m