

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092623AL\
 Data File : FE044443.D
 Signal(s) : FID1B.ch
 Acq On : 26 Sep 2023 06:57
 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 09/26/2023
 Supervised By :Ankita Jodhani 09/27/2023

Integration File: autoint1.e
 Quant Time: Sep 26 07:40:58 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 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)	11.923	3800198	20.242 ug/ml
Spiked Amount 50.000		Recovery =	40.48%
12) S 1-chlorooctadecane (S...	13.362	2772153	20.377 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
Target Compounds			
1) T n-Nonane (C9)	3.313	3322255	20.463 ug/ml
2) T n-Decane (C10)	4.564	3384570	20.439 ug/ml
3) T A~Naphthalene (C11.7)	6.264	3653247	20.434 ug/ml
4) T n-Dodecane (C12)	6.727	3399549	20.438 ug/ml
5) T A~2-methylnaphthalene...	7.360	3492159	20.411 ug/ml
6) T n-Tetradecane (C14)	8.553	3353651	20.428 ug/ml
7) T n-Hexadecane (C16)	10.163	3451786	20.376 ug/ml
8) T n-Octadecane (C18)	11.607	3449734	20.318 ug/ml
10) T n-Eicosane (C20)	12.917	3259603	20.260 ug/ml
11) T n-Heneicosane (C21)	13.530	3167394	20.228 ug/ml
13) T n-Docosane (C22)	14.117	3116108	20.204 ug/ml
14) T n-Tetracosane (C24)	15.220	3052301	20.192 ug/ml
15) T n-Hexacosane (C26)	16.241	2973694	20.216 ug/ml
16) T n-Octacosane (C28)	17.193	2916962	20.338 ug/ml
17) T n-Tricontane (C30)	18.081	3048032	20.562 ug/ml
18) T n-Dotriacontane (C32)	18.914	3073140	20.759 ug/ml
19) T n-Tetratriacontane (C34)	19.700	3032091	20.747 ug/ml
20) T n-Hexatriacontane (C36)	20.444	2981119	20.552 ug/ml
21) T n-Octatriacontane (C38)	21.182	3059544	20.426 ug/ml
22) T n-Tetracontane (C40)	22.105	3166261	20.064 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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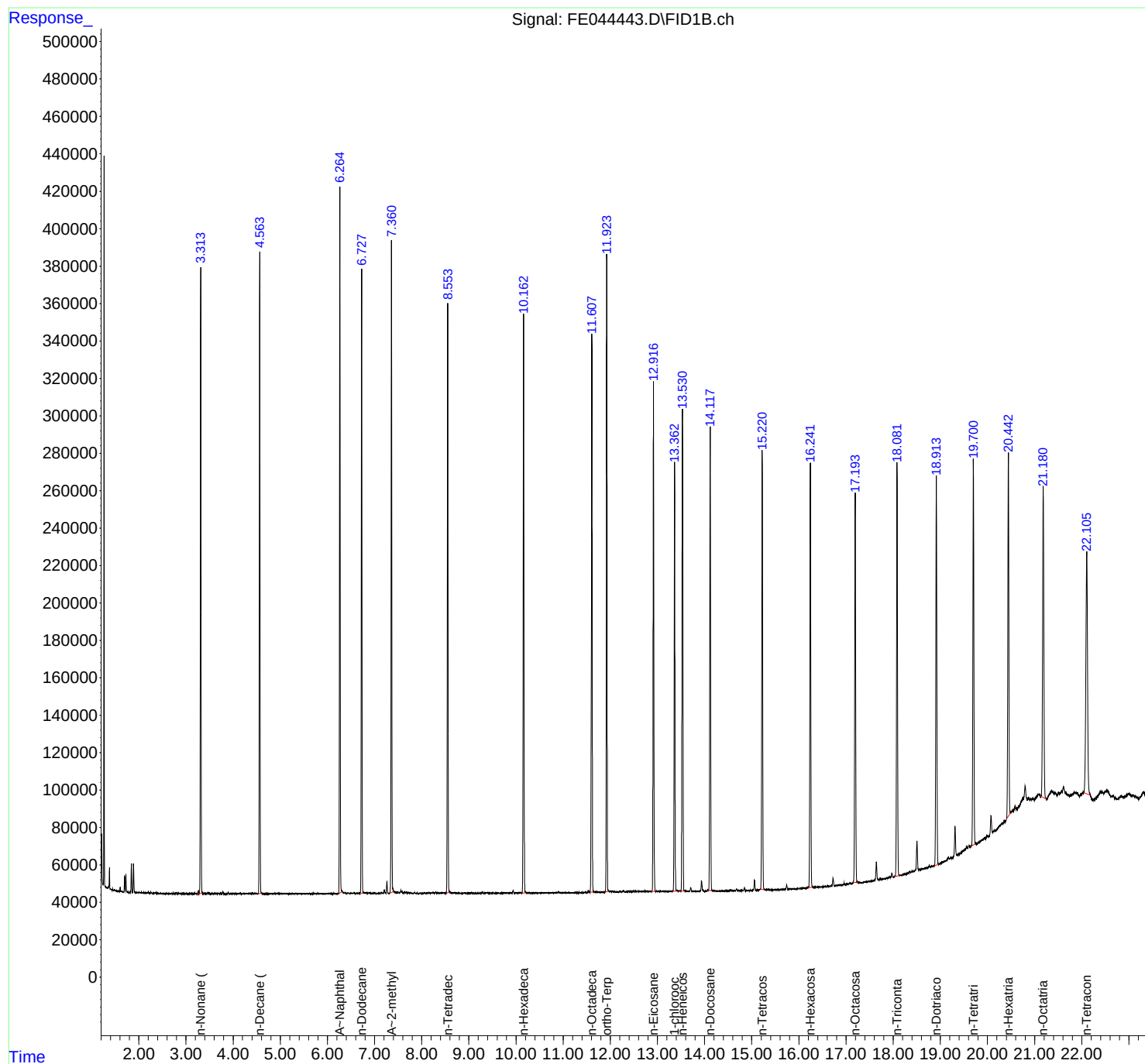
Instrument :
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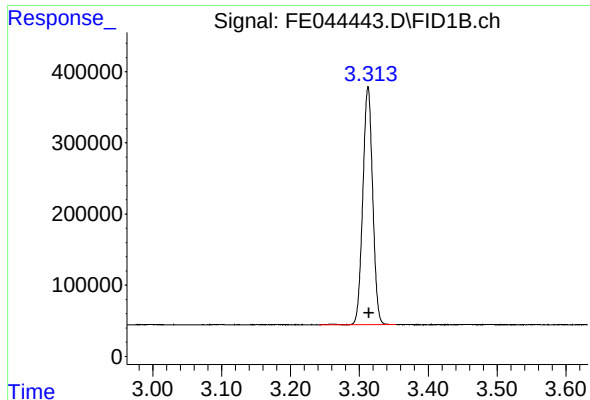
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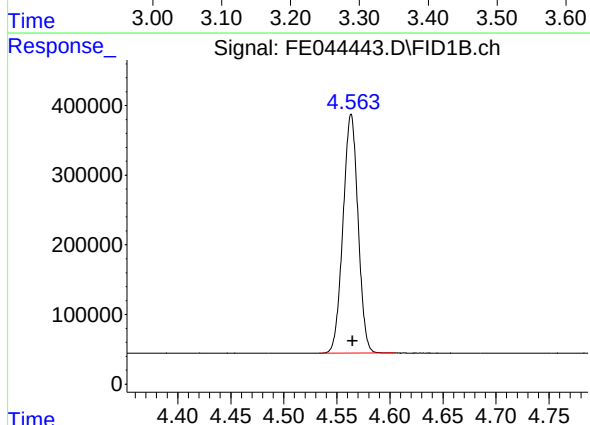
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: -0.001 min
Response: 3322255
Conc: 20.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

