

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
 Data File : FE050935.D
 Signal(s) : FID1B.ch
 Acq On : 31 Oct 2024 10:31
 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 11/01/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 14:40:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.853	2891810	18.343 ug/mlm
Spiked Amount 50.000		Recovery =	36.69%
12) S 1-chlorooctadecane (S...	13.288	2211725	18.697 ug/ml
Spiked Amount 50.000		Recovery =	37.39%
Target Compounds			
1) T n-Nonane (C9)	3.244	2546000	18.020 ug/ml
2) T n-Decane (C10)	4.494	2647420	18.452 ug/ml
3) T A~Naphthalene (C11.7)	6.206	2522710	17.643 ug/ml
4) T n-Dodecane (C12)	6.661	2664689	18.513 ug/ml
5) T A~2-methylnaphthalene...	7.302	2324418	17.545 ug/ml
6) T n-Tetradecane (C14)	8.488	2642166	18.468 ug/ml
7) T n-Hexadecane (C16)	10.093	2738406	18.607 ug/ml
8) T n-Octadecane (C18)	11.534	2770990	18.551 ug/ml
10) T n-Eicosane (C20)	12.841	2662077	18.564 ug/ml
11) T n-Heneicosane (C21)	13.452	2604584	18.547 ug/ml
13) T n-Docosane (C22)	14.037	2627198	18.726 ug/ml
14) T n-Tetracosane (C24)	15.138	2626325	18.590 ug/mlm
15) T n-Hexacosane (C26)	16.158	2679626	19.043 ug/mlm
16) T n-Octacosane (C28)	17.108	2859507	19.541 ug/ml
17) T n-Tricontane (C30)	17.994	3273920	20.590 ug/ml
18) T n-Dotriacontane (C32)	18.825	3441289	21.228 ug/ml
19) T n-Tetratriacontane (C34)	19.608	3076436	20.944 ug/ml
20) T n-Hexatriacontane (C36)	20.348	2569621	20.263 ug/mlm
21) T n-Octatriacontane (C38)	21.070	2261967	18.294 ug/ml
22) T n-Tetracontane (C40)	21.954	1921047	17.252 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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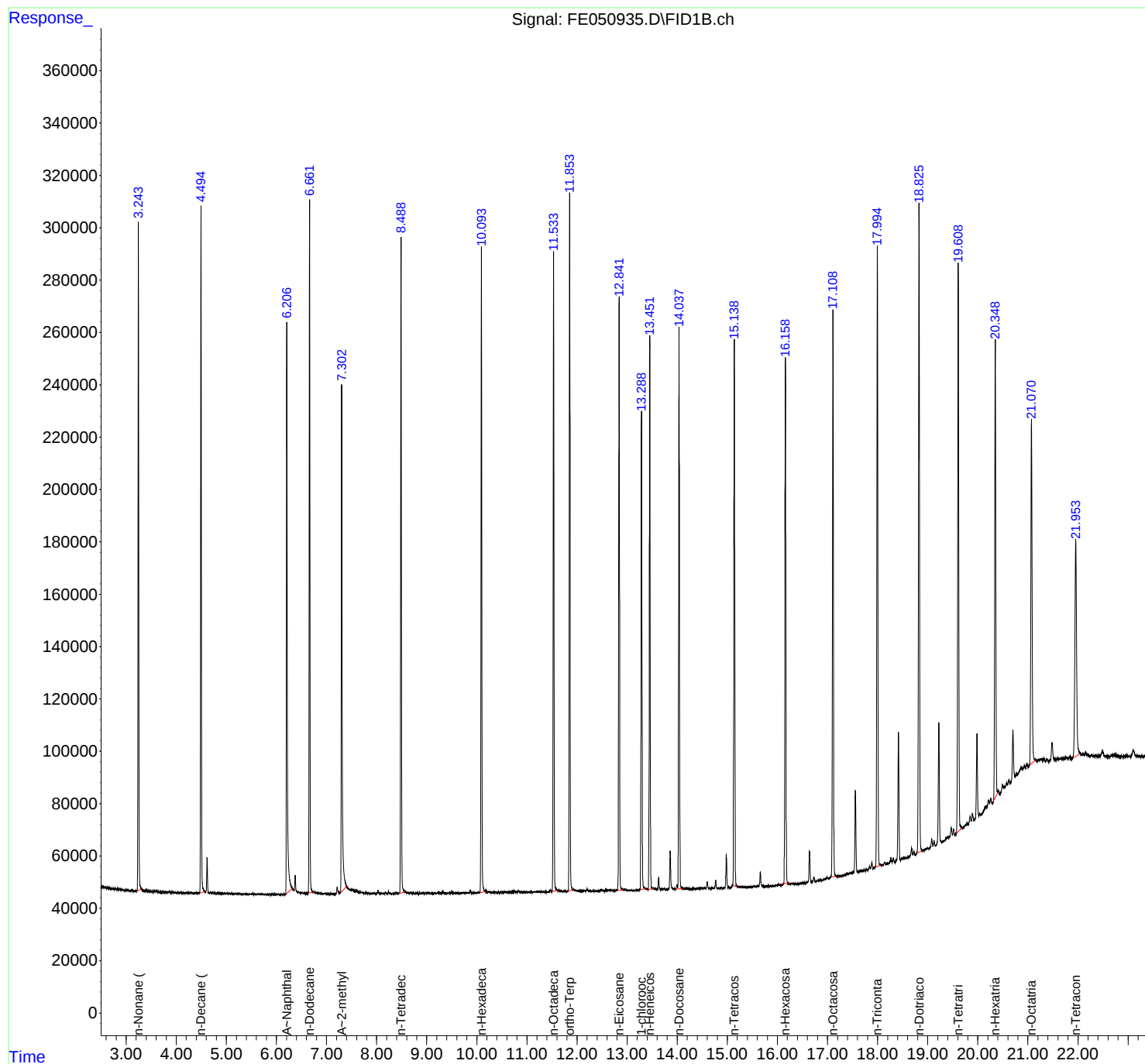
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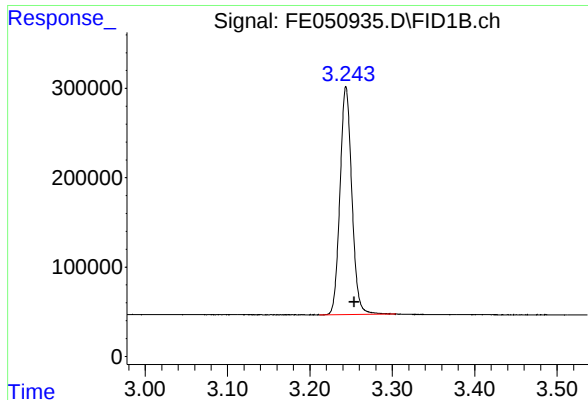
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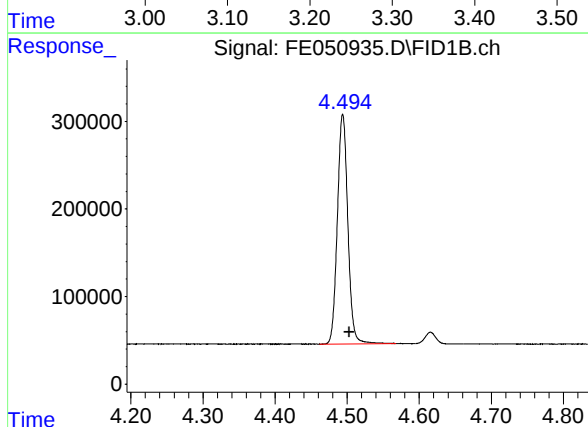
#1 n-Nonane (C9)

