

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053124AL\
 Data File : FE048473.D
 Signal(s) : FID1B.ch
 Acq On : 31 May 2024 12:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/03/2024
 Supervised By :Ankita Jodhani 06/03/2024

Integration File: autoint1.e
 Quant Time: Jun 01 02:34:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.950	2733133	19.033 ug/ml
Spiked Amount 50.000		Recovery =	38.07%
12) S 1-chlorooctadecane (S...	13.384	2067739	18.980 ug/ml
Spiked Amount 50.000		Recovery =	37.96%
Target Compounds			
1) T n-Nonane (C9)	3.338	2814588	18.826 ug/ml
2) T n-Decane (C10)	4.587	2867529	18.990 ug/ml
3) T A~Naphthalene (C11.7)	6.293	2834598	19.037 ug/ml
4) T n-Dodecane (C12)	6.752	2806821	18.962 ug/ml
5) T A~2-methylnaphthalene...	7.389	2648909	19.104 ug/ml
6) T n-Tetradecane (C14)	8.581	2686580	18.942 ug/ml
7) T n-Hexadecane (C16)	10.188	2683681	19.036 ug/ml
8) T n-Octadecane (C18)	11.630	2642781	19.028 ug/ml
10) T n-Eicosane (C20)	12.939	2517463	19.023 ug/ml
11) T n-Heneicosane (C21)	13.551	2460117	18.993 ug/ml
13) T n-Docosane (C22)	14.137	2440826	18.941 ug/ml
14) T n-Tetracosane (C24)	15.239	2463352	19.015 ug/ml
15) T n-Hexacosane (C26)	16.258	2474676	19.094 ug/ml
16) T n-Octacosane (C28)	17.206	2508855	19.410 ug/ml
17) T n-Tricontane (C30)	18.093	2680499	20.009 ug/ml
18) T n-Dotriacontane (C32)	18.925	2747008	20.237 ug/mlm
19) T n-Tetratriacontane (C34)	19.707	2748505	20.091 ug/mlm
20) T n-Hexatriacontane (C36)	20.448	2713283	19.960 ug/ml
21) T n-Octatriacontane (C38)	21.185	2688697	19.716 ug/ml
22) T n-Tetracontane (C40)	22.105	2643444	19.306 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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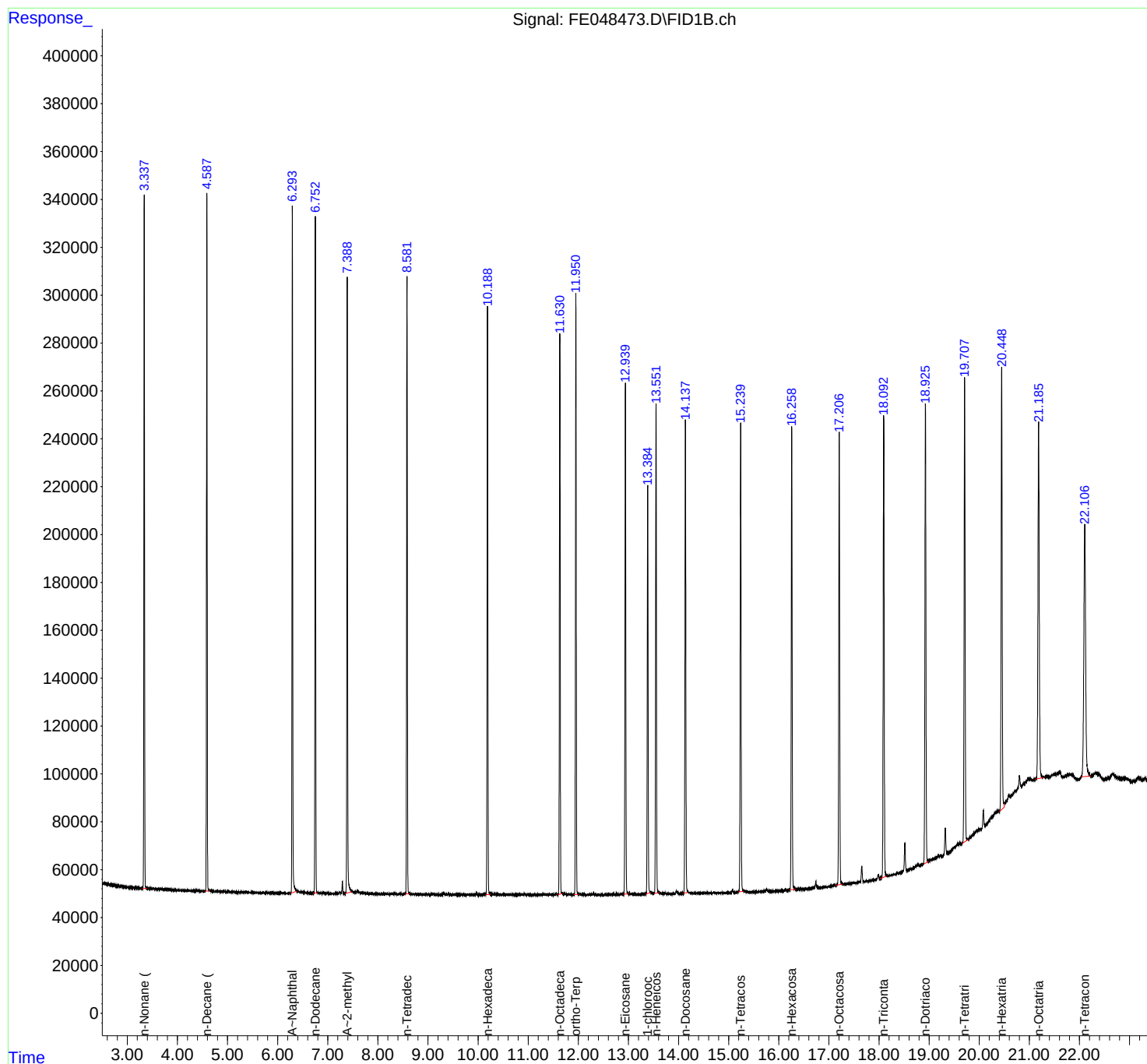
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20 PPM ALIPHATIC HC STD

