

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111423AL\
 Data File : FE045338.D
 Signal(s) : FID1B.ch
 Acq On : 14 Nov 2023 14:05
 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 11/15/2023
 Supervised By :Ankita Jodhani 11/15/2023

Integration File: autoint1.e
 Quant Time: Nov 14 21:45:10 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	3966168	20.773 ug/ml
Spiked Amount 50.000		Recovery =	41.55%
12) S 1-chlorooctadecane (S...	13.319	2833514	20.572 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
Target Compounds			
1) T n-Nonane (C9)	3.265	3374450	20.427 ug/ml
2) T n-Decane (C10)	4.515	3498883	20.867 ug/ml
3) T A~Naphthalene (C11.7)	6.215	3692623	20.687 ug/ml
4) T n-Dodecane (C12)	6.682	3542681	20.977 ug/ml
5) T A~2-methylnaphthalene...	7.311	3541950	20.627 ug/ml
6) T n-Tetradecane (C14)	8.508	3474660	20.848 ug/ml
7) T n-Hexadecane (C16)	10.118	3503377	20.828 ug/ml
8) T n-Octadecane (C18)	11.563	3458232	20.662 ug/ml
10) T n-Eicosane (C20)	12.874	3276323	20.683 ug/ml
11) T n-Heneicosane (C21)	13.487	3174707	20.648 ug/ml
13) T n-Docosane (C22)	14.074	3131069	20.665 ug/ml
14) T n-Tetracosane (C24)	15.179	3094725	20.895 ug/ml
15) T n-Hexacosane (C26)	16.202	3069753	21.061 ug/ml
16) T n-Octacosane (C28)	17.153	3139284	21.483 ug/ml
17) T n-Tricontane (C30)	18.043	3383163	22.273 ug/ml
18) T n-Dotriacontane (C32)	18.878	3563002	22.807 ug/ml
19) T n-Tetratriacontane (C34)	19.663	3559768	22.799 ug/ml
20) T n-Hexatriacontane (C36)	20.404	3602880	22.196 ug/ml
21) T n-Octatriacontane (C38)	21.141	3538025	21.295 ug/mlm
22) T n-Tetracontane (C40)	22.049	3402874	19.922 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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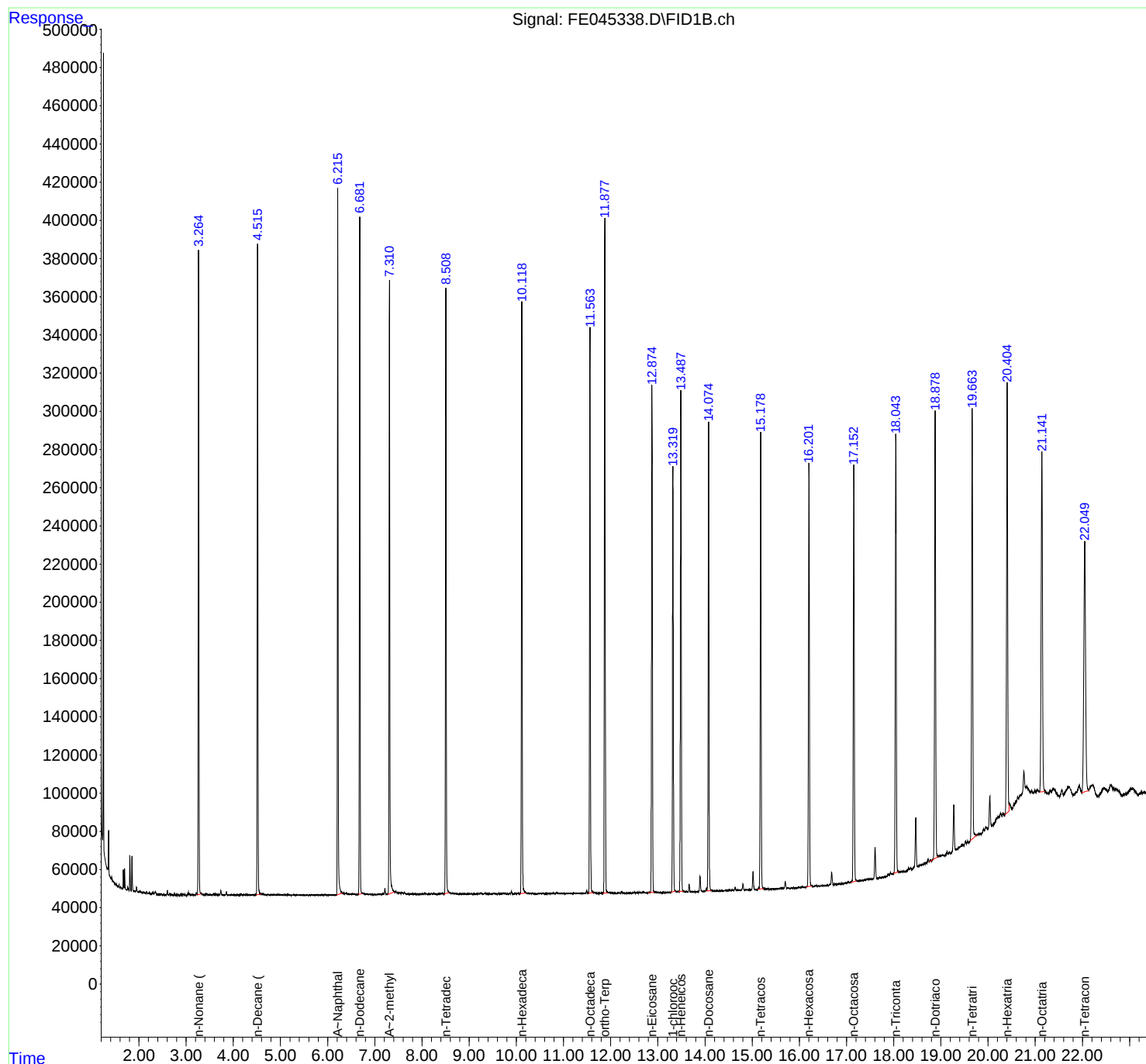
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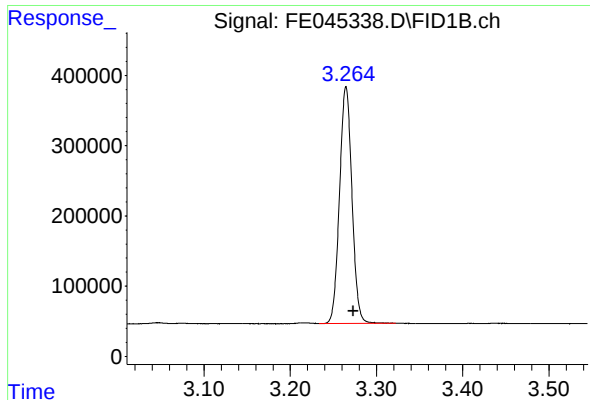
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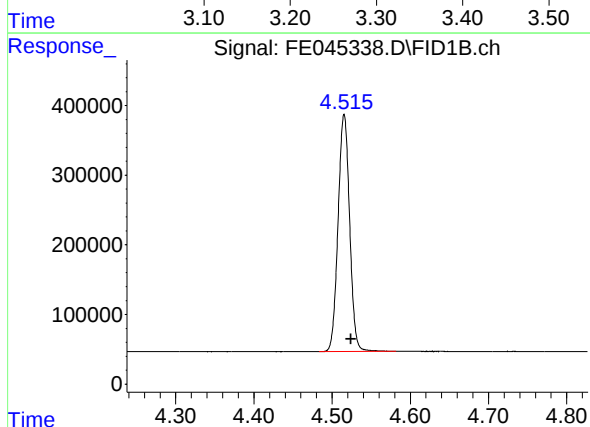
#1 n-Nonane (C9)