R.T.: 3.244 min
Delta R.T.: -0.010 min
Response: 2546000
Conc: 18.02 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

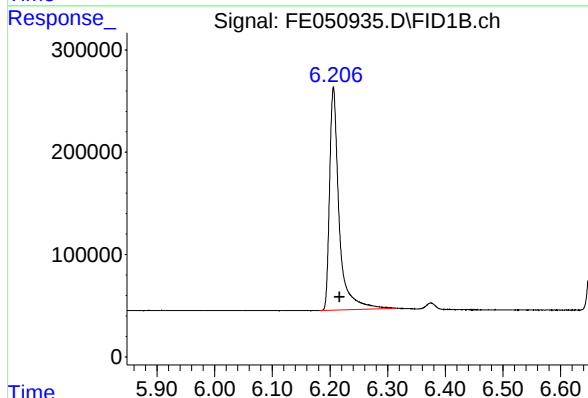
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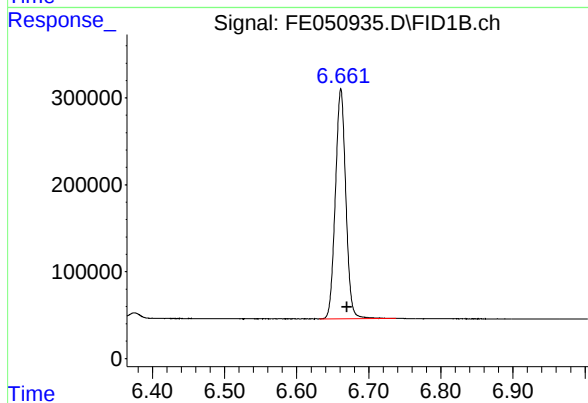
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.009 min
Response: 2647420
Conc: 18.45 ug/ml



