

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091324AL\
 Data File : FE050061.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2024 07:01
 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 09/12/2024
 Supervised By :Ankita Jodhani 09/13/2024

Integration File: autoint1.e
 Quant Time: Sep 12 11:04:03 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)	11.875	3021310	20.307 ug/ml
Spiked Amount 50.000		Recovery =	40.61%
12) S 1-chlorooctadecane (S...	13.309	2292370	20.408 ug/ml
Spiked Amount 50.000		Recovery =	40.82%
Target Compounds			
1) T n-Nonane (C9)	3.264	2770949	20.443 ug/ml
2) T n-Decane (C10)	4.515	2827700	20.489 ug/ml
3) T A~Naphthalene (C11.7)	6.223	2896134	20.691 ug/ml
4) T n-Dodecane (C12)	6.681	2829220	20.460 ug/ml
5) T A~2-methylnaphthalene...	7.319	2711273	20.628 ug/ml
6) T n-Tetradecane (C14)	8.509	2779410	20.411 ug/ml
7) T n-Hexadecane (C16)	10.115	2833021	20.396 ug/ml
8) T n-Octadecane (C18)	11.556	2848425	20.331 ug/ml
10) T n-Eicosane (C20)	12.864	2720516	20.281 ug/ml
11) T n-Heneicosane (C21)	13.475	2667391	20.300 ug/ml
13) T n-Docosane (C22)	14.060	2640997	20.281 ug/ml
14) T n-Tetracosane (C24)	15.162	2641250	20.225 ug/ml
15) T n-Hexacosane (C26)	16.181	2598599	20.311 ug/ml
16) T n-Octacosane (C28)	17.130	2619897	20.339 ug/ml
17) T n-Tricontane (C30)	18.016	2711491	20.277 ug/ml
18) T n-Dotriacontane (C32)	18.848	2691032	20.194 ug/ml
19) T n-Tetratriacontane (C34)	19.631	2490735	20.158 ug/ml
20) T n-Hexatriacontane (C36)	20.368	2275078	20.505 ug/mlm
21) T n-Octatriacontane (C38)	21.096	2209041	20.031 ug/ml
22) T n-Tetracontane (C40)	21.984	2147169	19.732 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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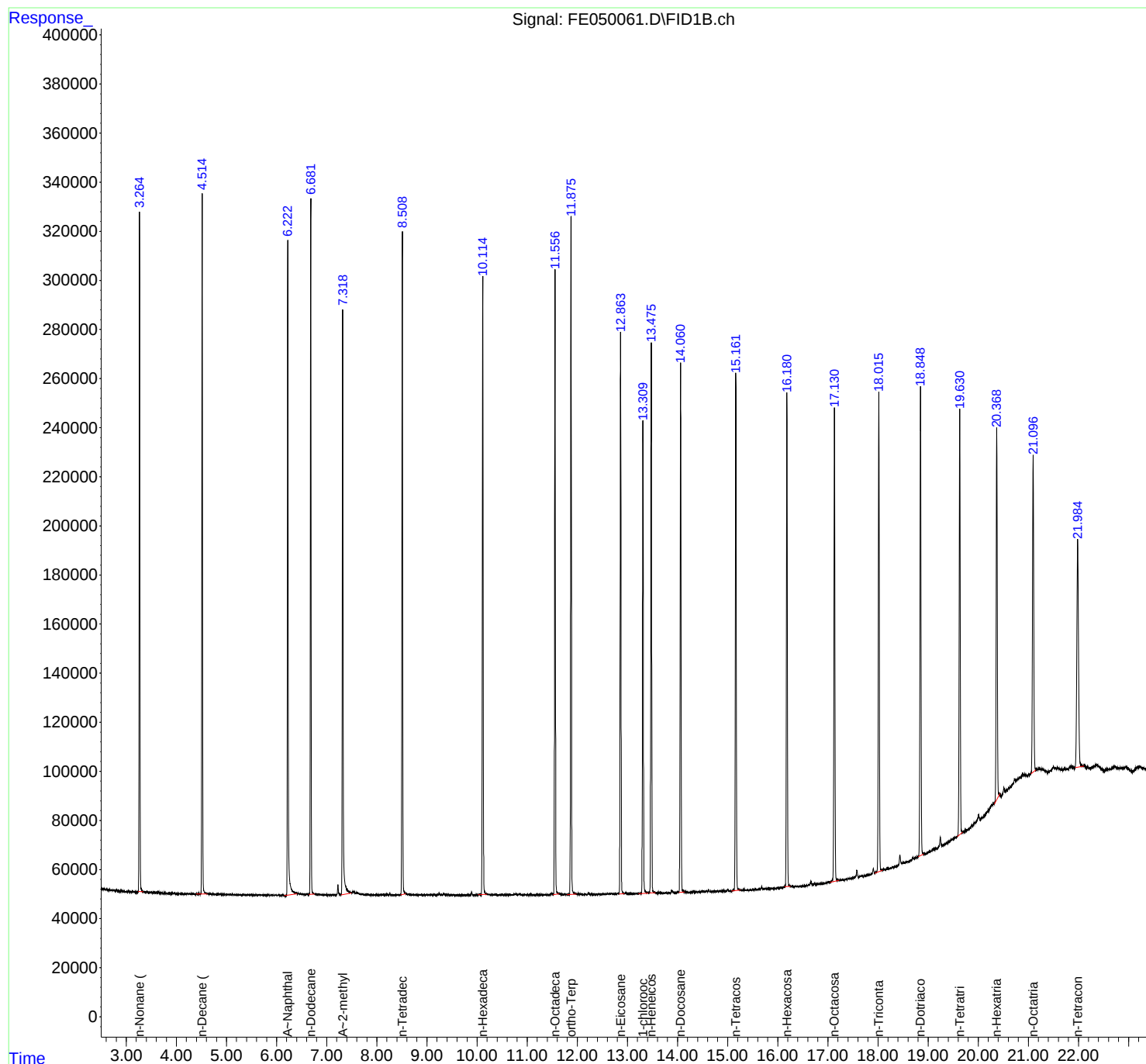
Instrument :
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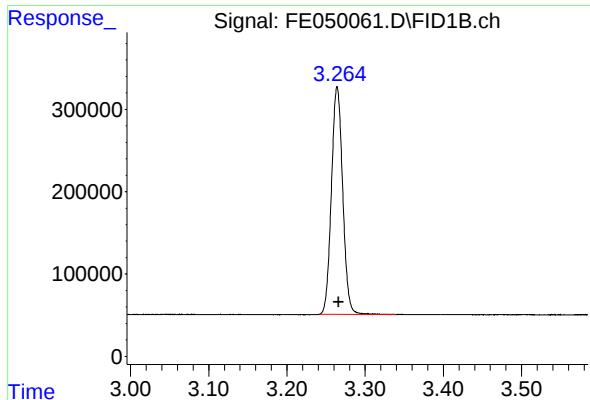
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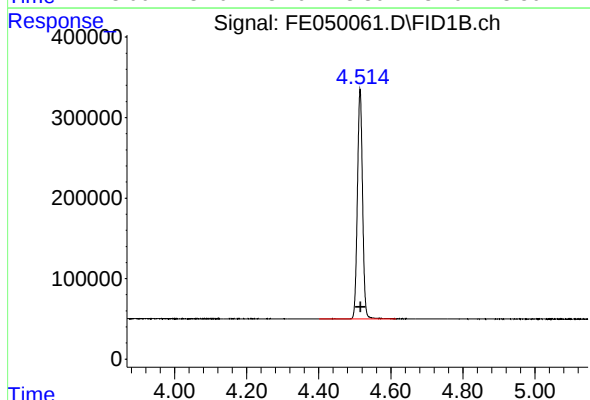
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2770949
Conc: 20.44 ug/ml