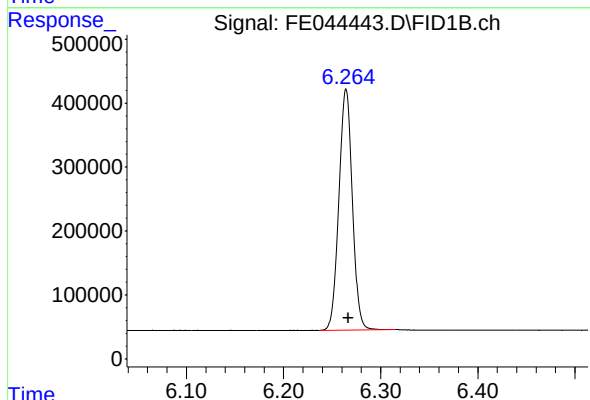
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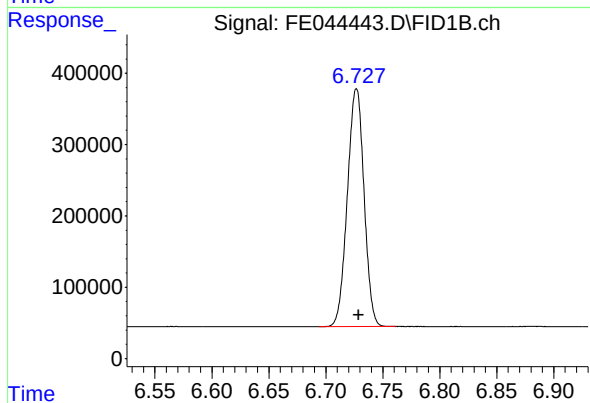
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: -0.002 min
Response: 3384570
Conc: 20.44 ug/ml