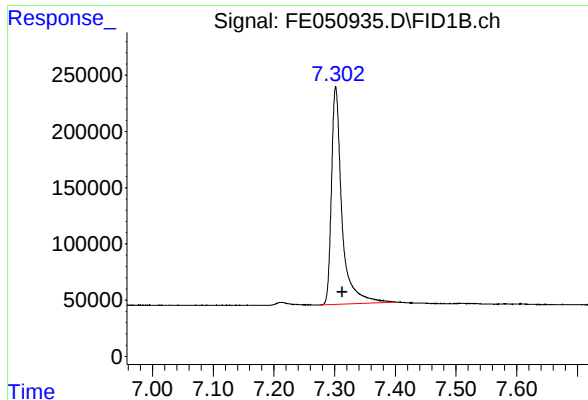
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.010 min
Response: 2522710
Conc: 17.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.009 min
Response: 2664689
Conc: 18.51 ug/ml



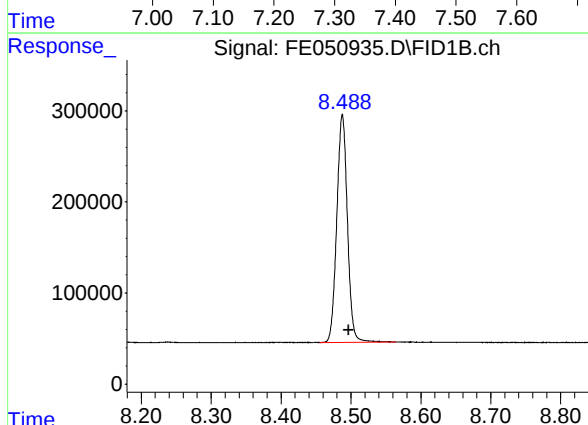
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.302 min
Delta R.T.: -0.011 min
Response: 2324418
Conc: 17.55 ug/ml

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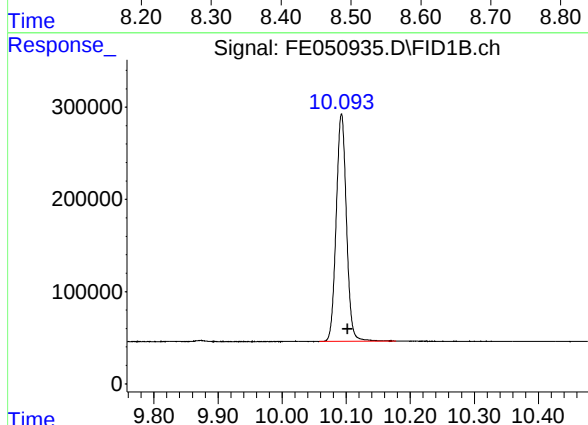
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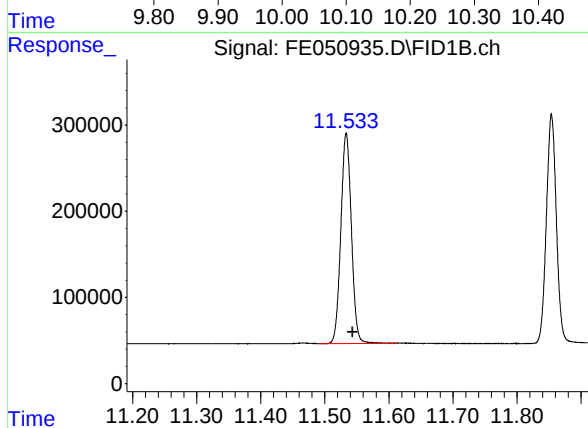
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.009 min
Response: 2642166
Conc: 18.47 ug/ml



