

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111023AL\
 Data File : FE045285.D
 Signal(s) : FID1B.ch
 Acq On : 10 Nov 2023 13:06
 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 11/13/2023
 Supervised By :Ankita Jodhani 11/13/2023

Integration File: autoint1.e
 Quant Time: Nov 10 13:33:35 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.877	3799076	19.898 ug/ml
Spiked Amount 50.000		Recovery =	39.80%
12) S 1-chlorooctadecane (S...	13.320	2711080	19.683 ug/ml
Spiked Amount 50.000		Recovery =	39.37%
Target Compounds			
1) T n-Nonane (C9)	3.267	3282244	19.868 ug/ml
2) T n-Decane (C10)	4.517	3360431	20.041 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3529567	19.774 ug/ml
4) T n-Dodecane (C12)	6.683	3368910	19.948 ug/ml
5) T A~2-methylnaphthalene...	7.312	3370454	19.628 ug/ml
6) T n-Tetradecane (C14)	8.509	3287648	19.726 ug/ml
7) T n-Hexadecane (C16)	10.120	3319319	19.734 ug/ml
8) T n-Octadecane (C18)	11.564	3291901	19.668 ug/ml
10) T n-Eicosane (C20)	12.875	3127920	19.746 ug/ml
11) T n-Heneicosane (C21)	13.488	3043796	19.796 ug/ml
13) T n-Docosane (C22)	14.075	3007764	19.851 ug/ml
14) T n-Tetracosane (C24)	15.180	3007070	20.303 ug/ml
15) T n-Hexacosane (C26)	16.202	2973938	20.404 ug/ml
16) T n-Octacosane (C28)	17.155	3048038	20.859 ug/ml
17) T n-Tricontane (C30)	18.044	3270097	21.528 ug/ml
18) T n-Dotriacontane (C32)	18.877	3444929	22.052 ug/ml
19) T n-Tetratriacontane (C34)	19.662	3286446	21.048 ug/ml
20) T n-Hexatriacontane (C36)	20.404	3341883	20.588 ug/ml
21) T n-Octatriacontane (C38)	21.138	3356074	20.200 ug/ml
22) T n-Tetracontane (C40)	22.046	4129404	24.176 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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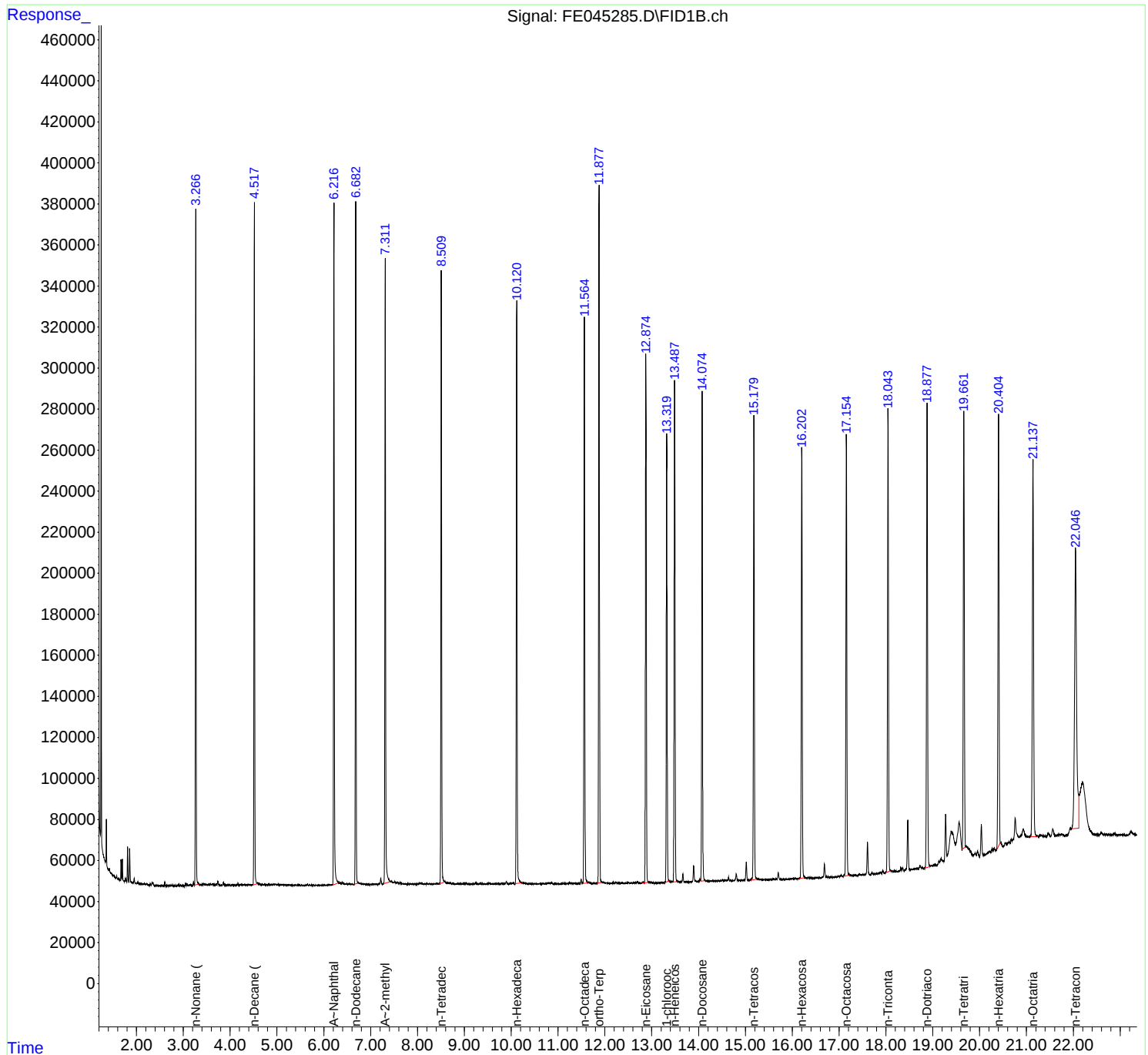
Instrument :
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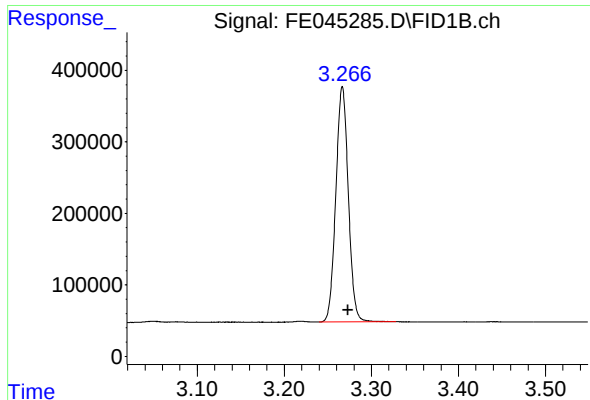
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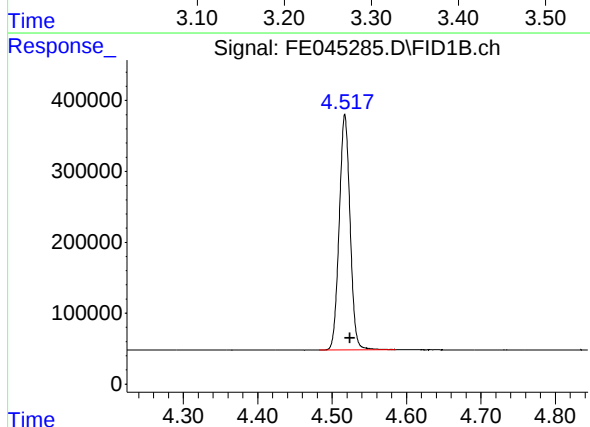
#1 n-Nonane (C9)