R.T.: 3.265 min
Delta R.T.: -0.008 min
Response: 3374450
Conc: 20.43 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

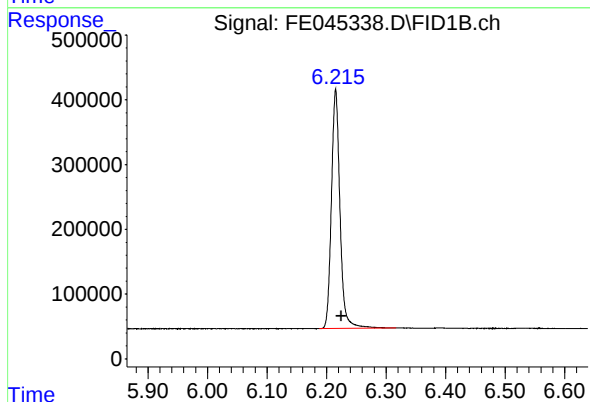
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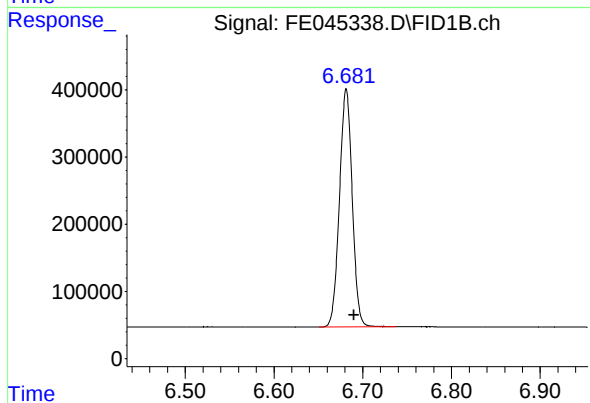
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.009 min
Response: 3498883
Conc: 20.87 ug/ml