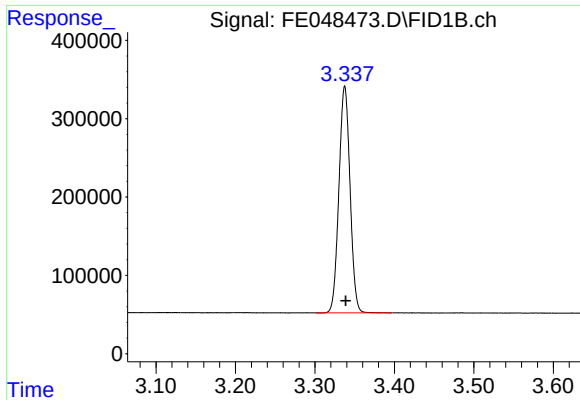
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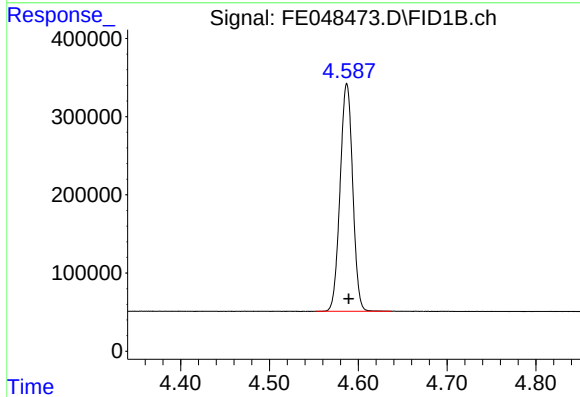
#1 n-Nonane (C9)

R.T.: 3.338 min
Delta R.T.: -0.001 min
Response: 2814588
Conc: 18.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

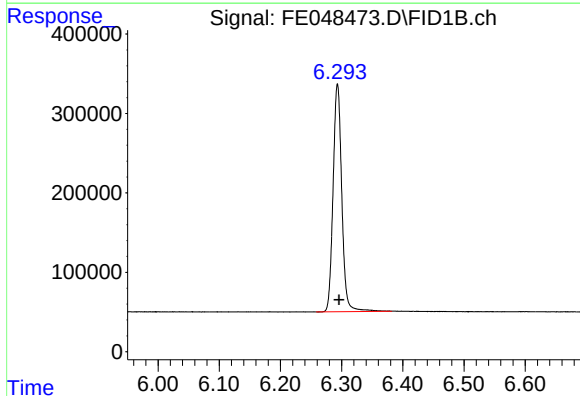
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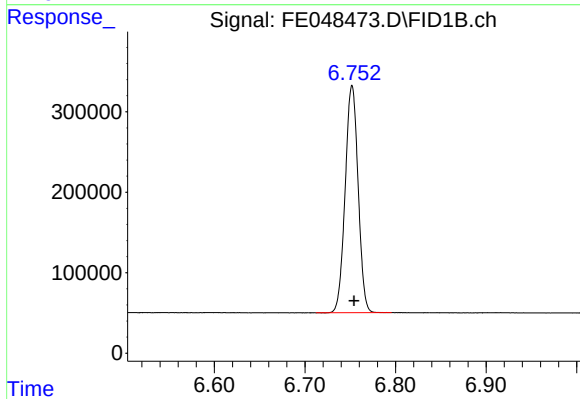
#2 n-Decane (C10)