R.T.: 3.267 min
Delta R.T.: -0.006 min
Response: 3282244
Conc: 19.87 ug/ml

Instrument :
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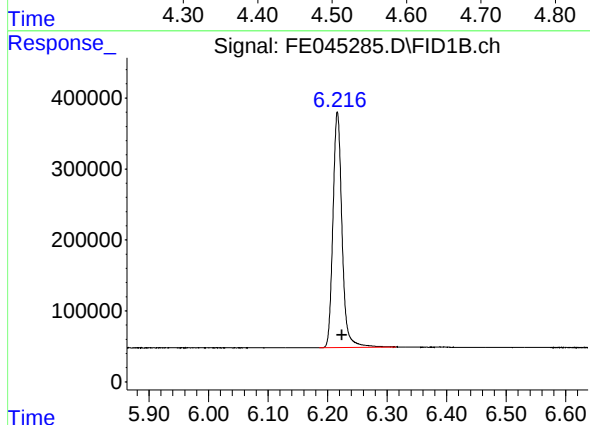
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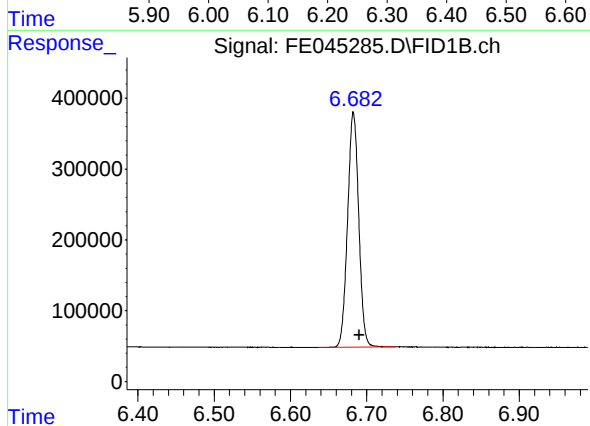
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.007 min
Response: 3360431
Conc: 20.04 ug/ml



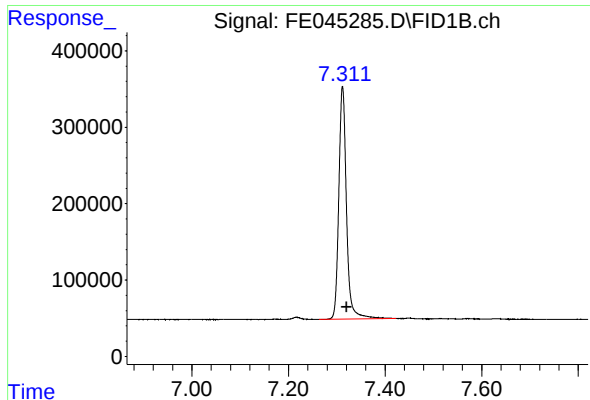
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.008 min
Response: 3529567
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.683 min
Delta R.T.: -0.008 min
Response: 3368910
Conc: 19.95 ug/ml



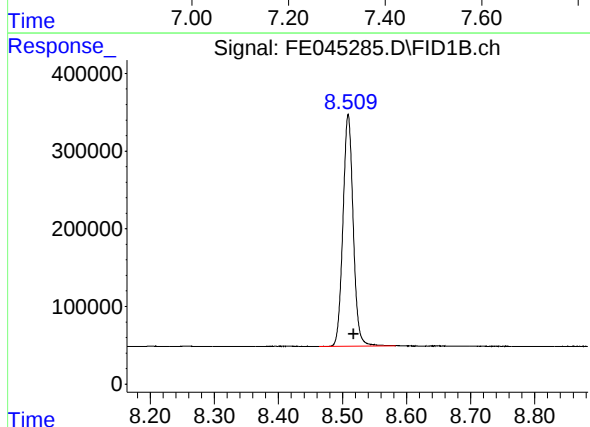
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.009 min
Response: 3370454
Conc: 19.63 ug/ml