Instrument :
FID_E
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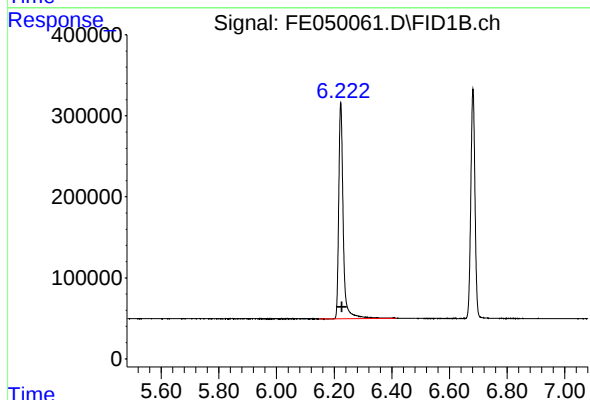
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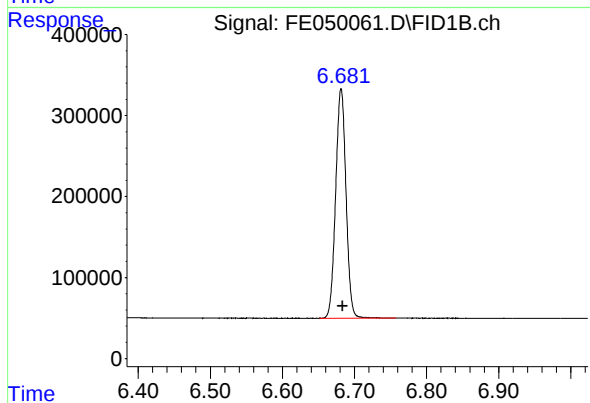
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2827700
Conc: 20.49 ug/ml



