

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040725AL\
 Data File : FE053206.D
 Signal(s) : FID1B.ch
 Acq On : 07 Apr 2025 10:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e
 Quant Time: Apr 08 01:19:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 2025
 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)	11.899	3230229	19.832 ug/ml
Spiked Amount 50.000		Recovery =	39.66%
12) S 1-chlorooctadecane (S...	13.343	2229811	18.575 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
Target Compounds			
1) T n-Nonane (C9)	3.240	3053107	19.718 ug/ml
2) T n-Decane (C10)	4.501	3185938	20.311 ug/ml
3) T A~Naphthalene (C11.7)	6.215	3351461	19.950 ug/ml
4) T n-Dodecane (C12)	6.682	3168251	20.258 ug/ml
5) T A~2-methylnaphthalene...	7.318	3175715	19.903 ug/ml
6) T n-Tetradecane (C14)	8.519	3096342	20.222 ug/ml
7) T n-Hexadecane (C16)	10.134	3139495	20.367 ug/ml
8) T n-Octadecane (C18)	11.582	3080417	20.311 ug/ml
10) T n-Eicosane (C20)	12.897	2877663	20.183 ug/ml
11) T n-Heneicosane (C21)	13.511	2799661	20.175 ug/ml
13) T n-Docosane (C22)	14.099	2778838	20.290 ug/ml
14) T n-Tetracosane (C24)	15.206	2765244	20.474 ug/ml
15) T n-Hexacosane (C26)	16.231	2729195	20.458 ug/ml
16) T n-Octacosane (C28)	17.185	2735581	20.729 ug/ml
17) T n-Tricontane (C30)	18.076	2926204	21.589 ug/ml
18) T n-Dotriacontane (C32)	18.912	2860804	21.260 ug/ml
19) T n-Tetratriacontane (C34)	19.698	2504564	19.356 ug/mlm
20) T n-Hexatriacontane (C36)	20.441	2047072	17.233 ug/mlm
21) T n-Octatriacontane (C38)	21.182	2069164	18.003 ug/ml
22) T n-Tetracontane (C40)	22.100	2123848	18.910 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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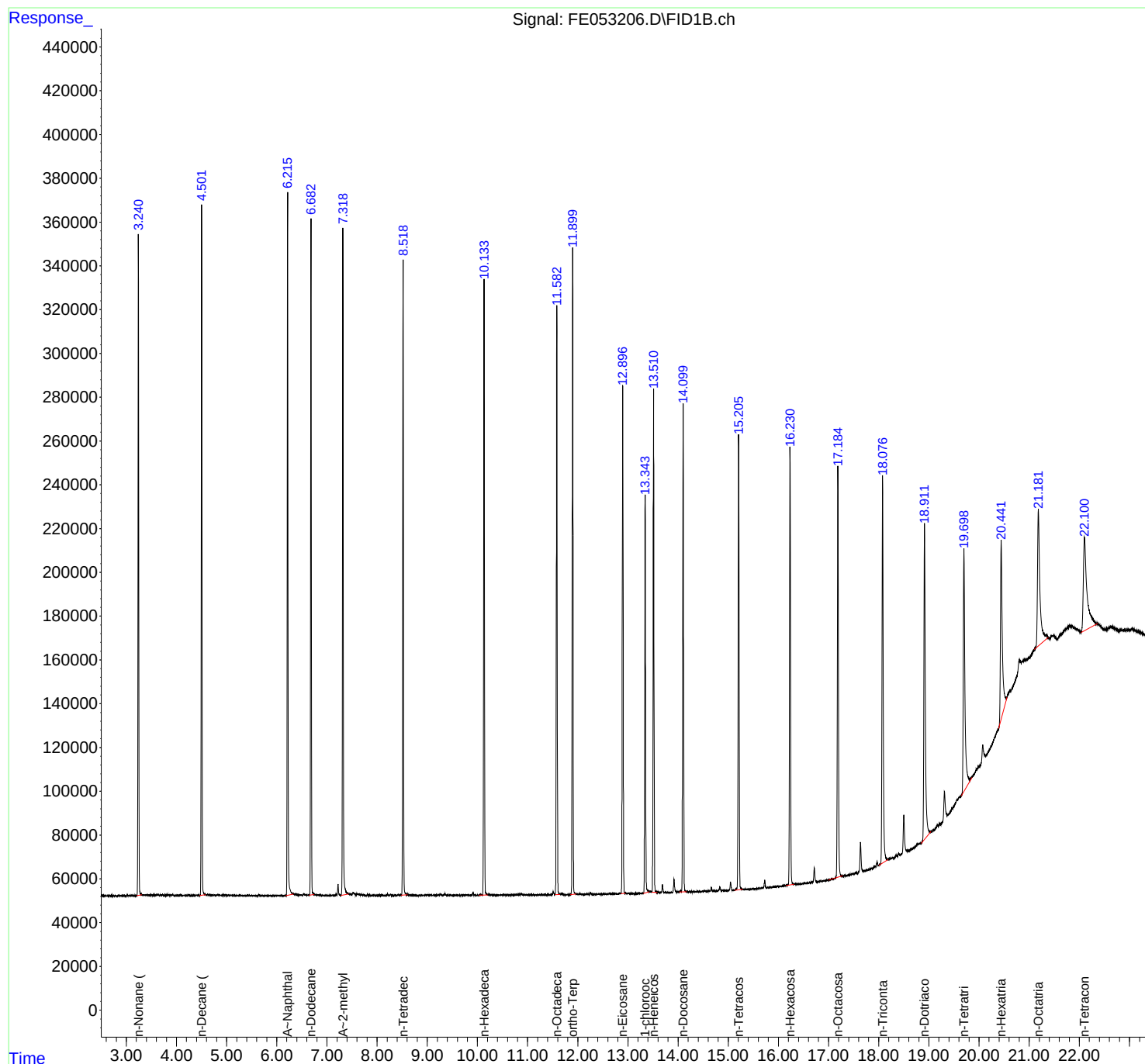
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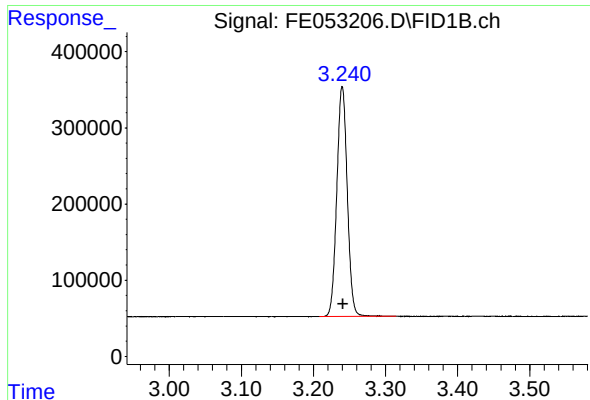
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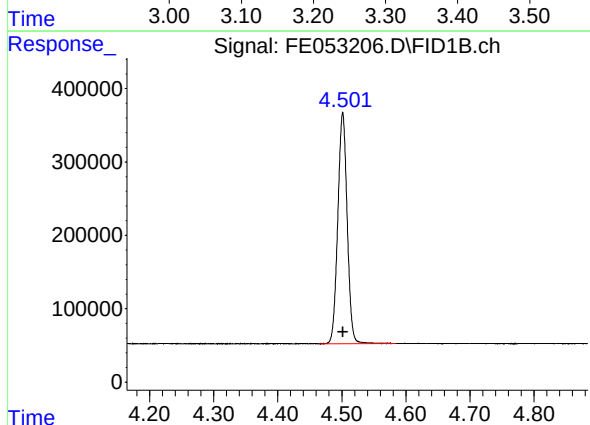
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: 0.000 min
Response: 3053107
Conc: 19.72 ug/ml