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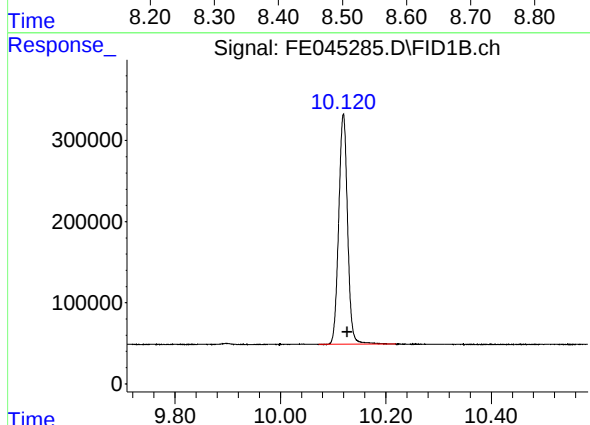
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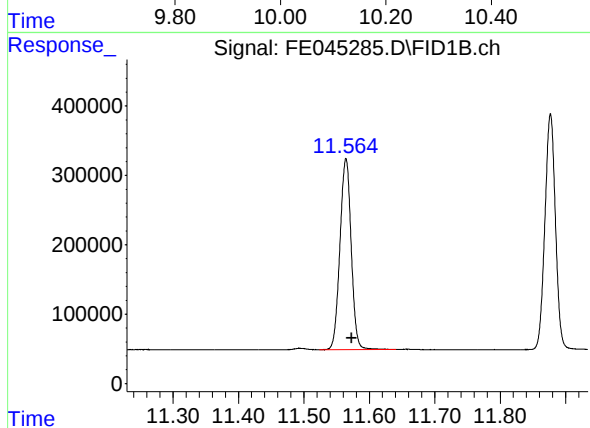
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 3287648
Conc: 19.73 ug/ml



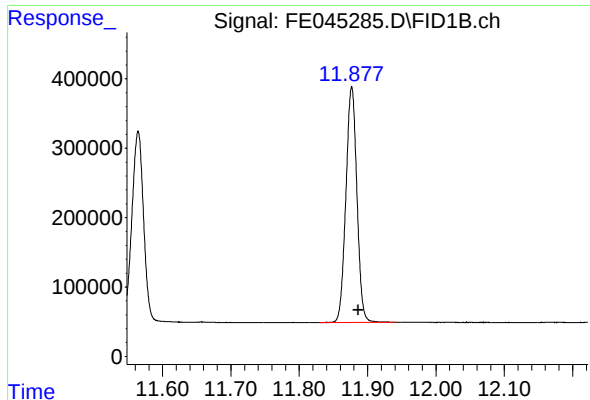
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: -0.007 min
Response: 3319319
Conc: 19.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.564 min
Delta R.T.: -0.009 min
Response: 3291901
Conc: 19.67 ug/ml



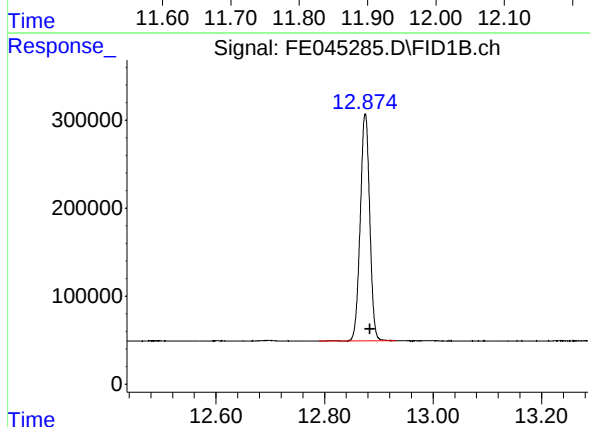
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: -0.010 min
Response: 3799076
Conc: 19.90 ug/ml