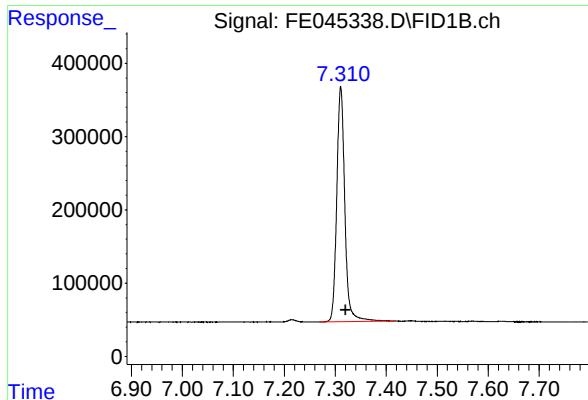
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: -0.009 min
Response: 3692623
Conc: 20.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.009 min
Response: 3542681
Conc: 20.98 ug/ml



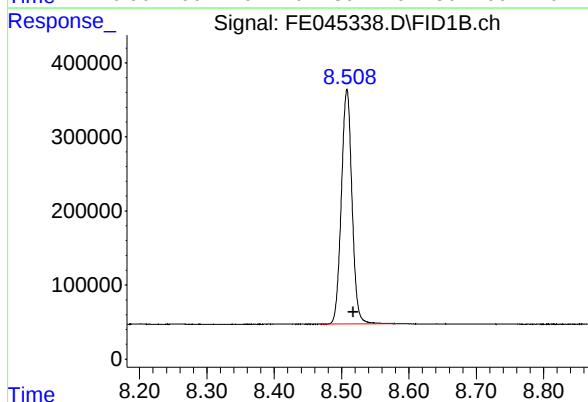
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.010 min
Response: 3541950
Conc: 20.63 ug/ml

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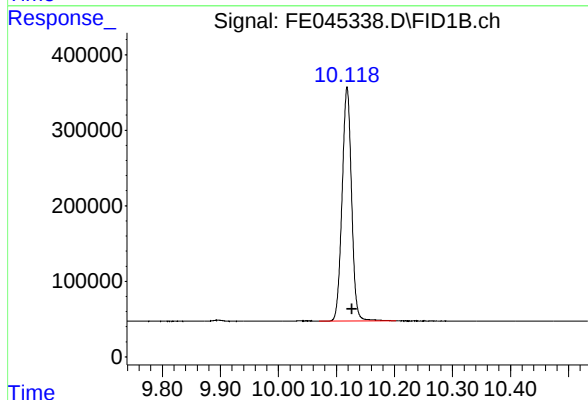
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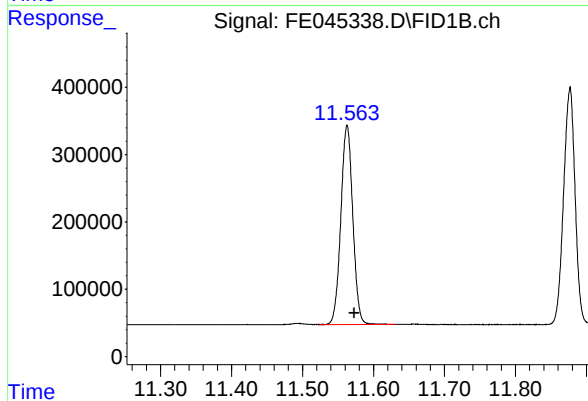
#6 n-Tetradecane (C14)