Instrument :
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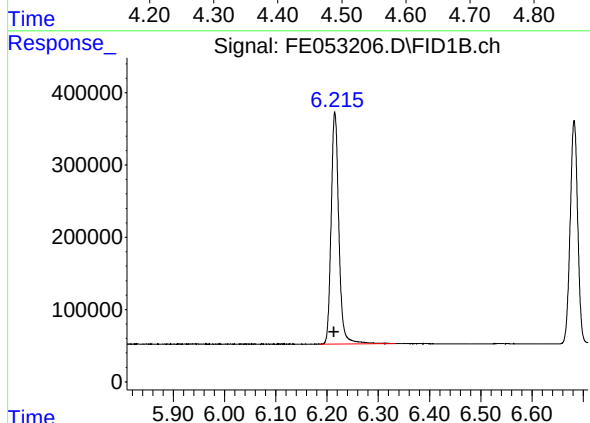
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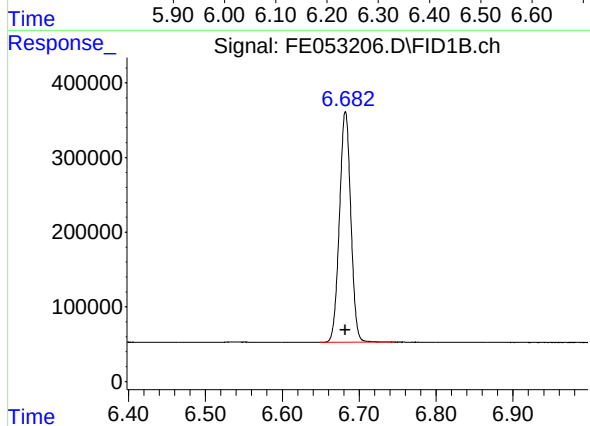
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 3185938
Conc: 20.31 ug/ml