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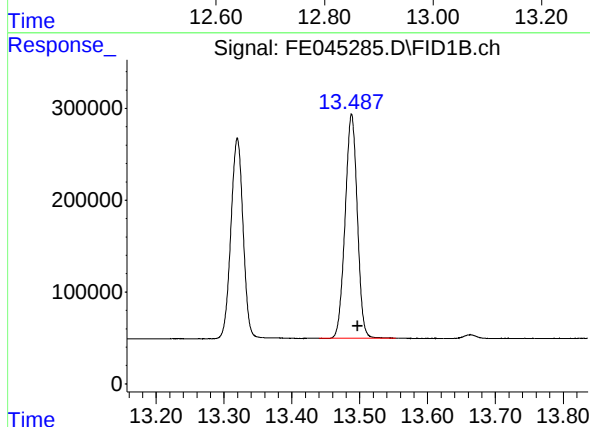
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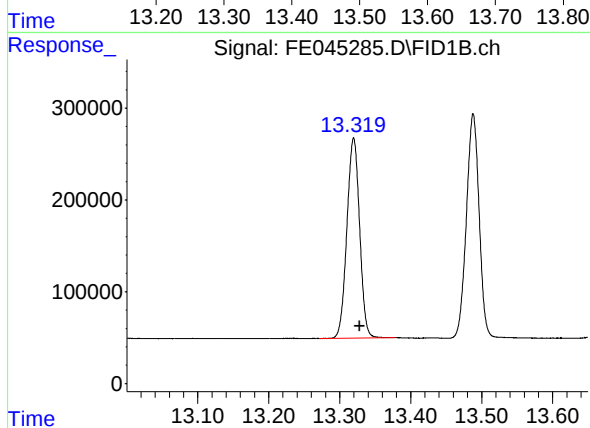
#10 n-Eicosane (C20)

R.T.: 12.875 min
Delta R.T.: -0.009 min
Response: 3127920
Conc: 19.75 ug/ml



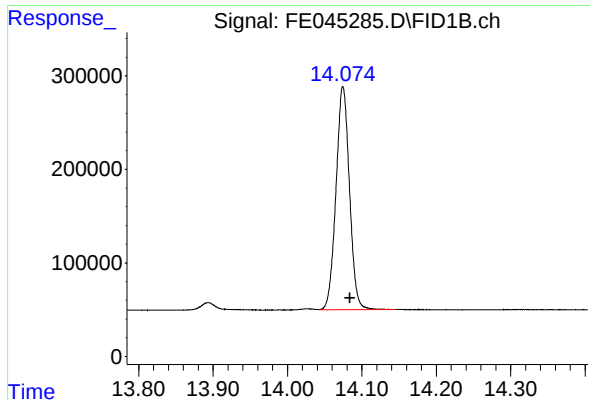
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.009 min
Response: 3043796
Conc: 19.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.008 min
Response: 2711080
Conc: 19.68 ug/ml



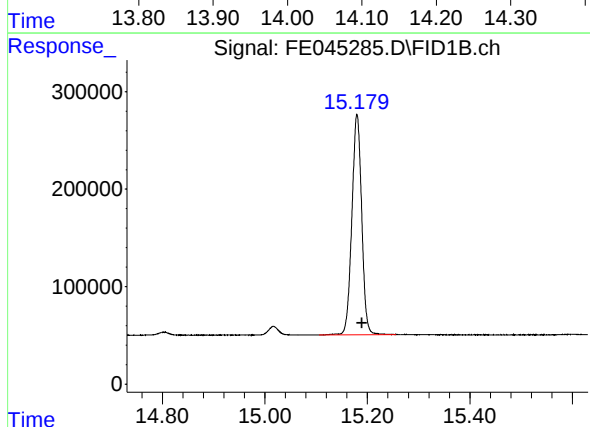
#13 n-Docosane (C22)