R.T.: 8.508 min
Delta R.T.: -0.009 min
Response: 3474660
Conc: 20.85 ug/ml



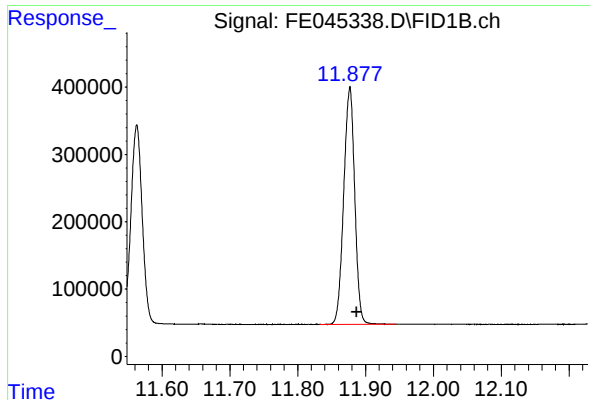
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.008 min
Response: 3503377
Conc: 20.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.563 min
Delta R.T.: -0.010 min
Response: 3458232
Conc: 20.66 ug/ml



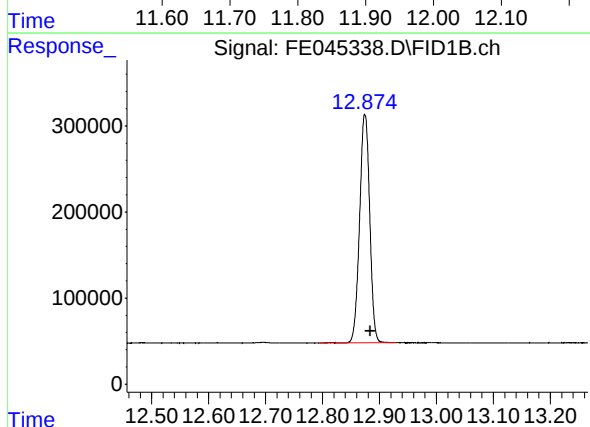
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: -0.010 min
Response: 3966168
Conc: 20.77 ug/ml

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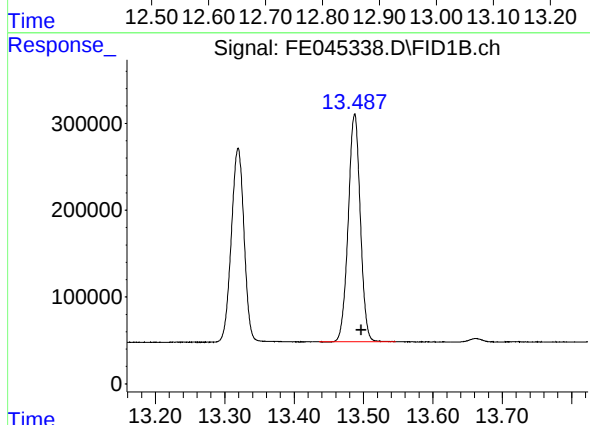
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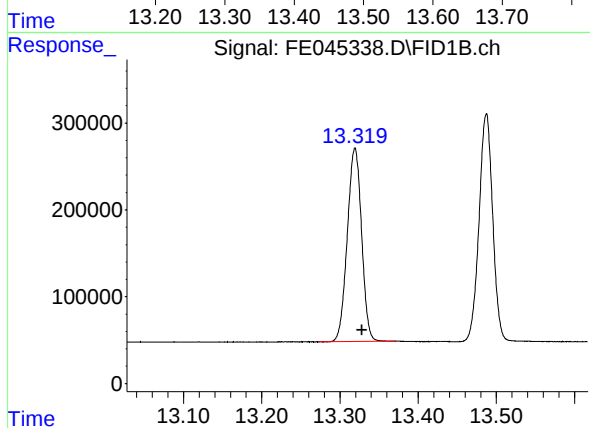
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.009 min
Response: 3276323
Conc: 20.68 ug/ml



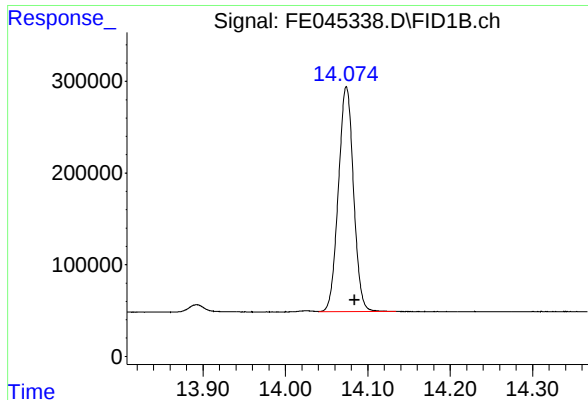
#11 n-Heneicosane (C21)

