

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092424AL\
 Data File : FE050339.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2024 21:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e
 Quant Time: Sep 25 02:51:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.866	2908885	19.552 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
12) S 1-chlorooctadecane (S...	13.300	2215702	19.725 ug/ml
Spiked Amount 50.000		Recovery =	39.45%
Target Compounds			
1) T n-Nonane (C9)	3.256	2570825	18.966 ug/ml
2) T n-Decane (C10)	4.506	2681055	19.426 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2739500	19.572 ug/ml
4) T n-Dodecane (C12)	6.674	2678133	19.367 ug/ml
5) T A~2-methylnaphthalene...	7.312	2566584	19.527 ug/ml
6) T n-Tetradecane (C14)	8.501	2676354	19.654 ug/ml
7) T n-Hexadecane (C16)	10.106	2755299	19.836 ug/ml
8) T n-Octadecane (C18)	11.547	2775559	19.811 ug/ml
10) T n-Eicosane (C20)	12.854	2655778	19.798 ug/mlm
11) T n-Heneicosane (C21)	13.465	2596436	19.760 ug/ml
13) T n-Docosane (C22)	14.050	2603854	19.996 ug/ml
14) T n-Tetracosane (C24)	15.152	2659479	20.365 ug/ml
15) T n-Hexacosane (C26)	16.172	2635569	20.600 ug/ml
16) T n-Octacosane (C28)	17.120	2768534	21.493 ug/ml
17) T n-Tricontane (C30)	18.006	3001490	22.446 ug/ml
18) T n-Dotriacontane (C32)	18.839	3077694	23.096 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2829193	22.897 ug/ml
20) T n-Hexatriacontane (C36)	20.360	2557324	23.049 ug/mlm
21) T n-Octatriacontane (C38)	21.082	2240513	20.317 ug/mlm
22) T n-Tetracontane (C40)	21.970	2048750	18.828 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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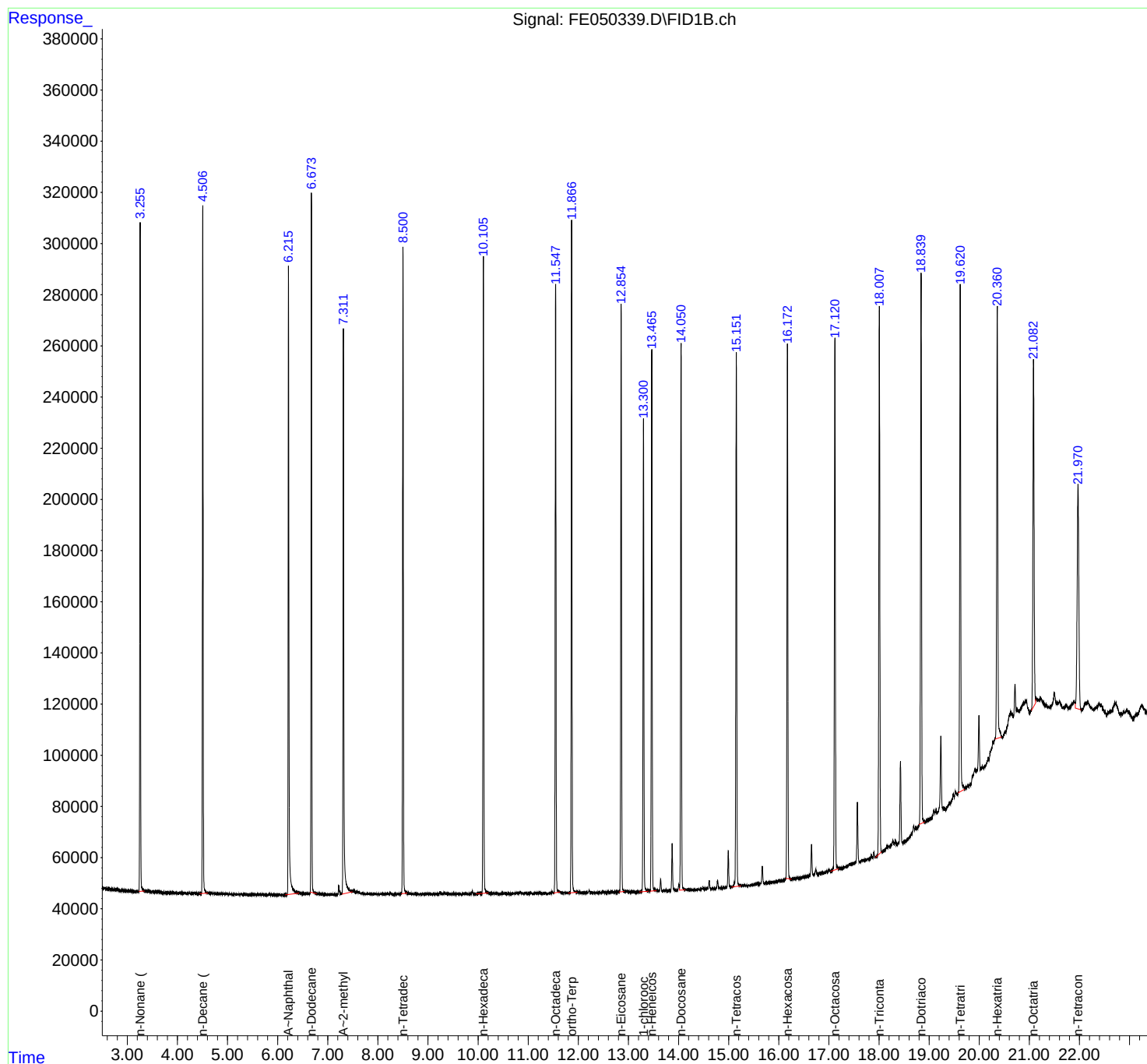
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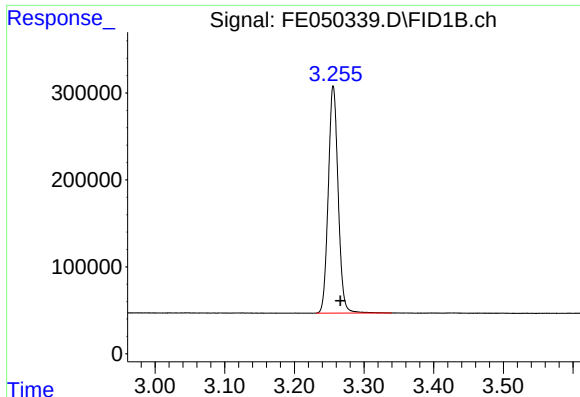
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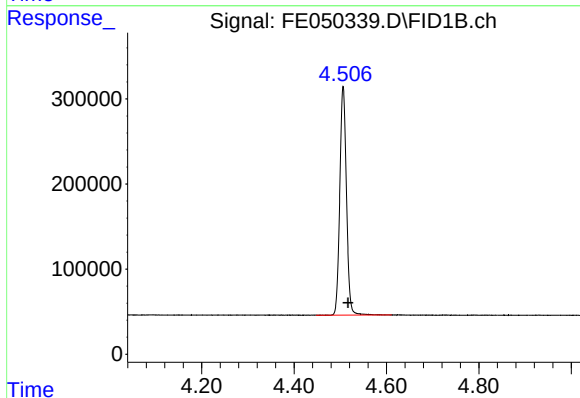
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.010 min
Response: 2570825
Conc: 18.97 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