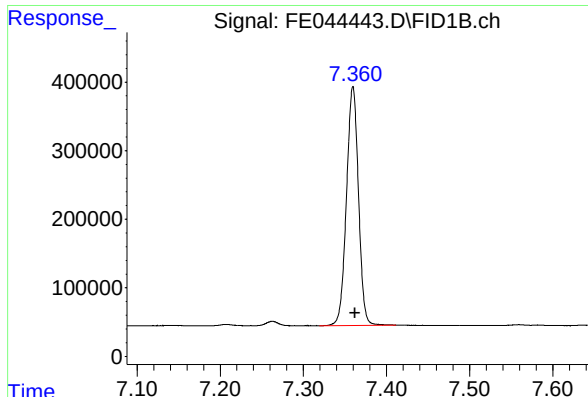
#3 A~Naphthalene (C11.7)

R.T.: 6.264 min
Delta R.T.: -0.002 min
Response: 3653247
Conc: 20.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.002 min
Response: 3399549
Conc: 20.44 ug/ml



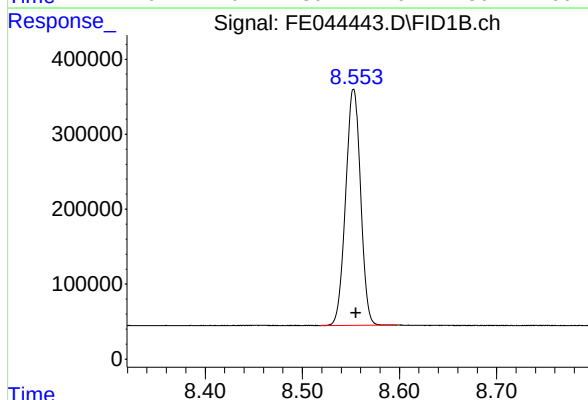
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.002 min
Response: 3492159
Conc: 20.41 ug/ml

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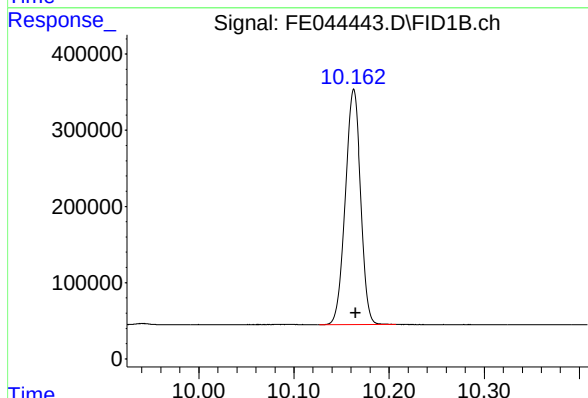
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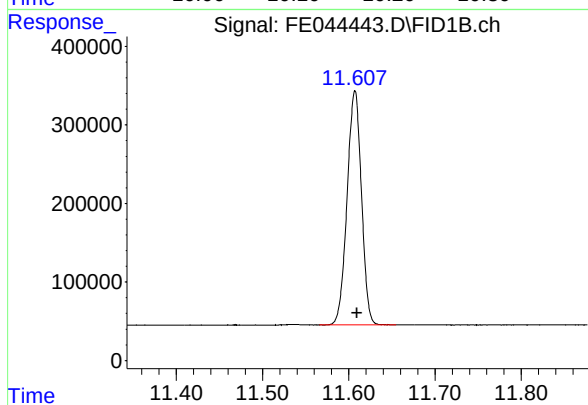
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.002 min
Response: 3353651
Conc: 20.43 ug/ml



