

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091624AL\
 Data File : FE050133.D
 Signal(s) : FID1B.ch
 Acq On : 16 Sep 2024 22:25
 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 09/17/2024
 Supervised By :Ankita Jodhani 09/17/2024

Integration File: autoint1.e
 Quant Time: Sep 17 01:41:09 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)	11.876	2829755	19.020 ug/ml
Spiked Amount 50.000		Recovery =	38.04%
12) S 1-chlorooctadecane (S...	13.311	2158712	19.218 ug/ml
Spiked Amount 50.000		Recovery =	38.44%
Target Compounds			
1) T n-Nonane (C9)	3.264	2558900	18.879 ug/ml
2) T n-Decane (C10)	4.515	2637176	19.108 ug/ml
3) T A~Naphthalene (C11.7)	6.224	2708605	19.351 ug/ml
4) T n-Dodecane (C12)	6.682	2644432	19.123 ug/ml
5) T A~2-methylnaphthalene...	7.320	2535953	19.294 ug/ml
6) T n-Tetradecane (C14)	8.509	2612204	19.183 ug/ml
7) T n-Hexadecane (C16)	10.115	2674027	19.251 ug/ml
8) T n-Octadecane (C18)	11.558	2678830	19.121 ug/ml
10) T n-Eicosane (C20)	12.865	2557897	19.068 ug/ml
11) T n-Heneicosane (C21)	13.477	2511169	19.111 ug/ml
13) T n-Docosane (C22)	14.062	2484678	19.081 ug/ml
14) T n-Tetracosane (C24)	15.163	2487846	19.051 ug/ml
15) T n-Hexacosane (C26)	16.183	2447597	19.131 ug/ml
16) T n-Octacosane (C28)	17.132	2485159	19.293 ug/mlm
17) T n-Tricontane (C30)	18.019	2669868	19.966 ug/ml
18) T n-Dotriacontane (C32)	18.850	2703177	20.286 ug/ml
19) T n-Tetratriacontane (C34)	19.634	2506161	20.283 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2306149	20.785 ug/mlm
21) T n-Octatriacontane (C38)	21.100	2170168	19.679 ug/ml
22) T n-Tetracontane (C40)	21.991	1883841	17.312 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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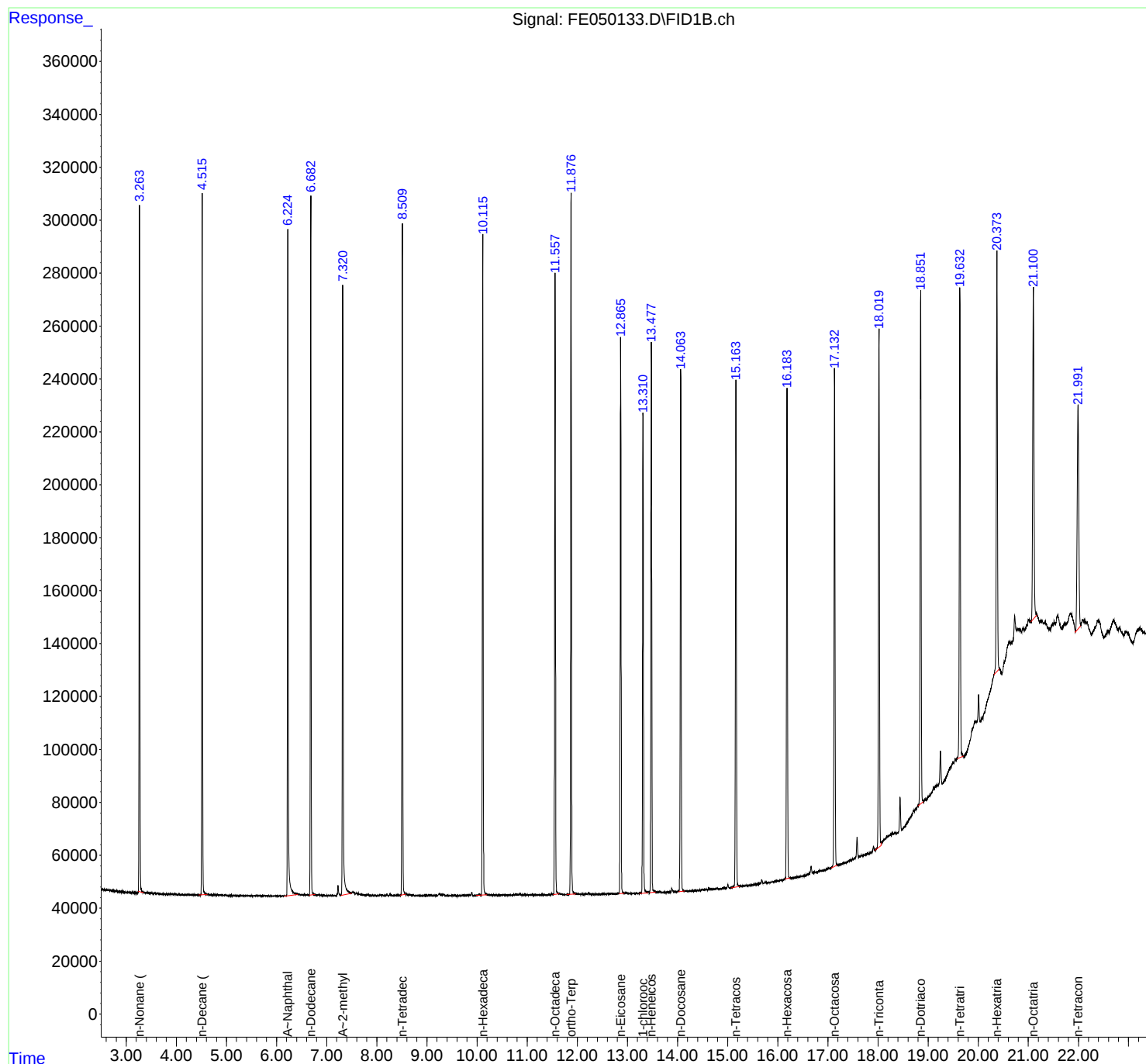
Instrument :
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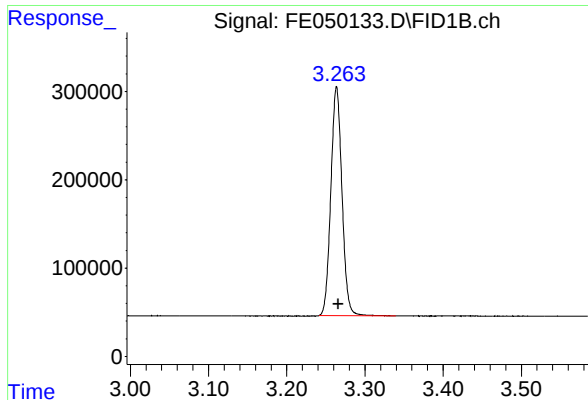
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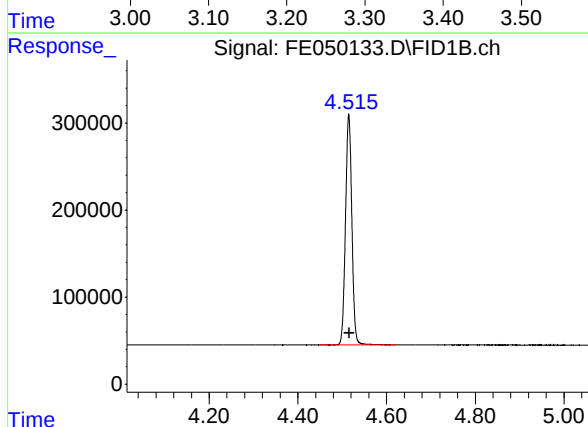
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2558900
Conc: 18.88 ug/ml