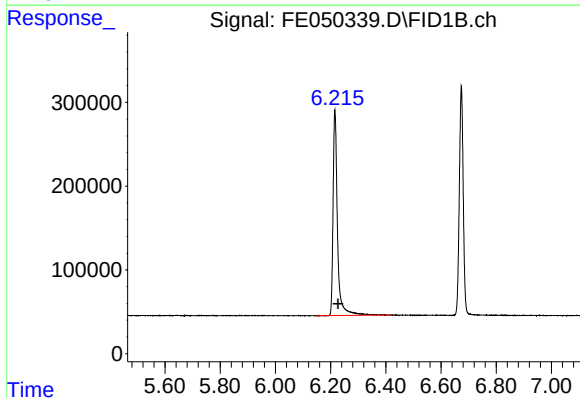
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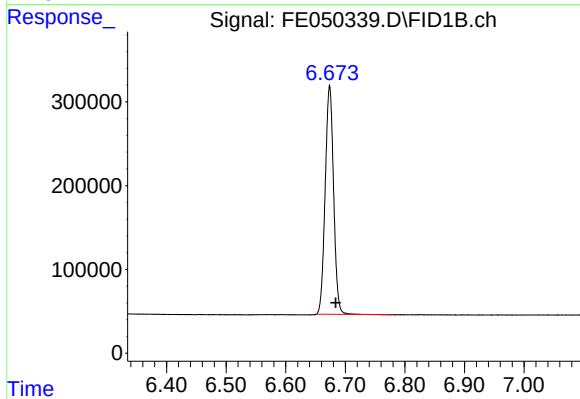
#2 n-Decane (C10)