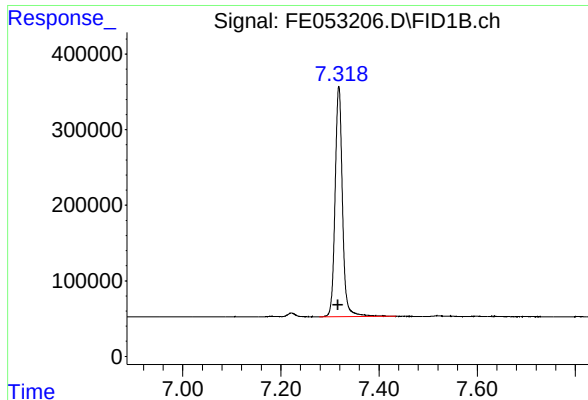
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.001 min
Response: 3351461
Conc: 19.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 3168251
Conc: 20.26 ug/ml



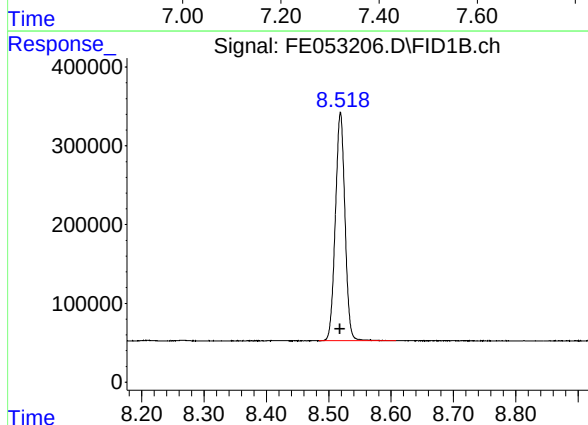
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: 0.002 min
Response: 3175715
Conc: 19.90 ug/ml

Instrument : FID_E
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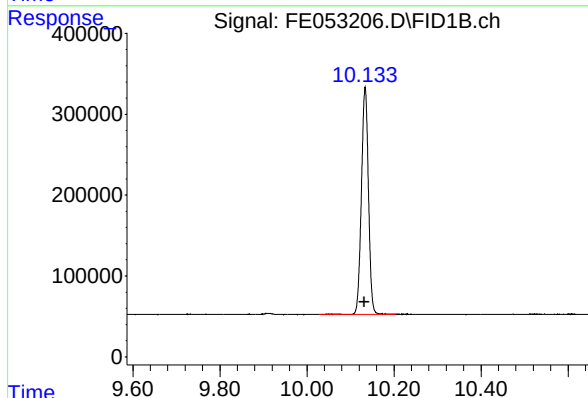
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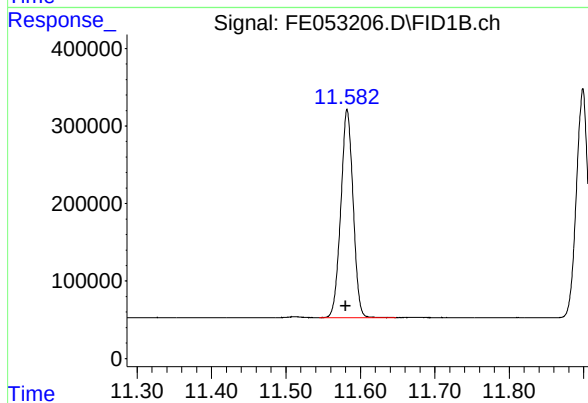
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 3096342
Conc: 20.22 ug/ml



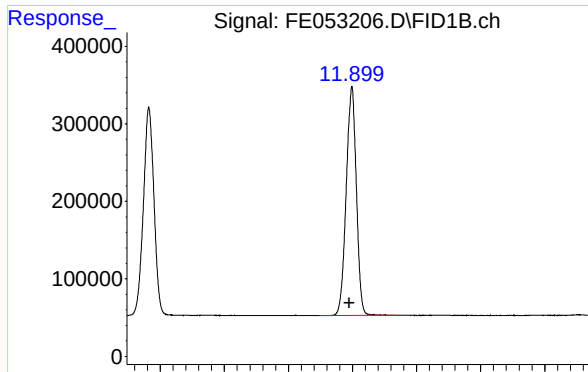
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: 0.002 min
Response: 3139495
Conc: 20.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.582 min
Delta R.T.: 0.002 min
Response: 3080417
Conc: 20.31 ug/ml