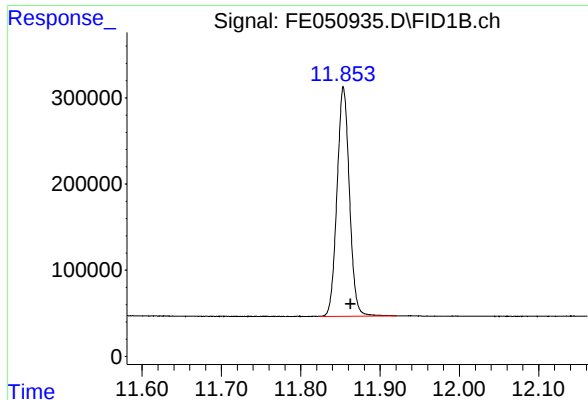
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.009 min
Response: 2738406
Conc: 18.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min
Delta R.T.: -0.010 min
Response: 2770990
Conc: 18.55 ug/ml



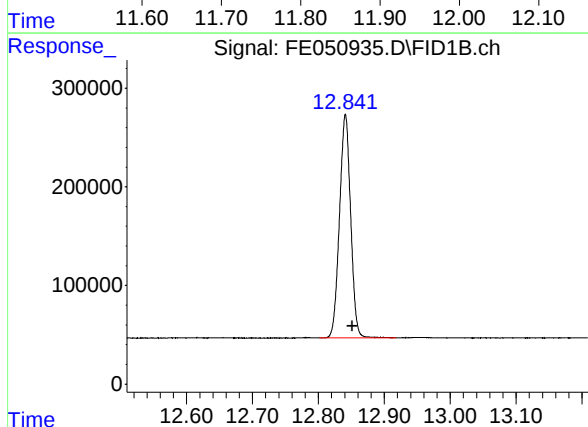
#9 ortho-Terphenyl (SURR)

R.T.: 11.853 min
Delta R.T.: -0.010 min
Response: 2891810
Conc: 18.34 ug/ml

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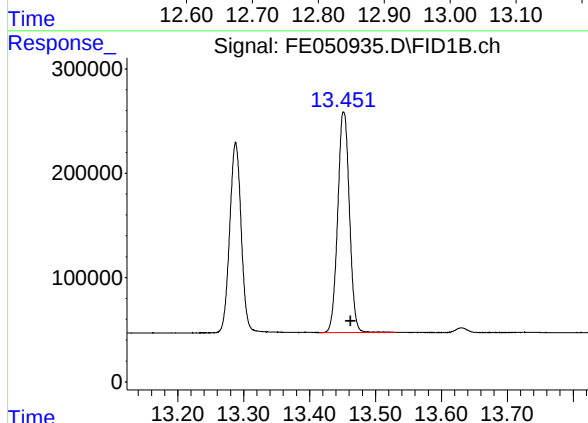
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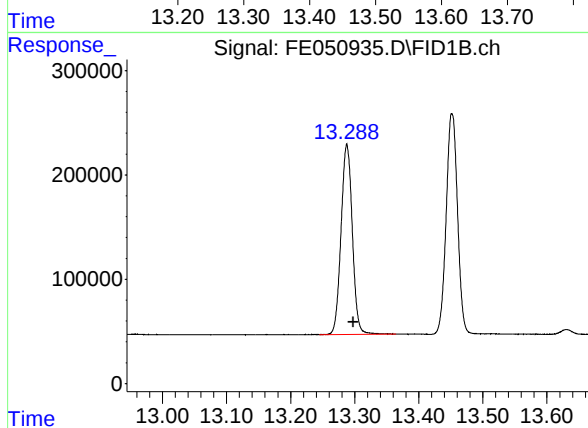
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.011 min
Response: 2662077
Conc: 18.56 ug/ml



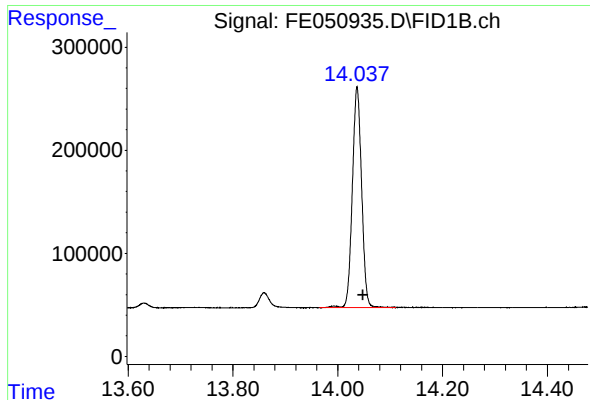
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.011 min
Response: 2604584
Conc: 18.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.010 min
Response: 2211725
Conc: 18.70 ug/ml