R.T.: 4.506 min
Delta R.T.: -0.010 min
Response: 2681055
Conc: 19.43 ug/ml



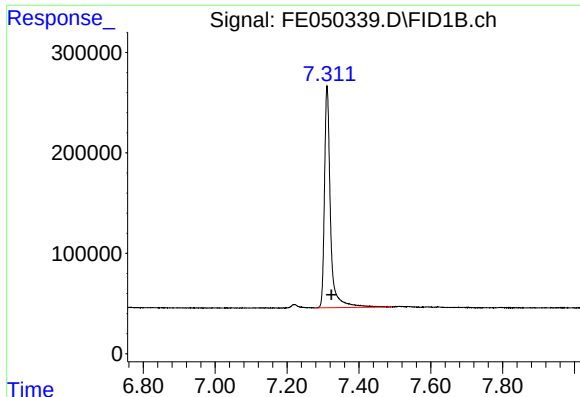
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2739500
Conc: 19.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2678133
Conc: 19.37 ug/ml



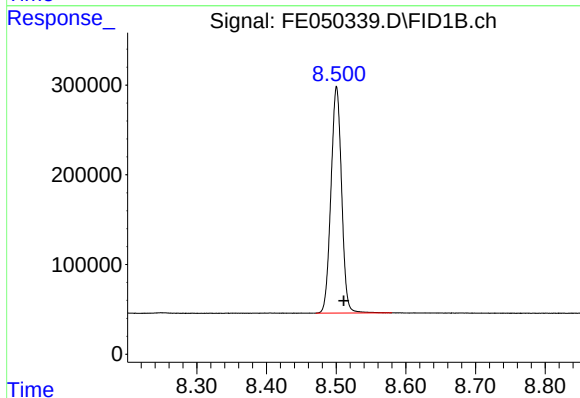
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2566584
Conc: 19.53 ug/ml

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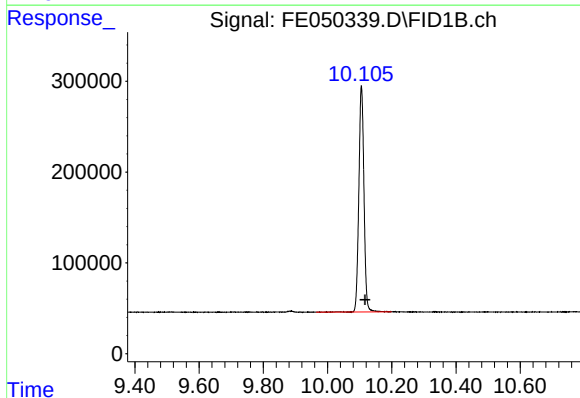
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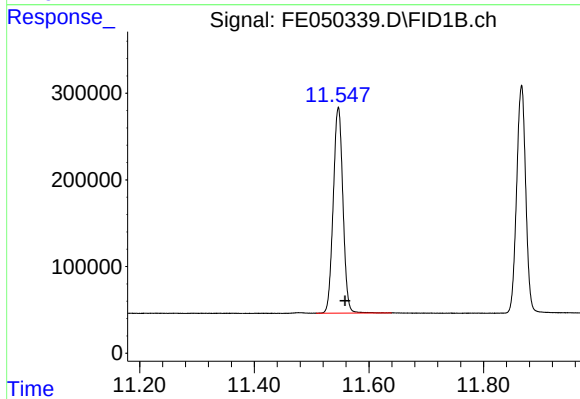
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2676354
Conc: 19.65 ug/ml