R.T.: 4.587 min
Delta R.T.: -0.002 min
Response: 2867529
Conc: 18.99 ug/ml



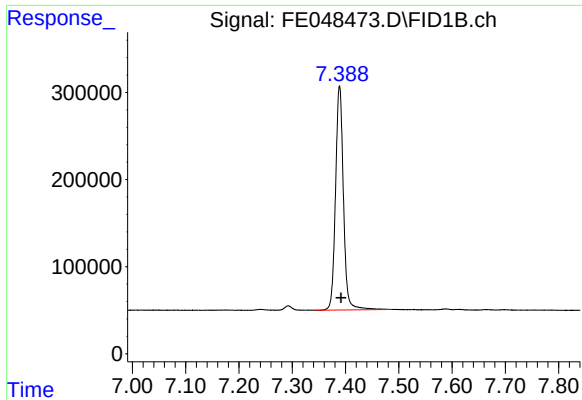
#3 A~Naphthalene (C11.7)

R.T.: 6.293 min
Delta R.T.: -0.003 min
Response: 2834598
Conc: 19.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 2806821
Conc: 18.96 ug/ml



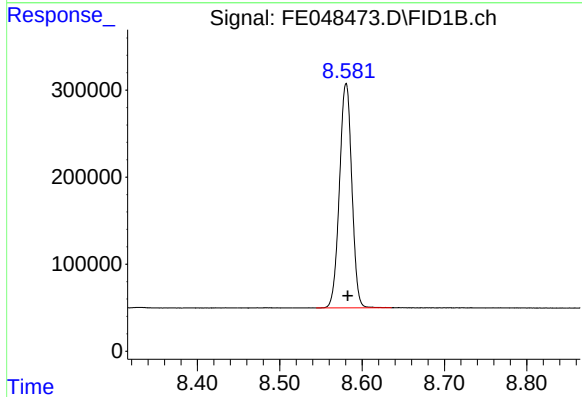
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.389 min
Delta R.T.: -0.003 min
Response: 2648909
Conc: 19.10 ug/ml

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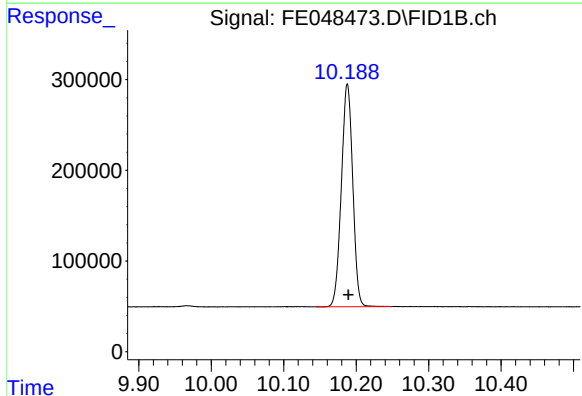
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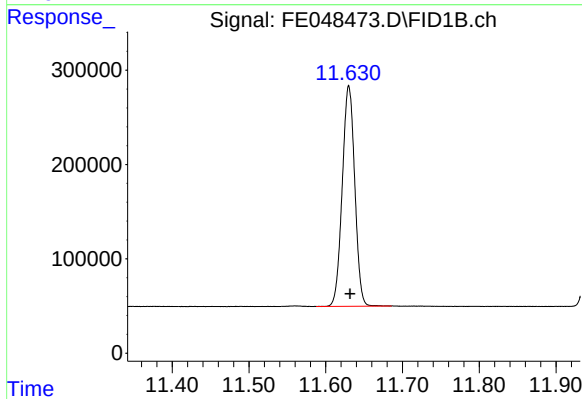
#6 n-Tetradecane (C14)