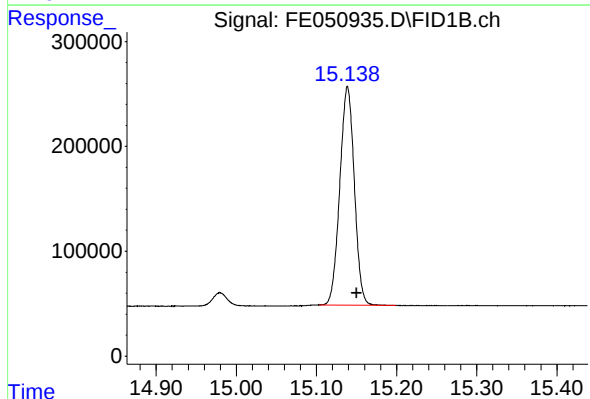
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.011 min
Response: 2627198
Conc: 18.73 ug/ml

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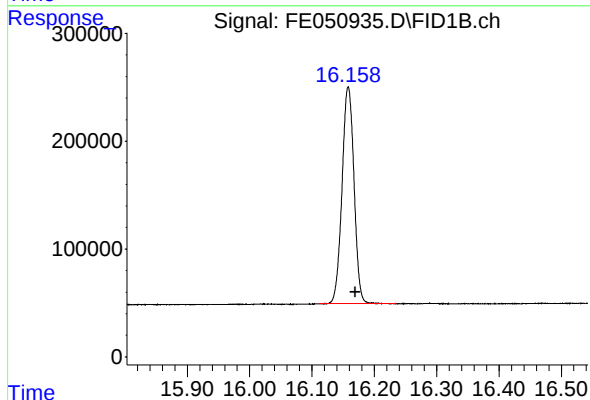
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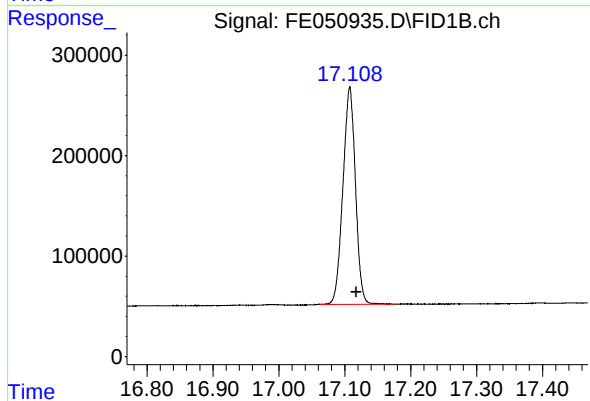
#14 n-Tetracosane (C24)

R.T.: 15.138 min
Delta R.T.: -0.012 min
Response: 2626325
Conc: 18.59 ug/ml m



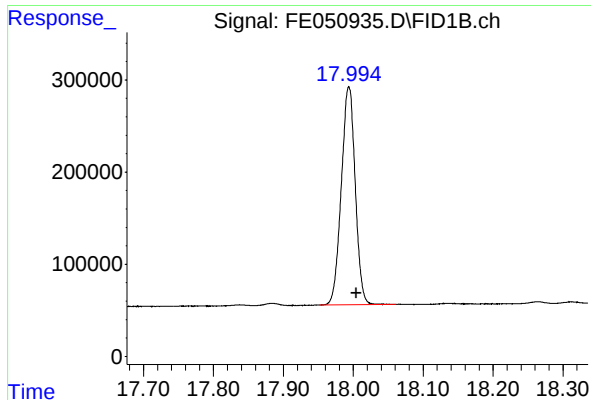
#15 n-Hexacosane (C26)

R.T.: 16.158 min
Delta R.T.: -0.011 min
Response: 2679626
Conc: 19.04 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.010 min
Response: 2859507
Conc: 19.54 ug/ml