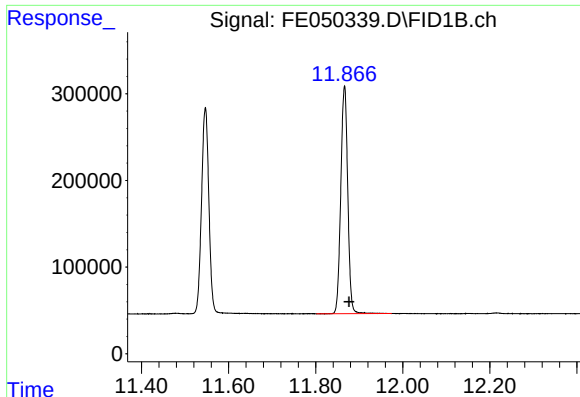
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2755299
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.012 min
Response: 2775559
Conc: 19.81 ug/ml



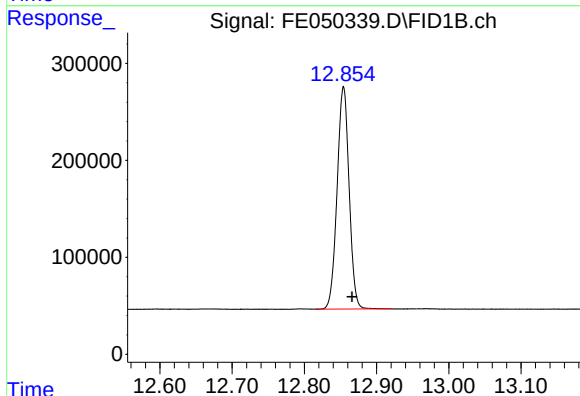
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.010 min
Response: 2908885
Conc: 19.55 ug/ml

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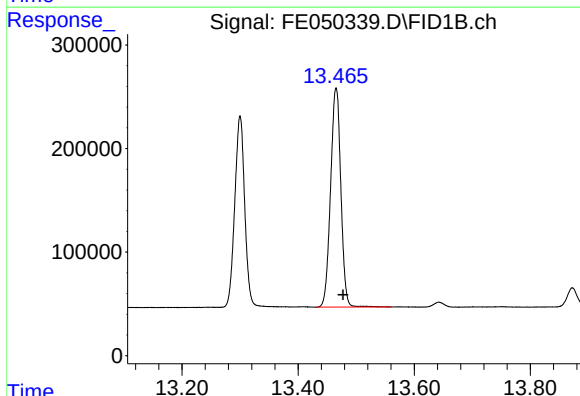
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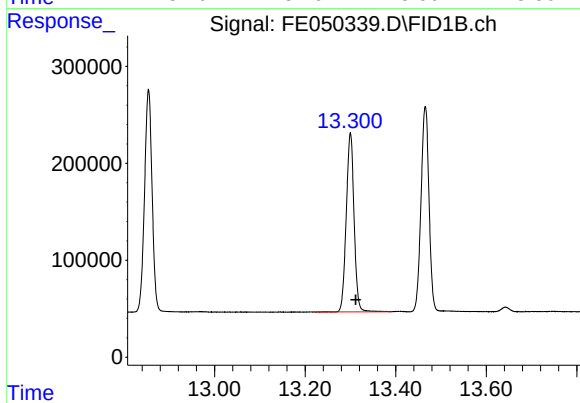
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2655778
Conc: 19.80 ug/ml m



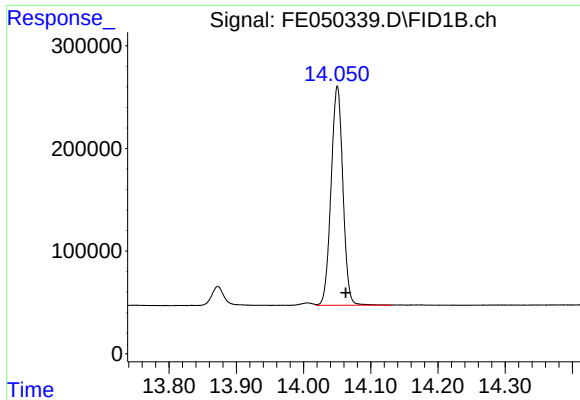
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: -0.012 min
Response: 2596436
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min
Delta R.T.: -0.011 min
Response: 2215702
Conc: 19.73 ug/ml