R.T.: 8.581 min
Delta R.T.: -0.002 min
Response: 2686580
Conc: 18.94 ug/ml



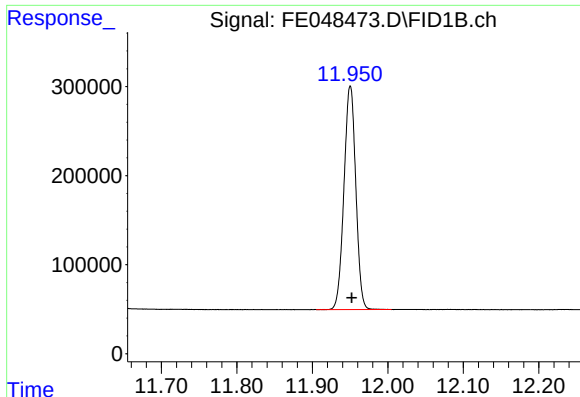
#7 n-Hexadecane (C16)

R.T.: 10.188 min
Delta R.T.: -0.001 min
Response: 2683681
Conc: 19.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.630 min
Delta R.T.: -0.002 min
Response: 2642781
Conc: 19.03 ug/ml



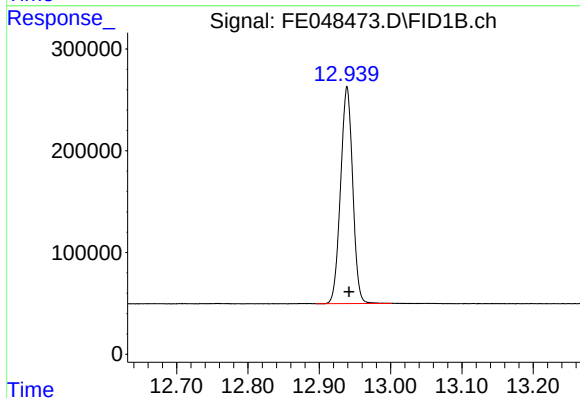
#9 ortho-Terphenyl (SURR)

R.T.: 11.950 min
Delta R.T.: -0.002 min
Response: 2733133
Conc: 19.03 ug/ml

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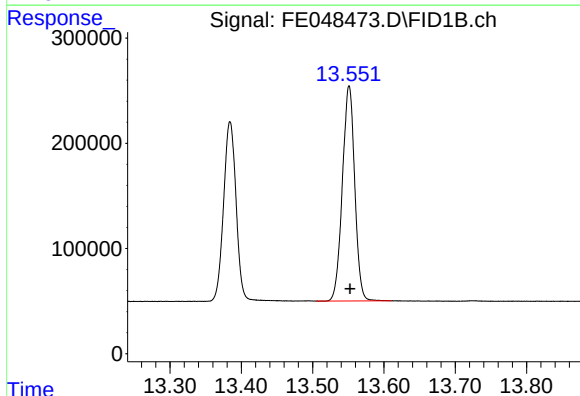
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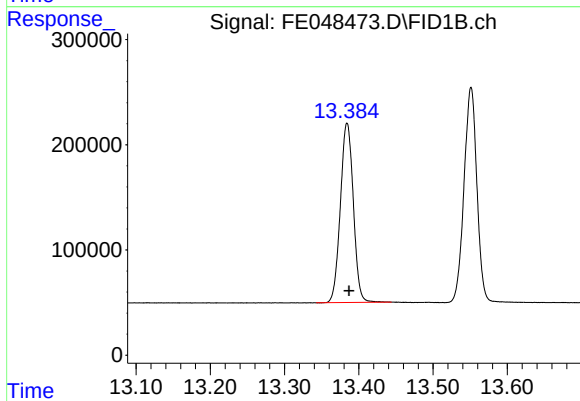
#10 n-Eicosane (C20)

R.T.: 12.939 min
Delta R.T.: -0.003 min
Response: 2517463
Conc: 19.02 ug/ml



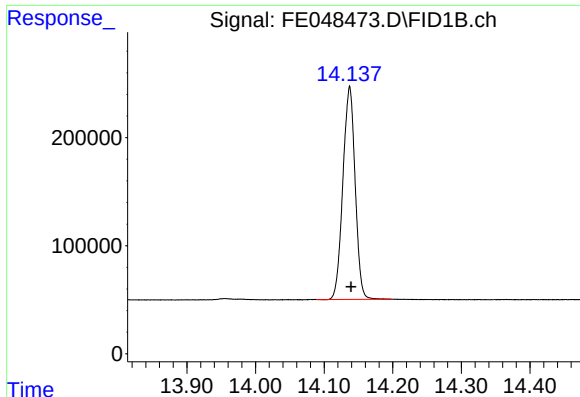
#11 n-Heneicosane (C21)