R.T.: 13.487 min
Delta R.T.: -0.009 min
Response: 3174707
Conc: 20.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.319 min
Delta R.T.: -0.009 min
Response: 2833514
Conc: 20.57 ug/ml



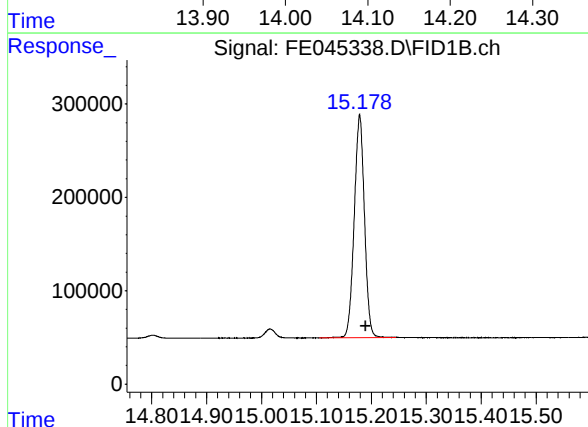
#13 n-Docosane (C22)

R.T.: 14.074 min
Delta R.T.: -0.010 min
Response: 3131069
Conc: 20.67 ug/ml

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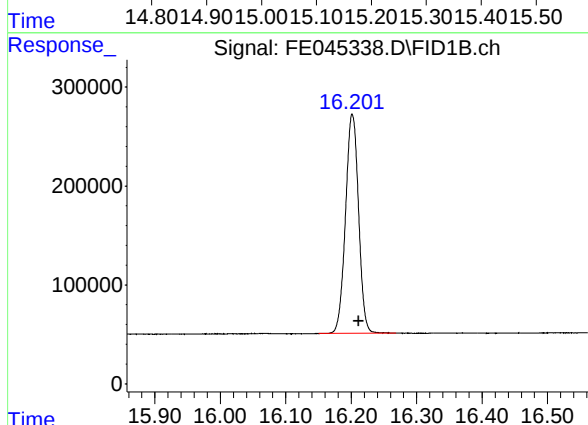
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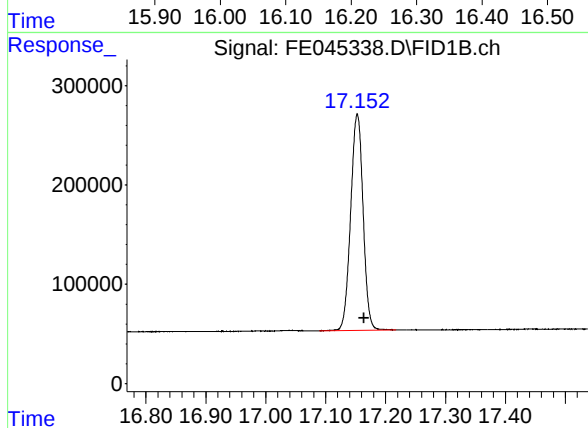
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.010 min
Response: 3094725
Conc: 20.89 ug/ml



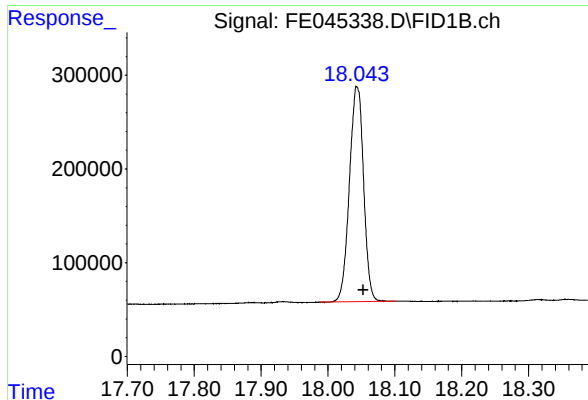
#15 n-Hexacosane (C26)

R.T.: 16.202 min
Delta R.T.: -0.010 min
Response: 3069753
Conc: 21.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: -0.011 min
Response: 3139284
Conc: 21.48 ug/ml