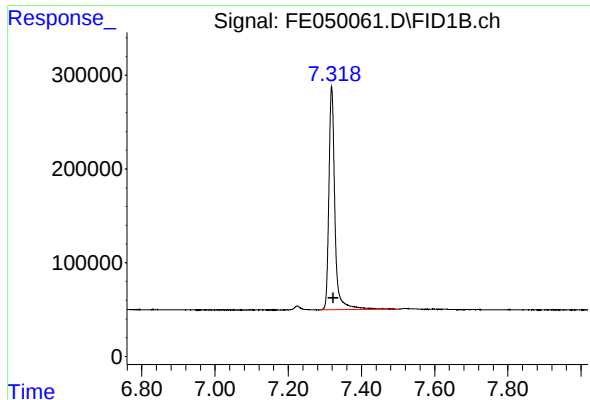
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.004 min
Response: 2896134
Conc: 20.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.681 min
Delta R.T.: -0.002 min
Response: 2829220
Conc: 20.46 ug/ml



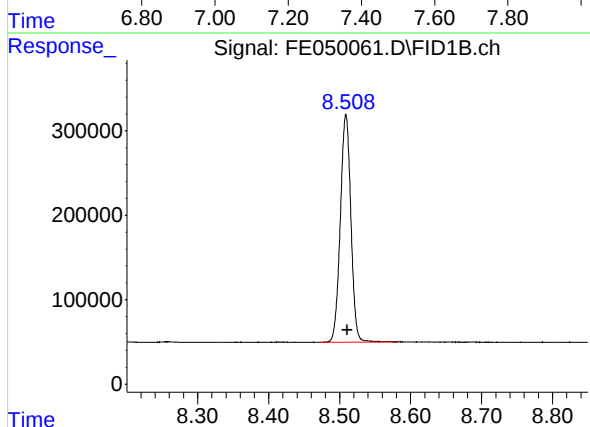
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2711273
Conc: 20.63 ug/ml

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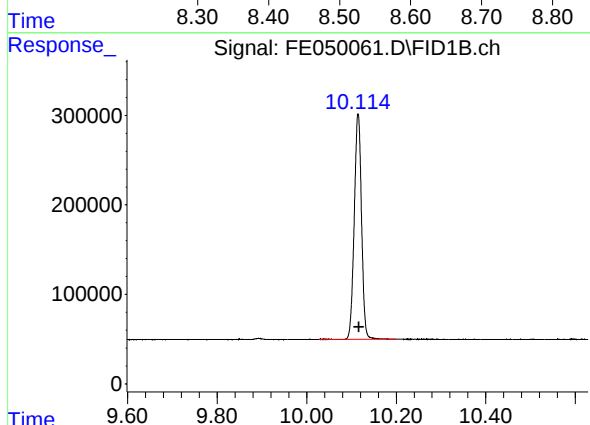
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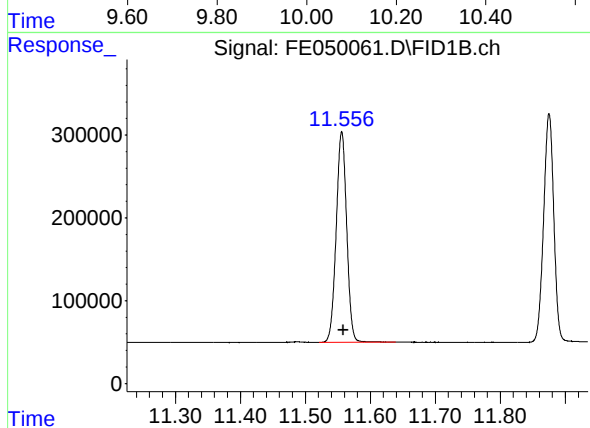
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2779410
Conc: 20.41 ug/ml