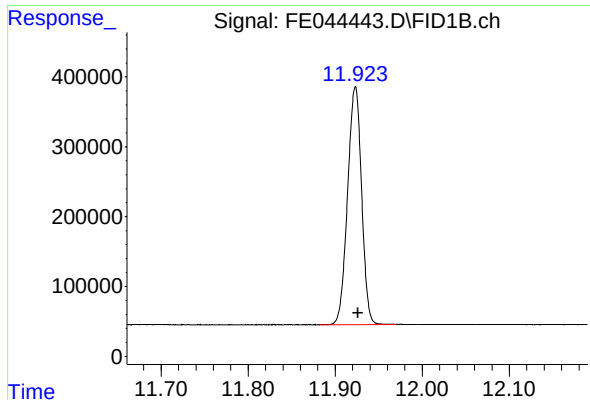
#7 n-Hexadecane (C16)

R.T.: 10.163 min
Delta R.T.: -0.002 min
Response: 3451786
Conc: 20.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.002 min
Response: 3449734
Conc: 20.32 ug/ml



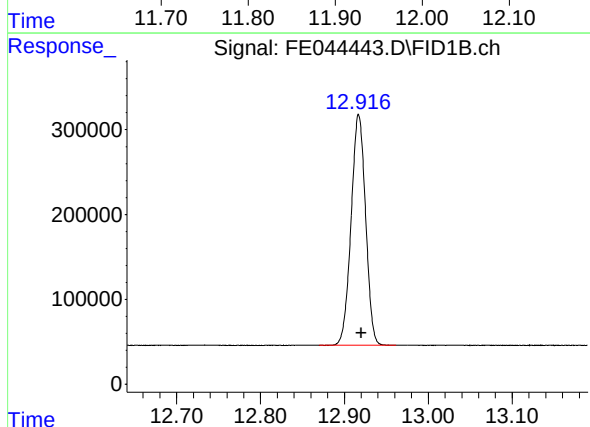
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 3800198
Conc: 20.24 ug/ml

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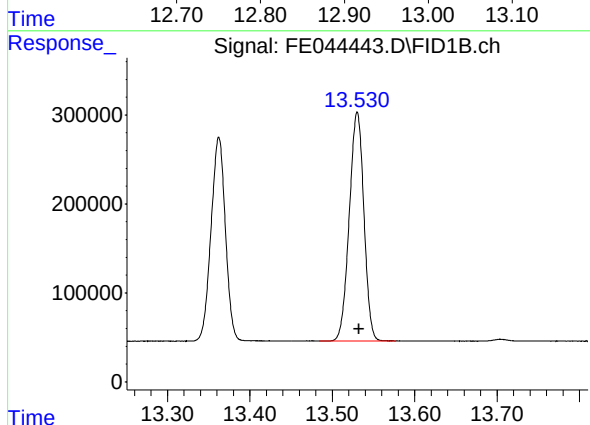
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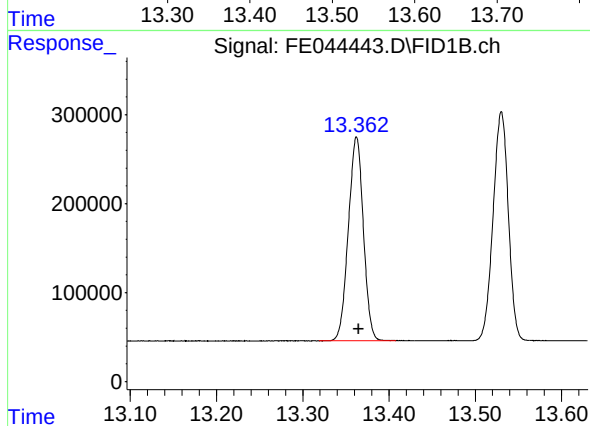
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.003 min
Response: 3259603
Conc: 20.26 ug/ml