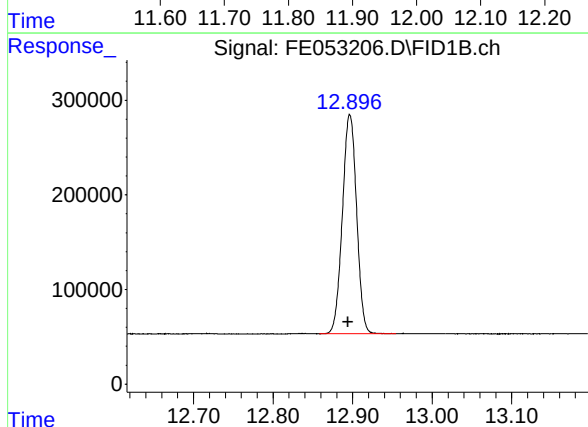
#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: 0.004 min
Response: 3230229
Conc: 19.83 ug/ml

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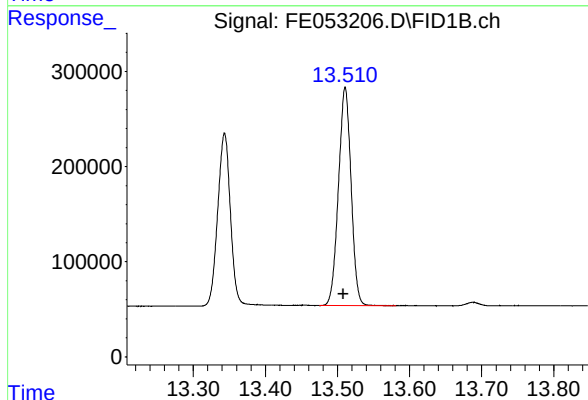
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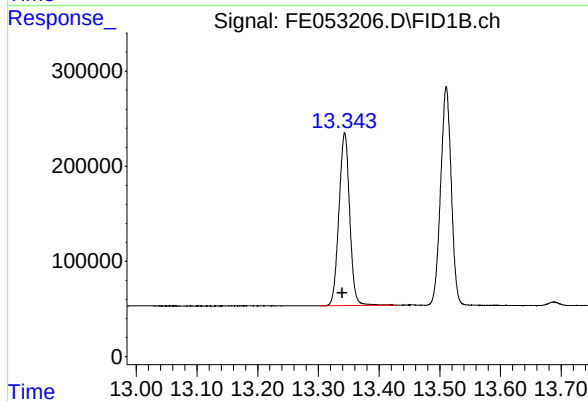
#10 n-Eicosane (C20)

R.T.: 12.897 min
Delta R.T.: 0.002 min
Response: 2877663
Conc: 20.18 ug/ml



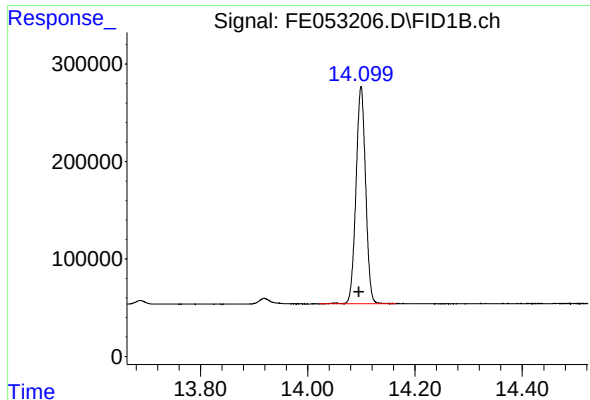
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: 0.003 min
Response: 2799661
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.343 min
Delta R.T.: 0.004 min
Response: 2229811
Conc: 18.57 ug/ml



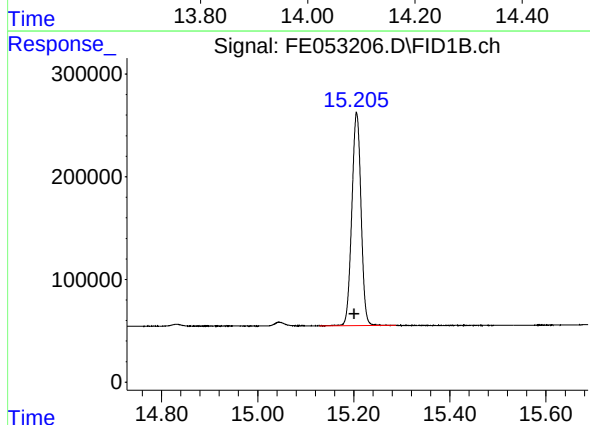
#13 n-Docosane (C22)