Instrument :
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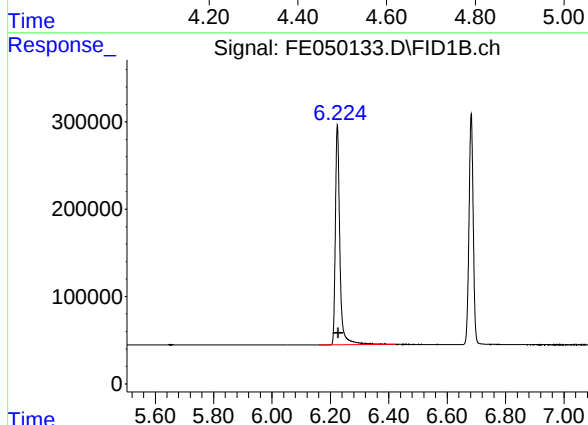
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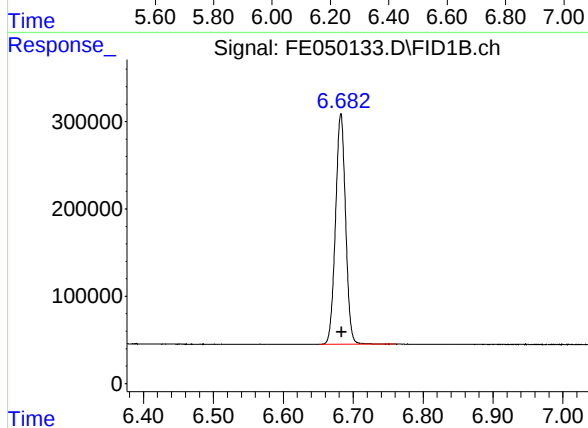
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2637176
Conc: 19.11 ug/ml