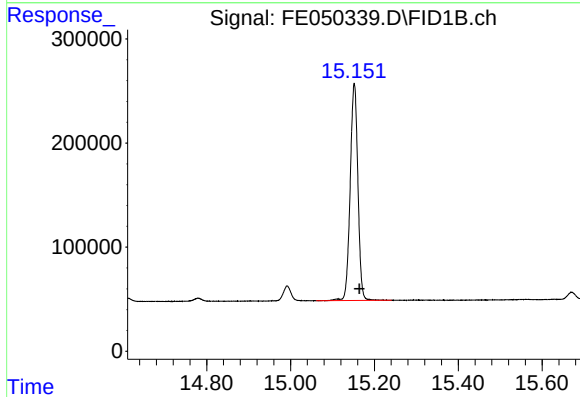
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: -0.013 min
Response: 2603854
Conc: 20.00 ug/ml

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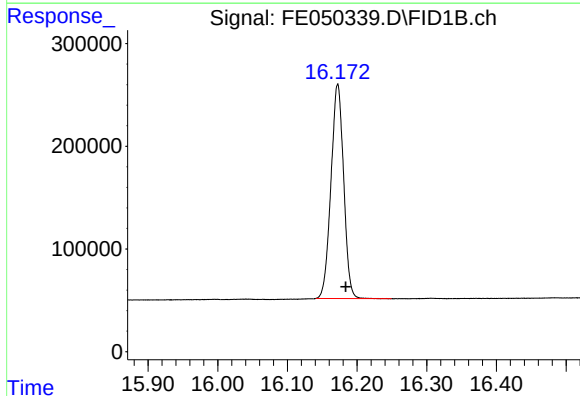
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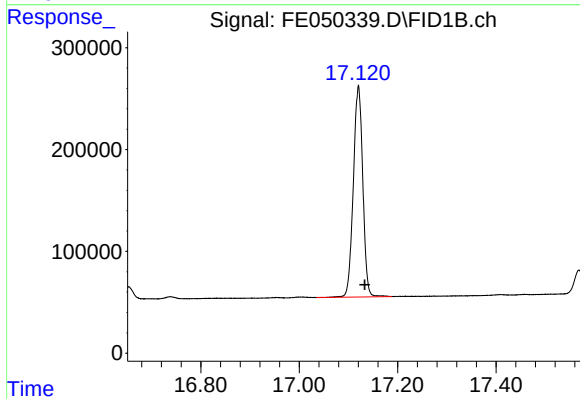
#14 n-Tetracosane (C24)

R.T.: 15.152 min
Delta R.T.: -0.012 min
Response: 2659479
Conc: 20.37 ug/ml



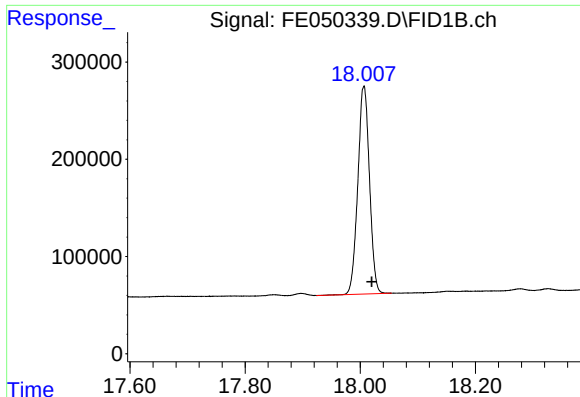
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.012 min
Response: 2635569
Conc: 20.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.013 min
Response: 2768534
Conc: 21.49 ug/ml