R.T.: 14.075 min
Delta R.T.: -0.009 min
Response: 3007764
Conc: 19.85 ug/ml

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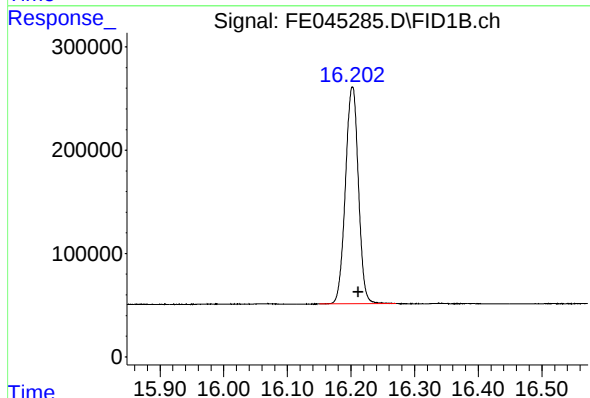
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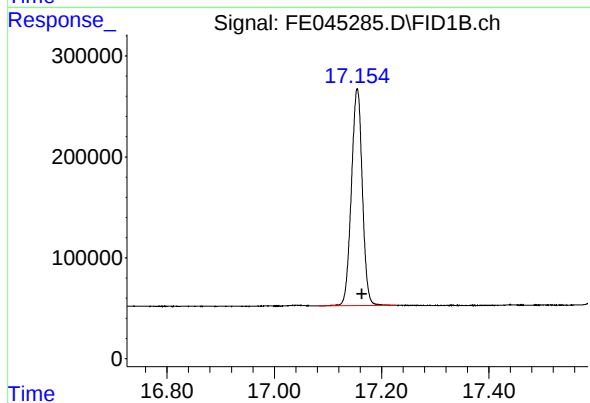
#14 n-Tetracosane (C24)

R.T.: 15.180 min
Delta R.T.: -0.009 min
Response: 3007070
Conc: 20.30 ug/ml



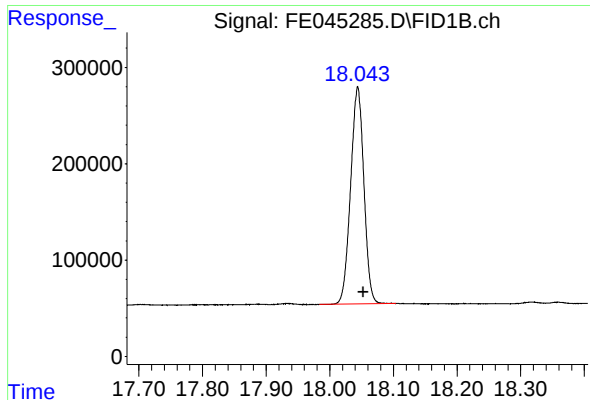
#15 n-Hexacosane (C26)

R.T.: 16.202 min
Delta R.T.: -0.009 min
Response: 2973938
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: -0.009 min
Response: 3048038
Conc: 20.86 ug/ml



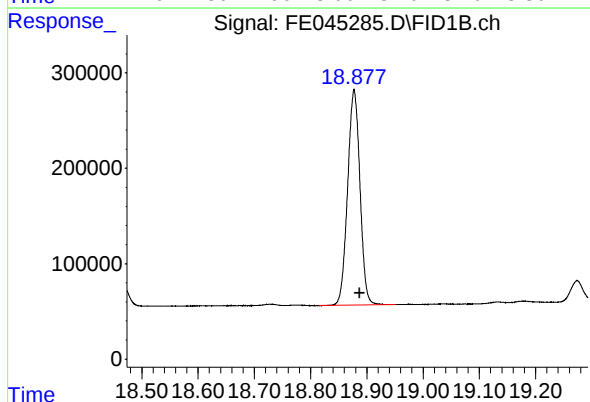
#17 n-Tricontane (C30)