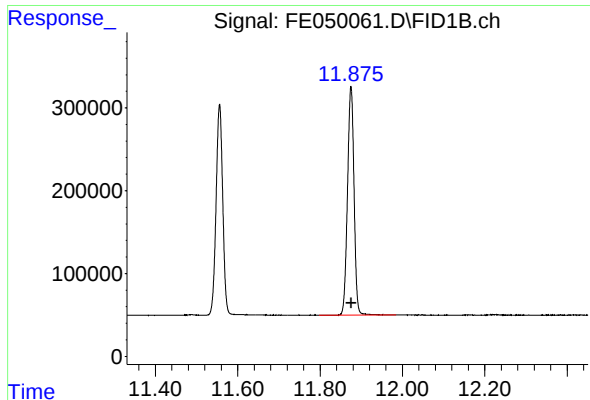
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 2833021
Conc: 20.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.003 min
Response: 2848425
Conc: 20.33 ug/ml



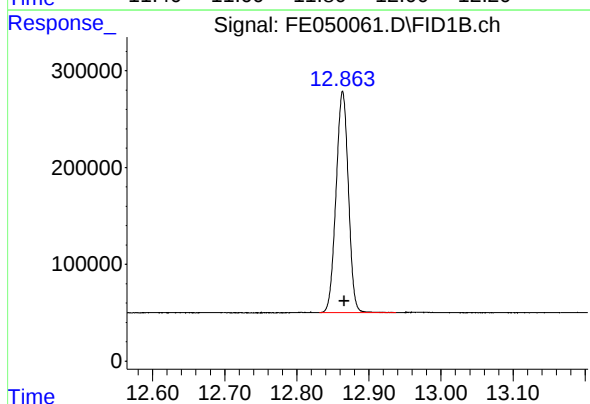
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.001 min
Response: 3021310
Conc: 20.31 ug/ml

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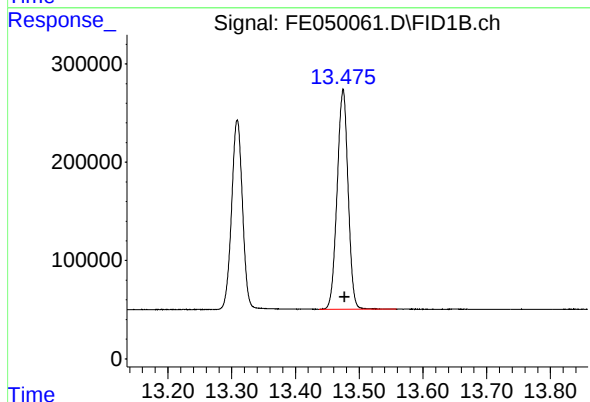
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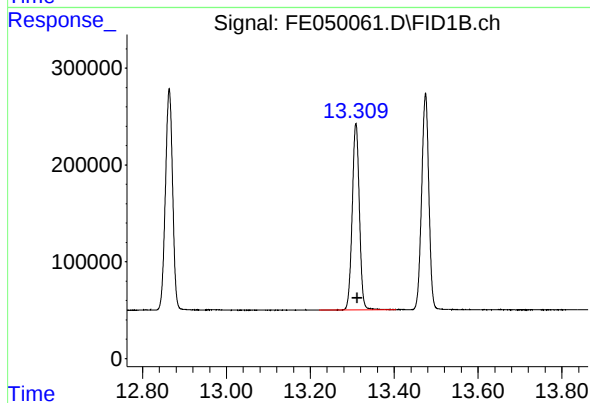
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2720516
Conc: 20.28 ug/ml