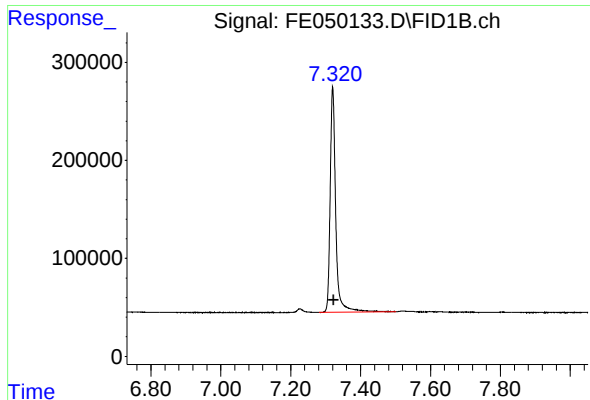
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: -0.003 min
Response: 2708605
Conc: 19.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 2644432
Conc: 19.12 ug/ml



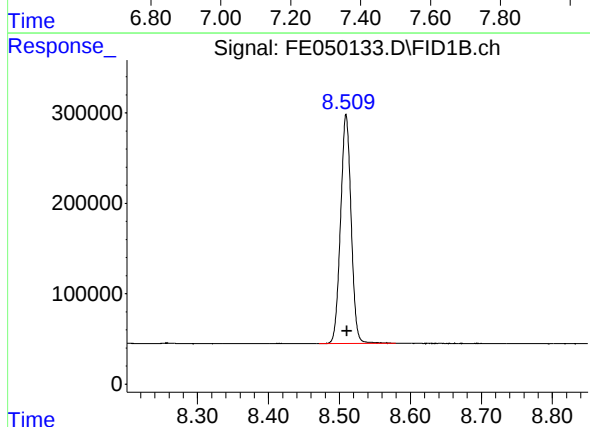
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.320 min
Delta R.T.: -0.003 min
Response: 2535953
Conc: 19.29 ug/ml

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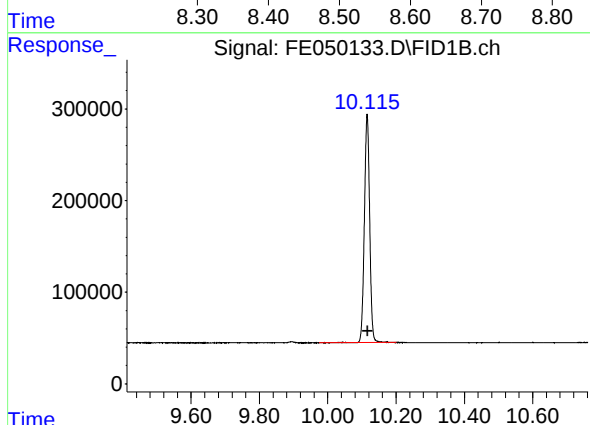
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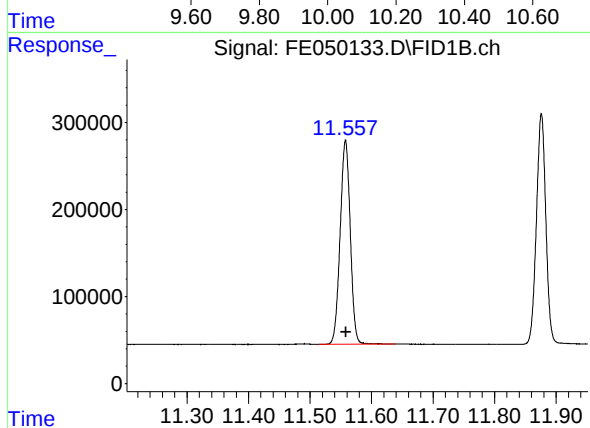
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.001 min
Response: 2612204
Conc: 19.18 ug/ml