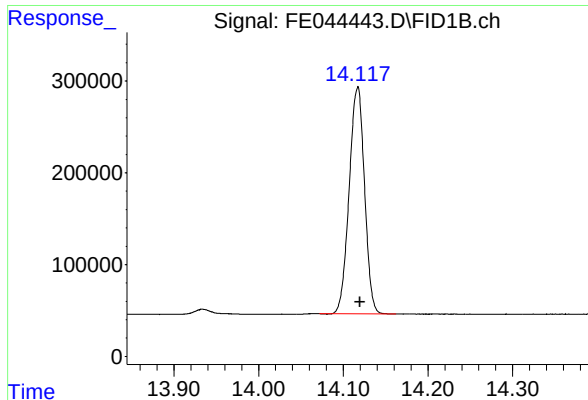
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: -0.002 min
Response: 3167394
Conc: 20.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.003 min
Response: 2772153
Conc: 20.38 ug/ml



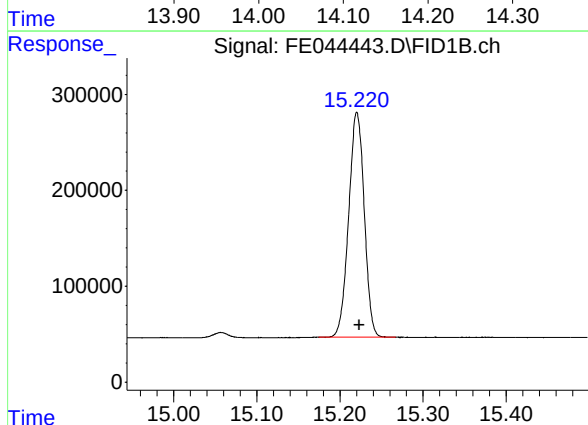
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.003 min
Response: 3116108
Conc: 20.20 ug/ml

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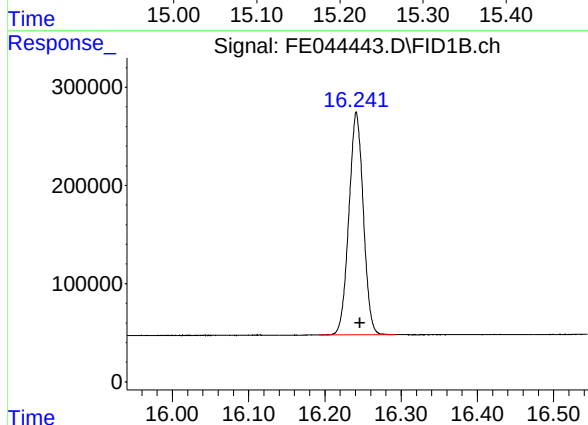
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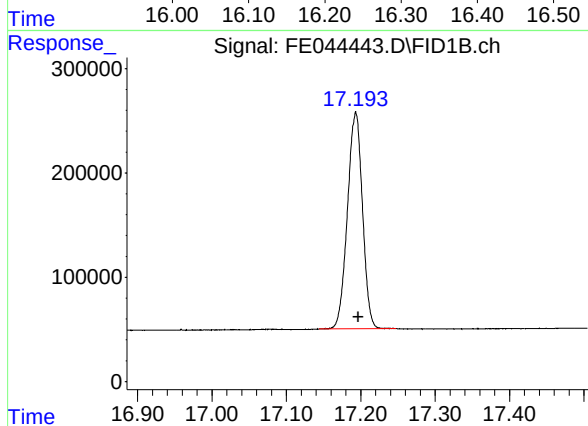
#14 n-Tetracosane (C24)

R.T.: 15.220 min
Delta R.T.: -0.003 min
Response: 3052301
Conc: 20.19 ug/ml



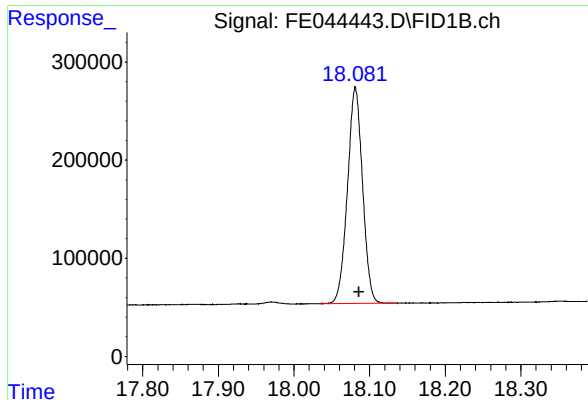
#15 n-Hexacosane (C26)

R.T.: 16.241 min
Delta R.T.: -0.005 min
Response: 2973694
Conc: 20.22 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.004 min
Response: 2916962
Conc: 20.34 ug/ml