R.T.: 13.551 min
Delta R.T.: -0.002 min
Response: 2460117
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min
Delta R.T.: -0.003 min
Response: 2067739
Conc: 18.98 ug/ml



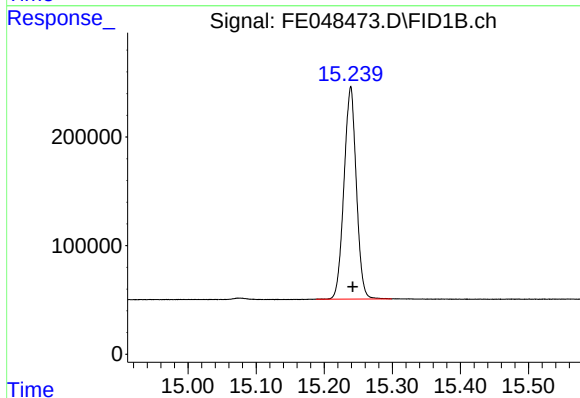
#13 n-Docosane (C22)

R.T.: 14.137 min
Delta R.T.: -0.002 min
Response: 2440826
Conc: 18.94 ug/ml

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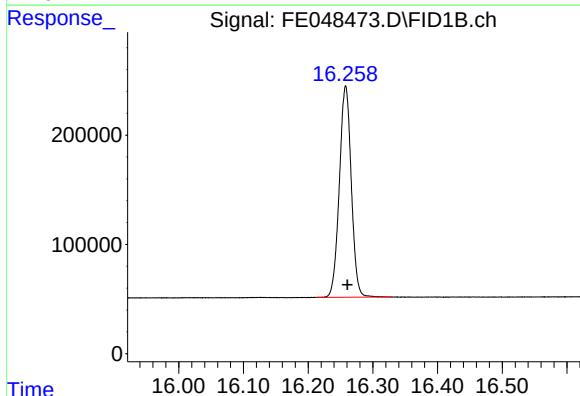
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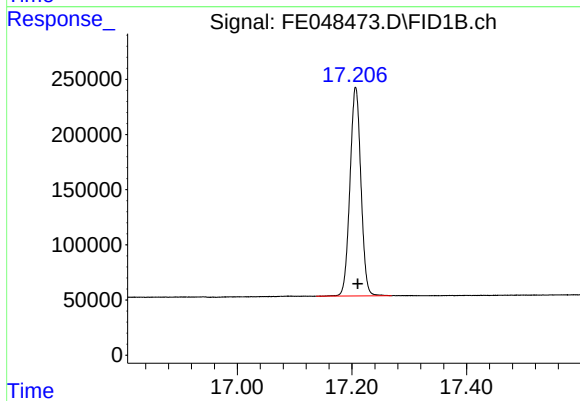
#14 n-Tetracosane (C24)

R.T.: 15.239 min
Delta R.T.: -0.003 min
Response: 2463352
Conc: 19.01 ug/ml



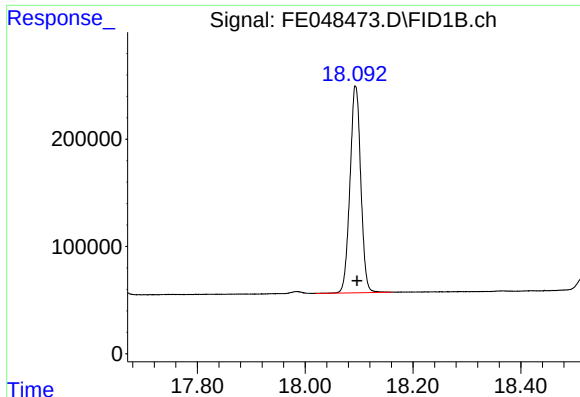
#15 n-Hexacosane (C26)

R.T.: 16.258 min
Delta R.T.: -0.003 min
Response: 2474676
Conc: 19.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.206 min
Delta R.T.: -0.004 min
Response: 2508855
Conc: 19.41 ug/ml