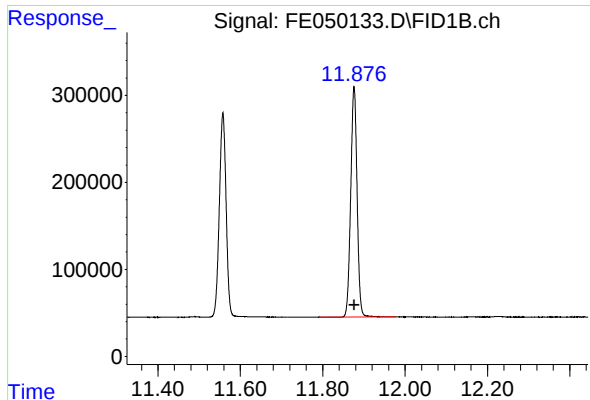
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 2674027
Conc: 19.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.558 min
Delta R.T.: 0.000 min
Response: 2678830
Conc: 19.12 ug/ml



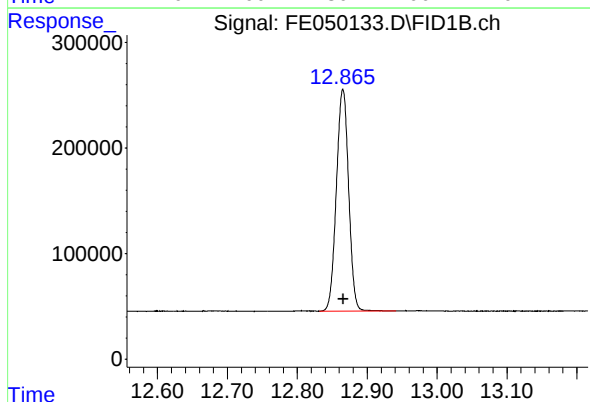
#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: 0.000 min
Response: 2829755
Conc: 19.02 ug/ml

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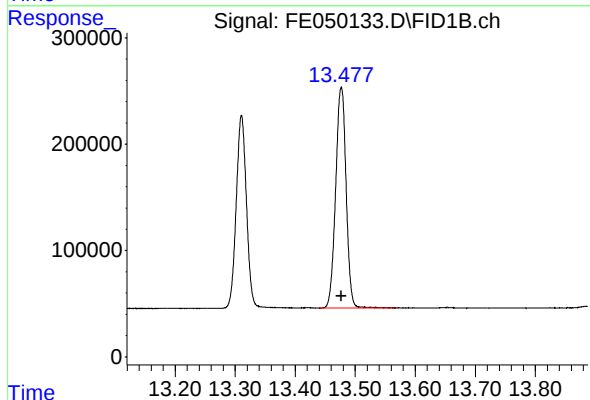
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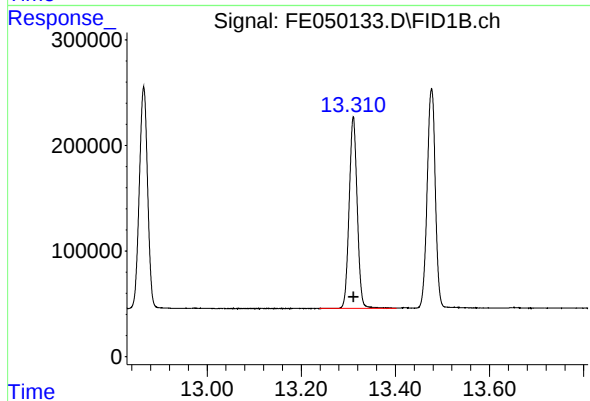
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: 0.000 min
Response: 2557897
Conc: 19.07 ug/ml



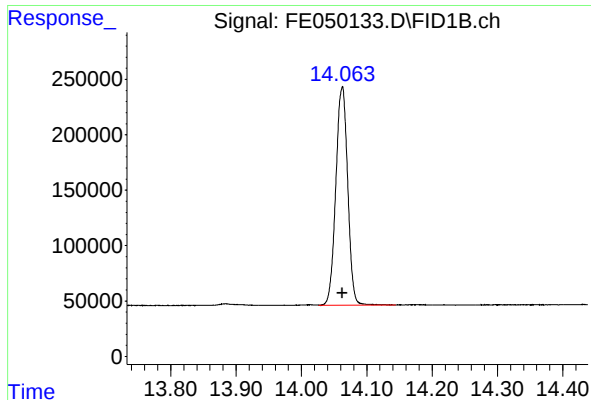
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: 0.000 min
Response: 2511169
Conc: 19.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: 0.000 min
Response: 2158712
Conc: 19.22 ug/ml