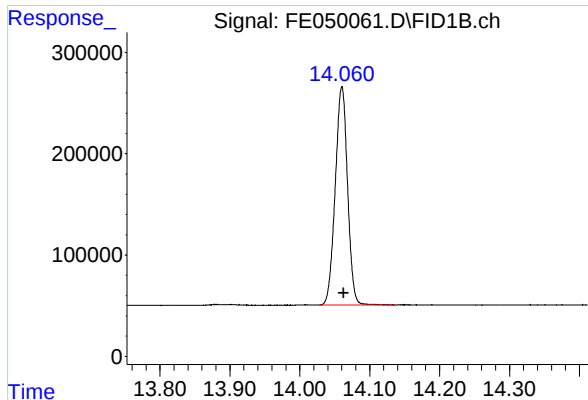
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.003 min
Response: 2667391
Conc: 20.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.003 min
Response: 2292370
Conc: 20.41 ug/ml



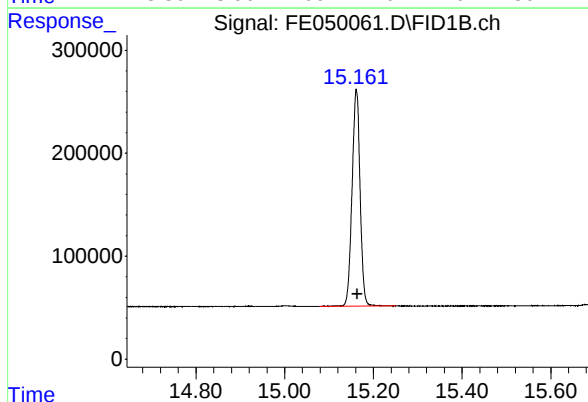
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.003 min
Response: 2640997
Conc: 20.28 ug/ml

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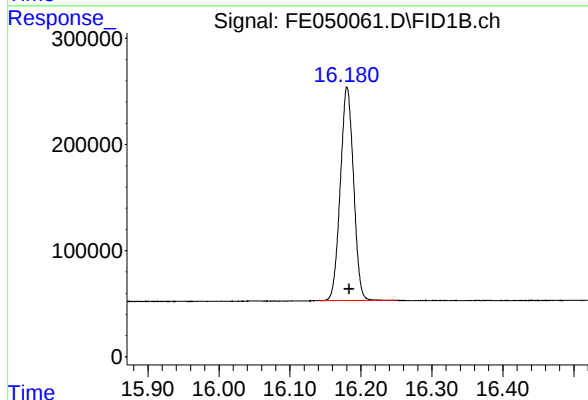
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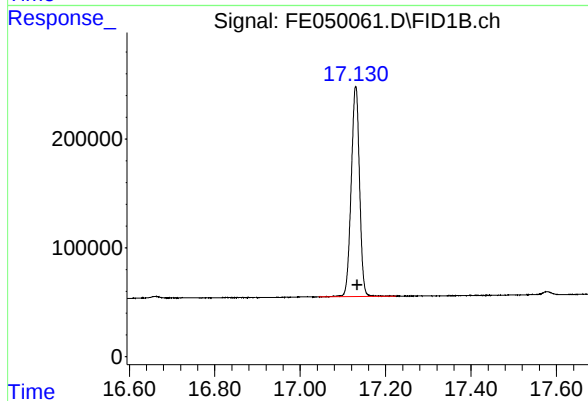
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.003 min
Response: 2641250
Conc: 20.23 ug/ml



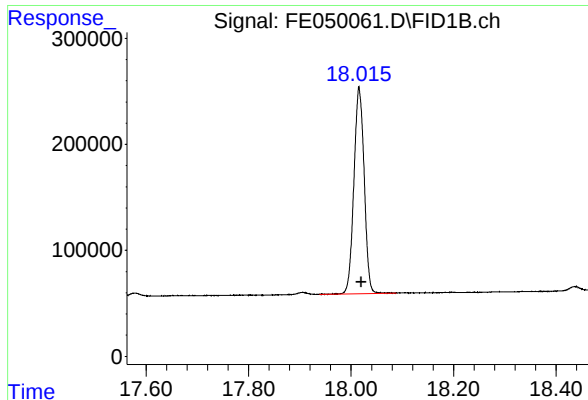
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.003 min
Response: 2598599
Conc: 20.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: -0.003 min
Response: 2619897
Conc: 20.34 ug/ml