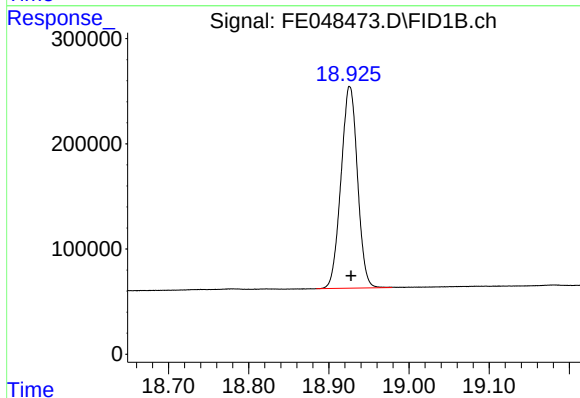
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.003 min
Response: 2680499
Conc: 20.01 ug/ml

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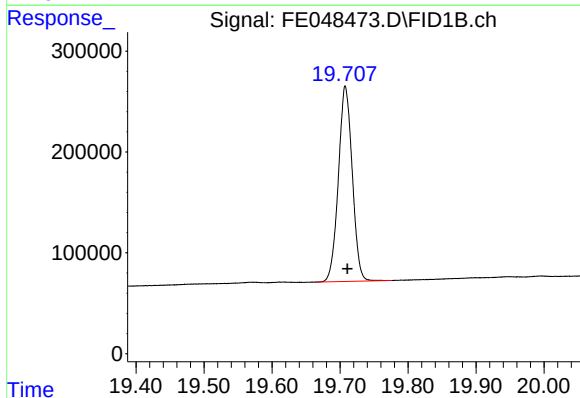
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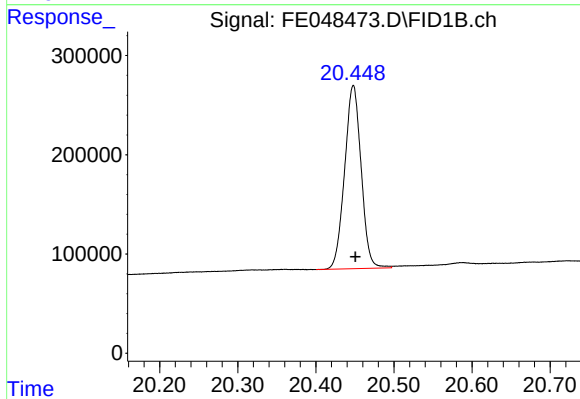
#18 n-Dotriacontane (C32)

R.T.: 18.925 min
Delta R.T.: -0.003 min
Response: 2747008
Conc: 20.24 ug/ml m



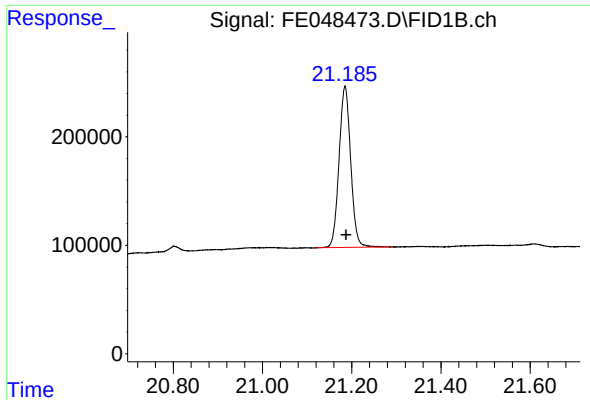
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.004 min
Response: 2748505
Conc: 20.09 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.002 min
Response: 2713283
Conc: 19.96 ug/ml



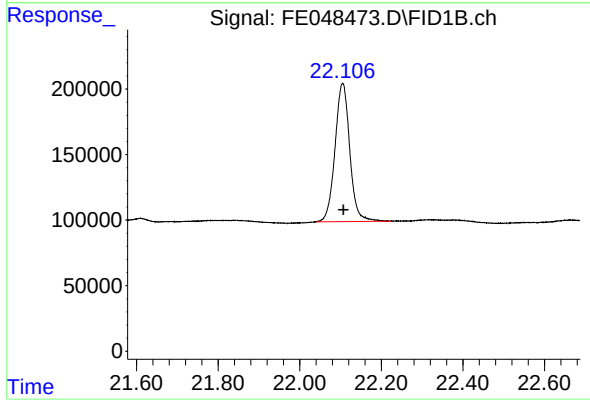
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: -0.003 min
Response: 2688697
Conc: 19.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: -0.002 min
Response: 2643444
Conc: 19.31 ug/ml