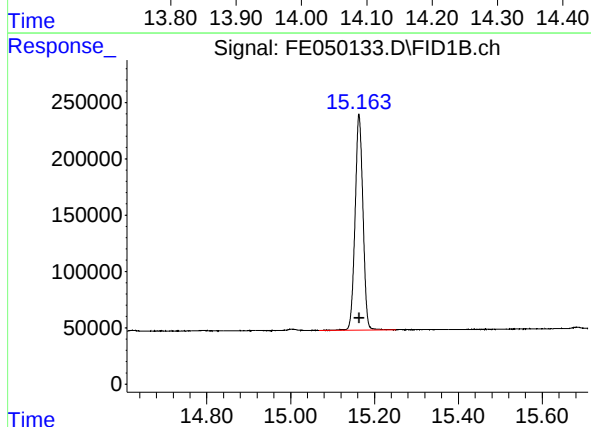
#13 n-Docosane (C22)

R.T.: 14.062 min
Delta R.T.: 0.000 min
Response: 2484678
Conc: 19.08 ug/ml

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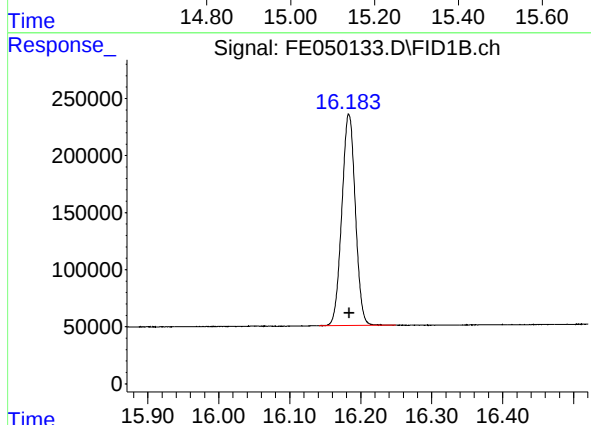
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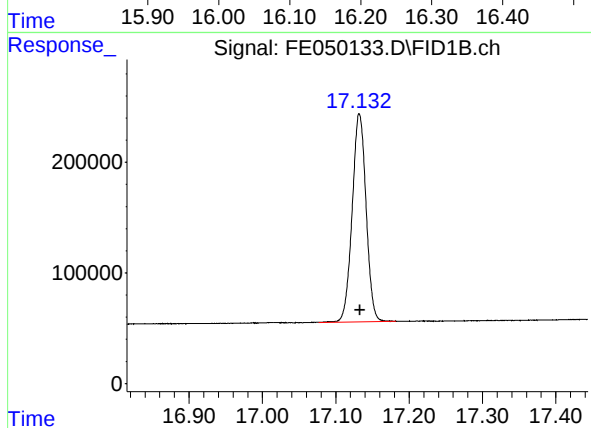
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: 0.000 min
Response: 2487846
Conc: 19.05 ug/ml



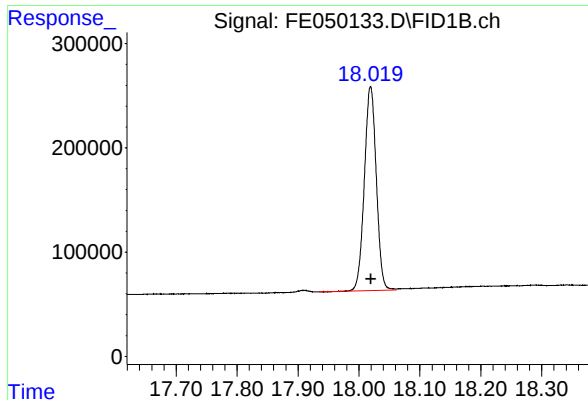
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: 0.000 min
Response: 2447597
Conc: 19.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.002 min
Response: 2485159
Conc: 19.29 ug/ml m