R.T.: 18.044 min
Delta R.T.: -0.009 min
Response: 3270097
Conc: 21.53 ug/ml

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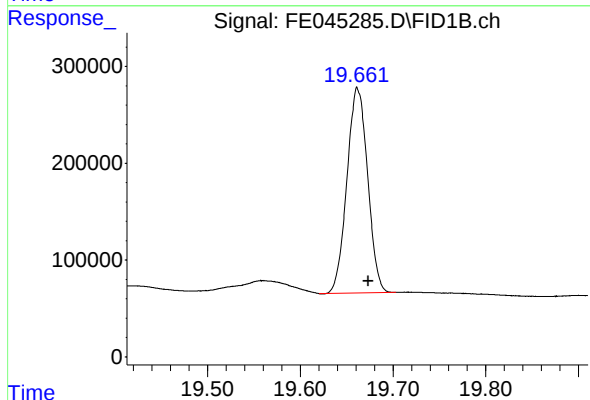
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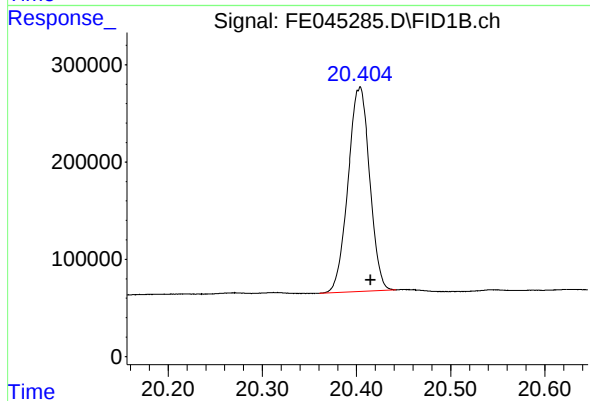
#18 n-Dotriacontane (C32)

R.T.: 18.877 min
Delta R.T.: -0.010 min
Response: 3444929
Conc: 22.05 ug/ml



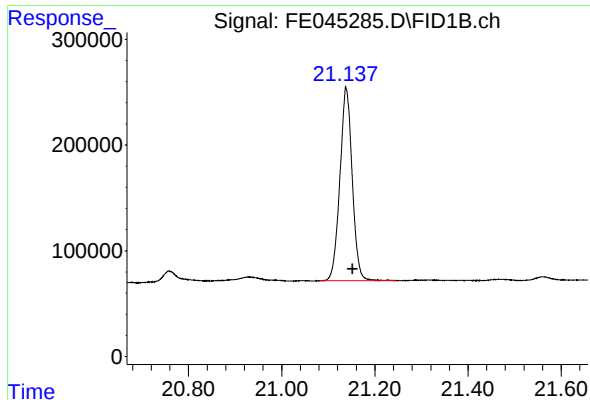
#19 n-Tetatriacontane (C34)

R.T.: 19.662 min
Delta R.T.: -0.012 min
Response: 3286446
Conc: 21.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.404 min
Delta R.T.: -0.011 min
Response: 3341883
Conc: 20.59 ug/ml



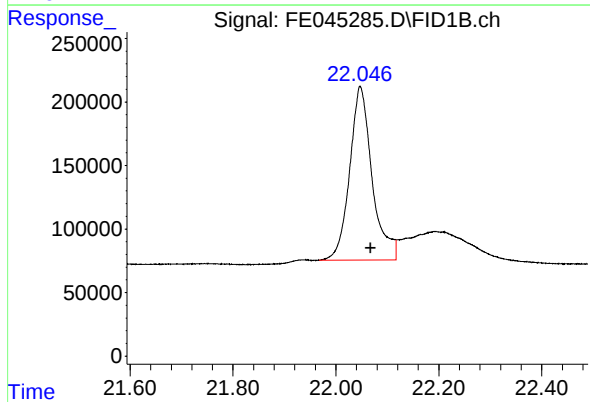
#21 n-Octatriacontane (C38)

R.T.: 21.138 min
Delta R.T.: -0.014 min
Response: 3356074
Conc: 20.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.046 min
Delta R.T.: -0.021 min
Response: 4129404
Conc: 24.18 ug/ml m