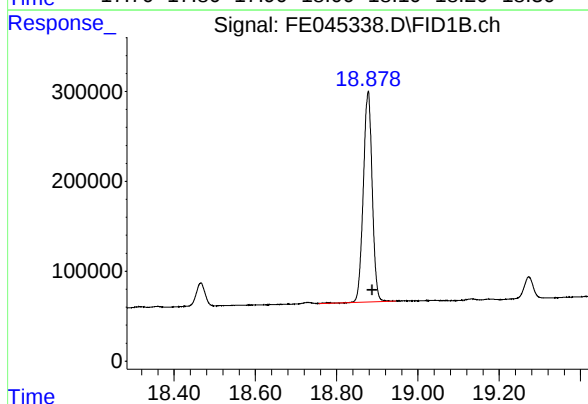
#17 n-Tricontane (C30)

R.T.: 18.043 min
Delta R.T.: -0.009 min
Response: 3383163
Conc: 22.27 ug/ml

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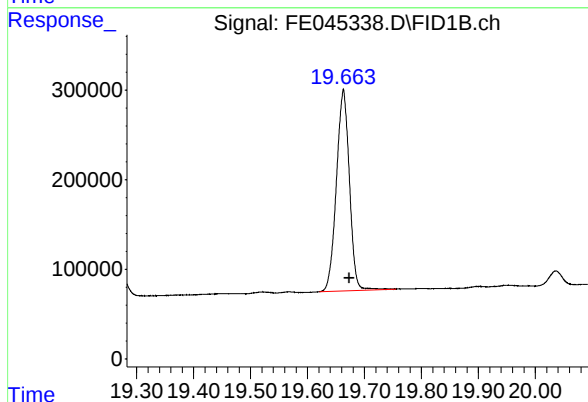
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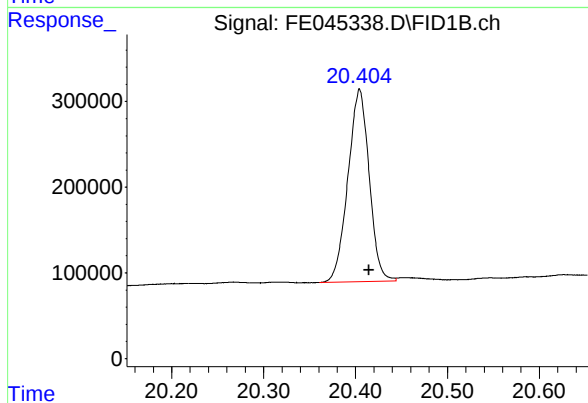
#18 n-Dotriacontane (C32)

R.T.: 18.878 min
Delta R.T.: -0.010 min
Response: 3563002
Conc: 22.81 ug/ml



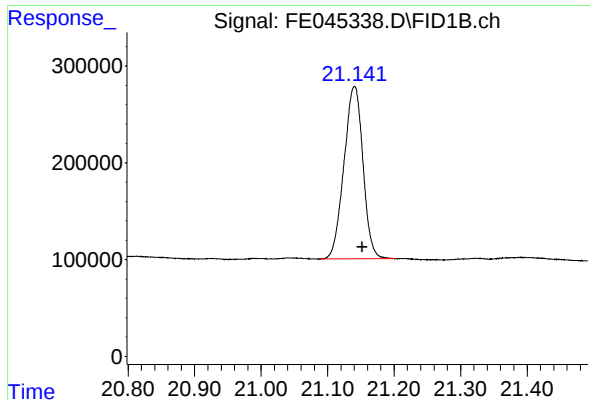
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.010 min
Response: 3559768
Conc: 22.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.404 min
Delta R.T.: -0.010 min
Response: 3602880
Conc: 22.20 ug/ml



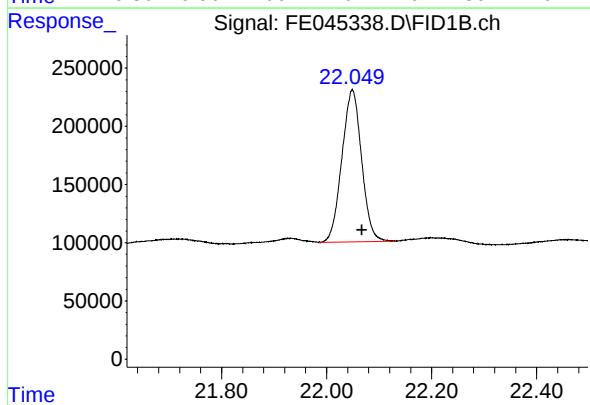
#21 n-Octatriacontane (C38)

R.T.: 21.141 min
Delta R.T.: -0.012 min
Response: 3538025
Conc: 21.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.049 min
Delta R.T.: -0.019 min
Response: 3402874
Conc: 19.92 ug/ml