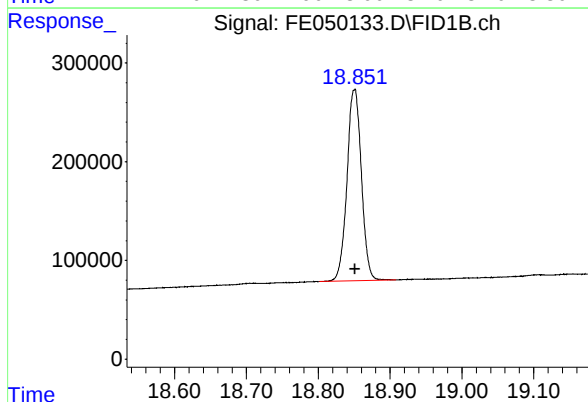
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: 0.000 min
Response: 2669868
Conc: 19.97 ug/ml

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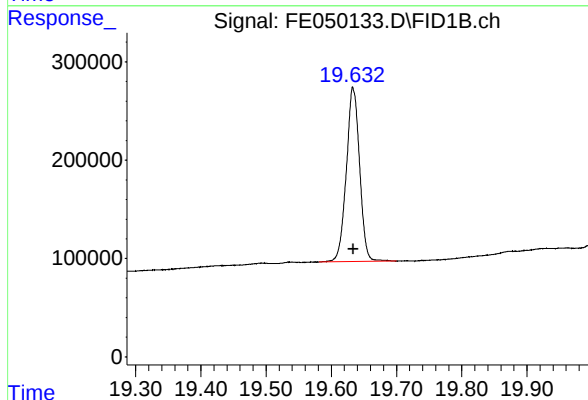
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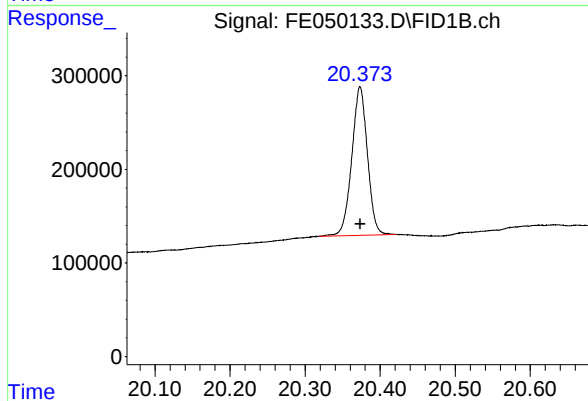
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: 0.000 min
Response: 2703177
Conc: 20.29 ug/ml



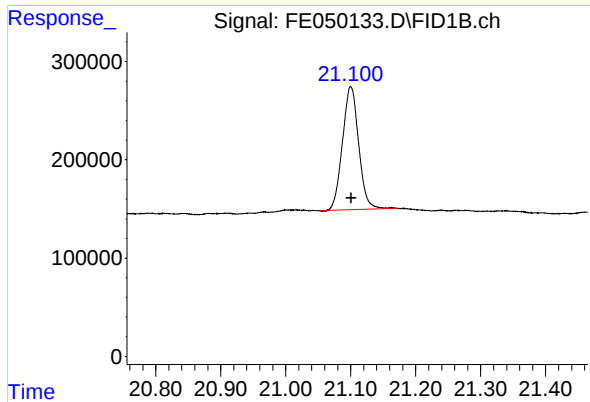
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: 0.000 min
Response: 2506161
Conc: 20.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.001 min
Response: 2306149
Conc: 20.79 ug/ml m



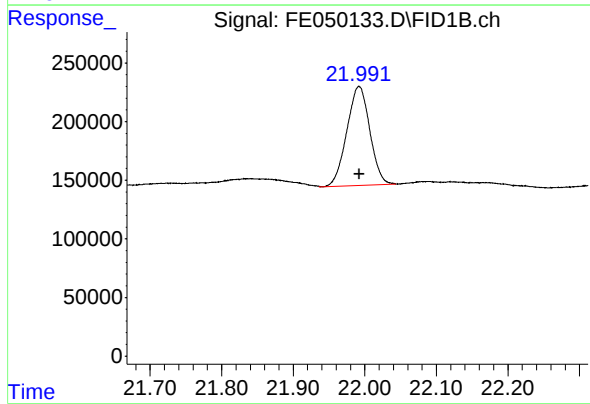
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: 0.000 min
Response: 2170168
Conc: 19.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: -0.001 min
Response: 1883841
Conc: 17.31 ug/ml m