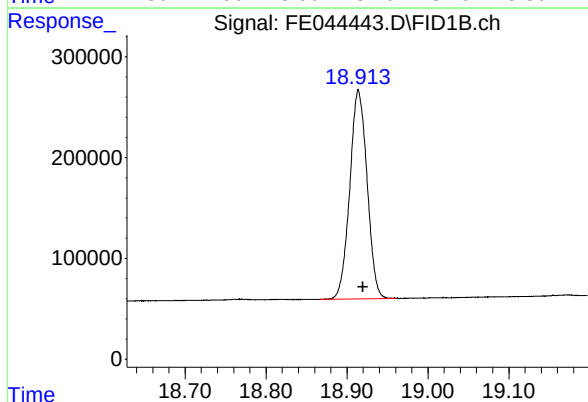
#17 n-Tricontane (C30)

R.T.: 18.081 min
Delta R.T.: -0.005 min
Response: 3048032
Conc: 20.56 ug/ml

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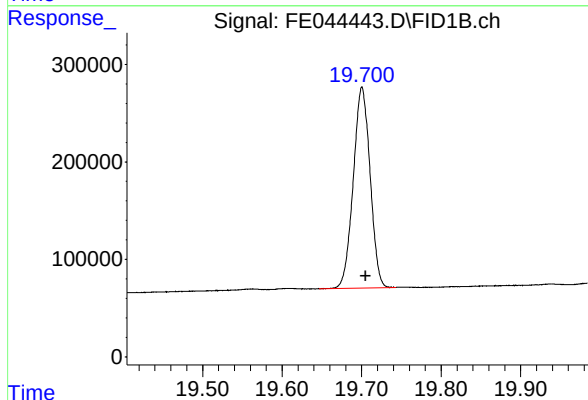
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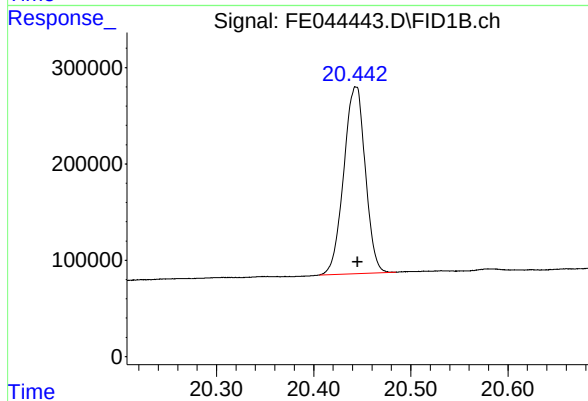
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.006 min
Response: 3073140
Conc: 20.76 ug/ml



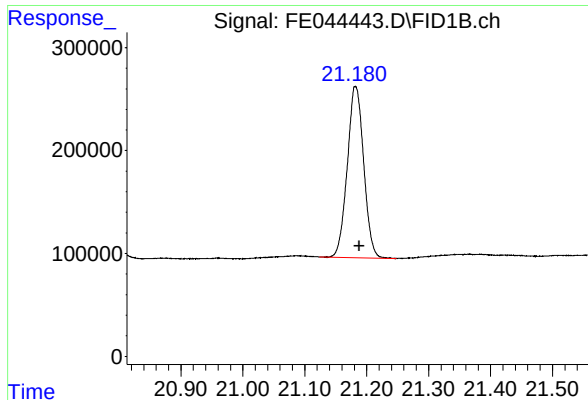
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.004 min
Response: 3032091
Conc: 20.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.002 min
Response: 2981119
Conc: 20.55 ug/ml



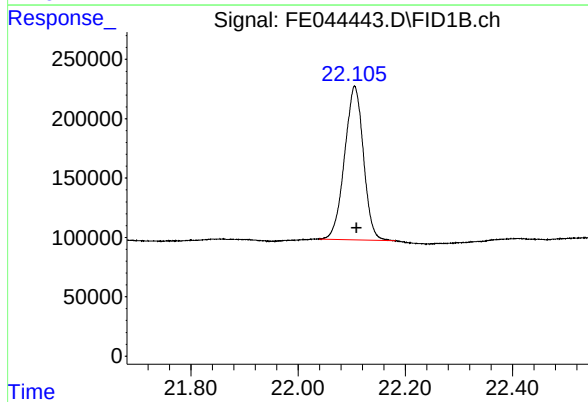
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.007 min
Response: 3059544
Conc: 20.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: -0.004 min
Response: 3166261
Conc: 20.06 ug/ml m