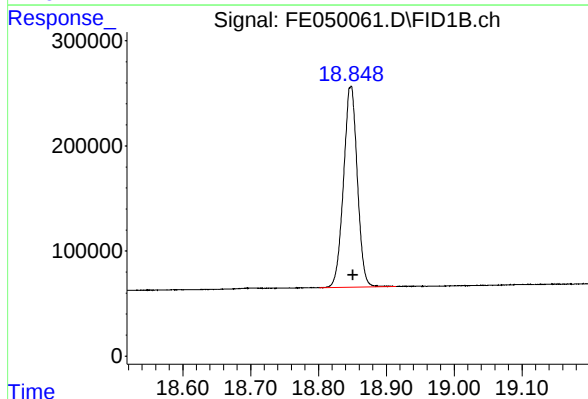
#17 n-Tricontane (C30)

R.T.: 18.016 min
Delta R.T.: -0.004 min
Response: 2711491
Conc: 20.28 ug/ml

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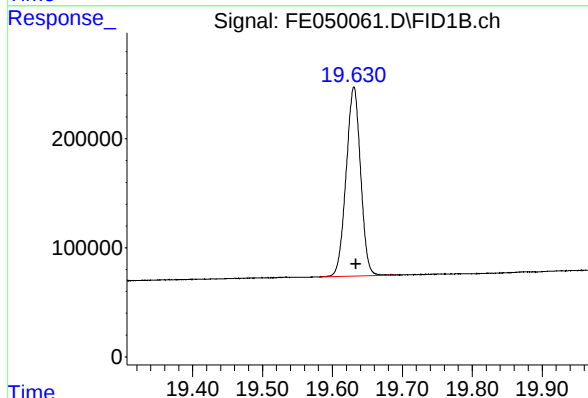
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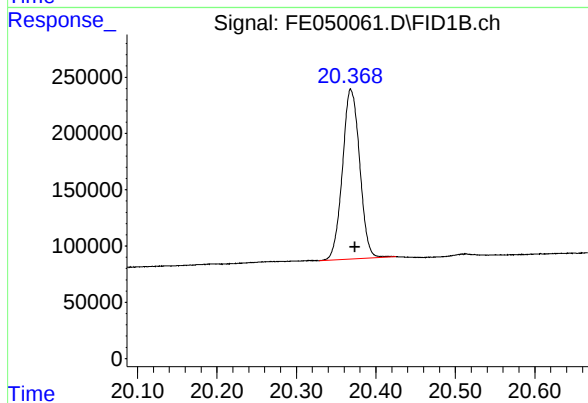
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.003 min
Response: 2691032
Conc: 20.19 ug/ml



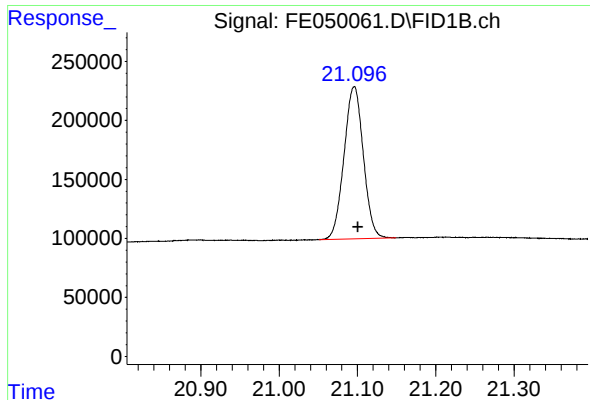
#19 n-Tetratriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.003 min
Response: 2490735
Conc: 20.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.006 min
Response: 2275078
Conc: 20.51 ug/ml m



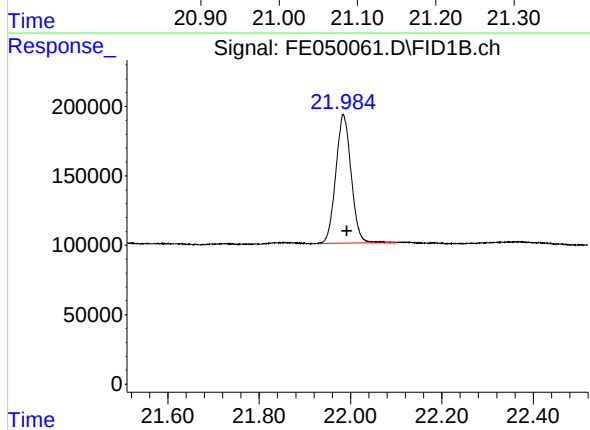
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.005 min
Response: 2209041
Conc: 20.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: -0.008 min
Response: 2147169
Conc: 19.73 ug/ml