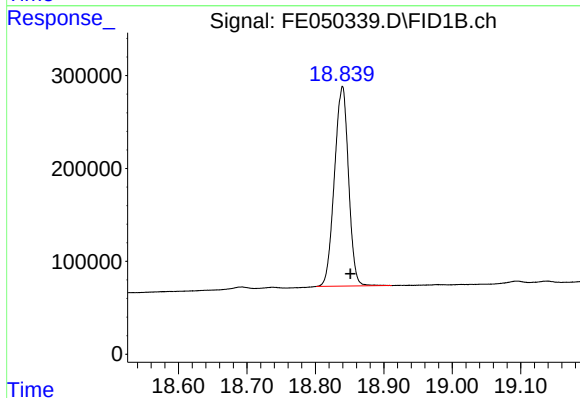
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.014 min
Response: 3001490
Conc: 22.45 ug/ml

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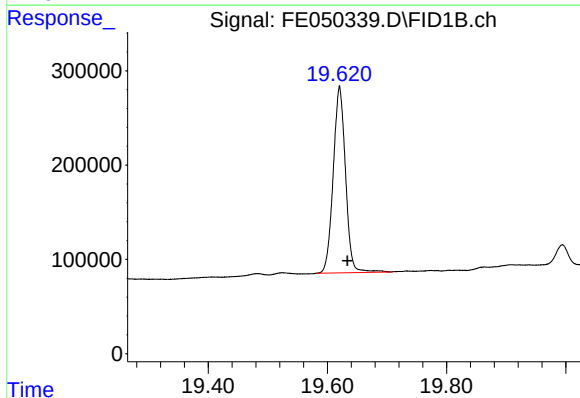
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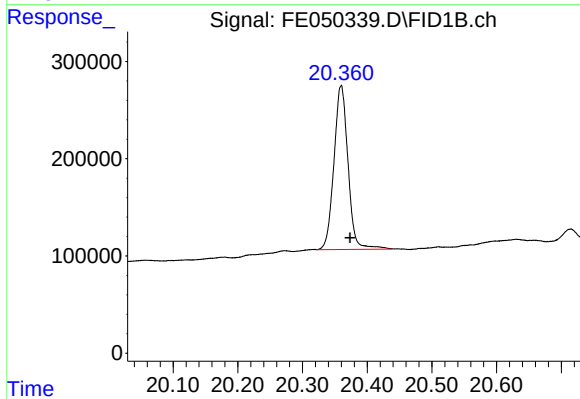
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.012 min
Response: 3077694
Conc: 23.10 ug/ml



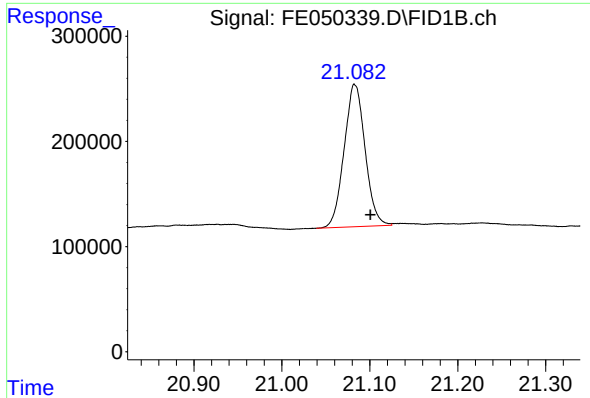
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.013 min
Response: 2829193
Conc: 22.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.014 min
Response: 2557324
Conc: 23.05 ug/ml m



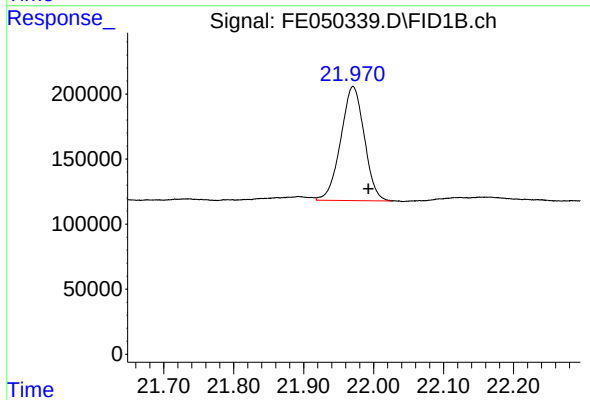
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.019 min
Response: 2240513
Conc: 20.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.022 min
Response: 2048750
Conc: 18.83 ug/ml m