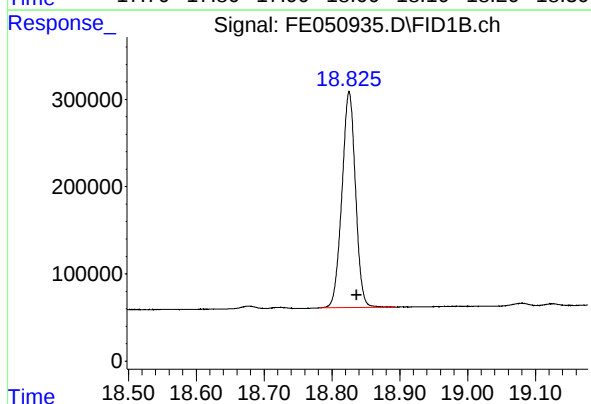
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.011 min
Response: 3273920
Conc: 20.59 ug/ml

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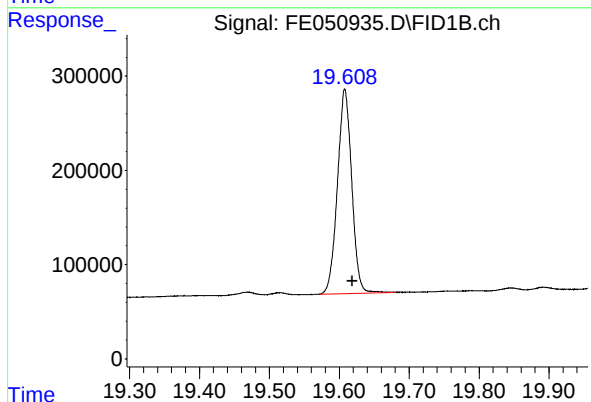
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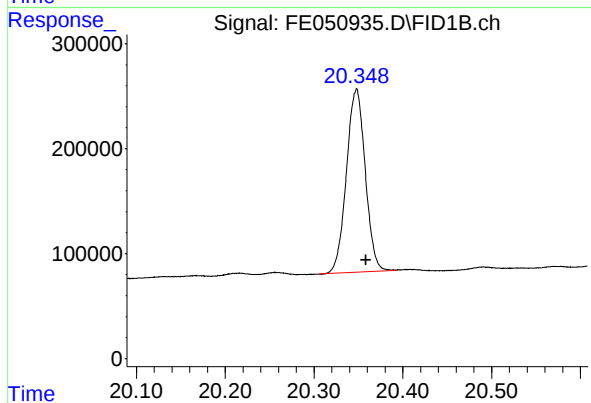
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.011 min
Response: 3441289
Conc: 21.23 ug/ml



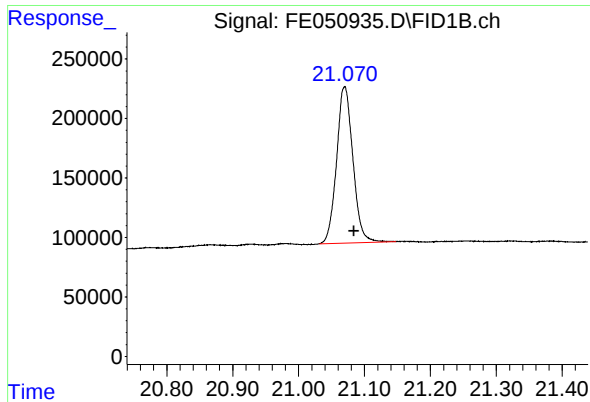
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.011 min
Response: 3076436
Conc: 20.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.011 min
Response: 2569621
Conc: 20.26 ug/ml m



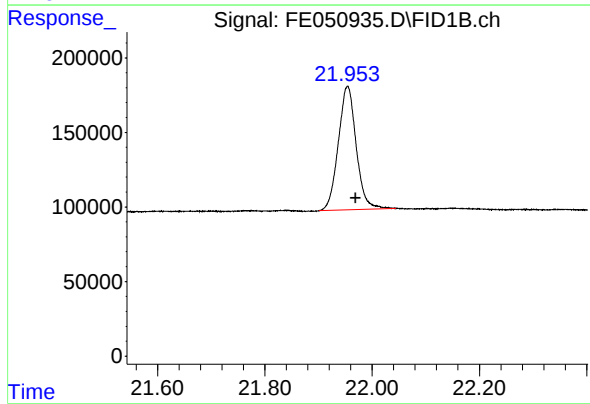
#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.014 min
Response: 2261967
Conc: 18.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.015 min
Response: 1921047
Conc: 17.25 ug/ml