R.T.: 14.099 min
Delta R.T.: 0.004 min
Response: 2778838
Conc: 20.29 ug/ml

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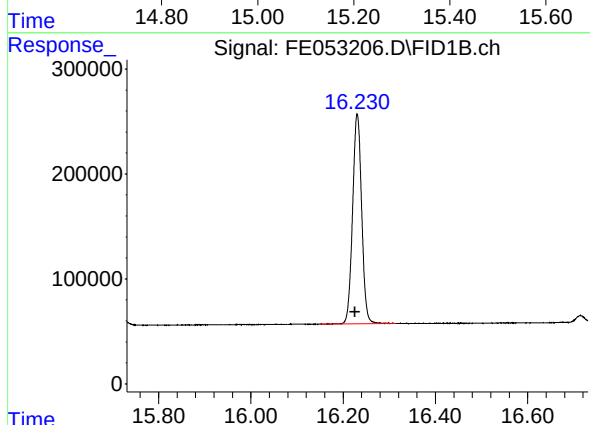
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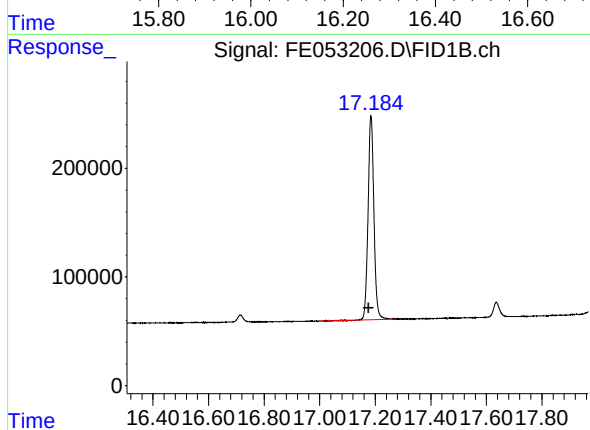
#14 n-Tetracosane (C24)

R.T.: 15.206 min
Delta R.T.: 0.005 min
Response: 2765244
Conc: 20.47 ug/ml



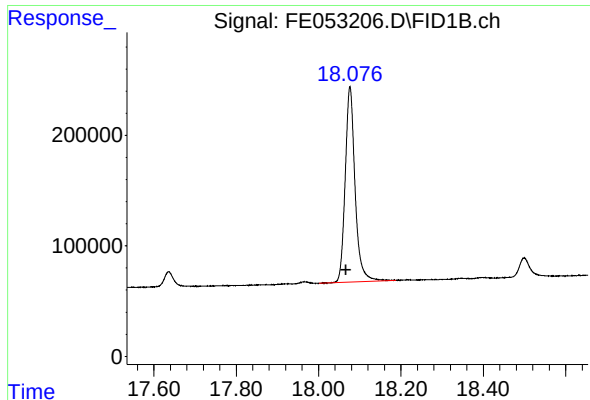
#15 n-Hexacosane (C26)

R.T.: 16.231 min
Delta R.T.: 0.005 min
Response: 2729195
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.185 min
Delta R.T.: 0.008 min
Response: 2735581
Conc: 20.73 ug/ml



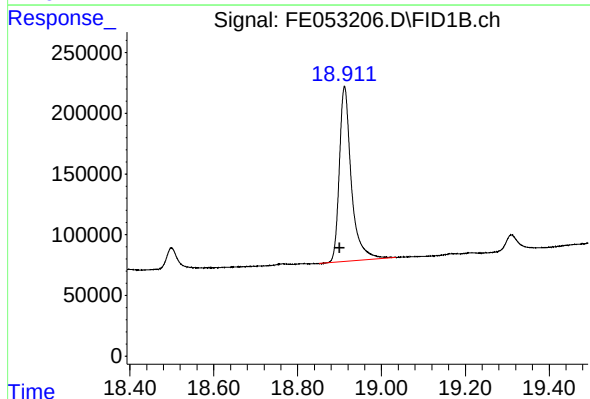
#17 n-Tricontane (C30)

R.T.: 18.076 min
Delta R.T.: 0.010 min
Response: 2926204
Conc: 21.59 ug/ml

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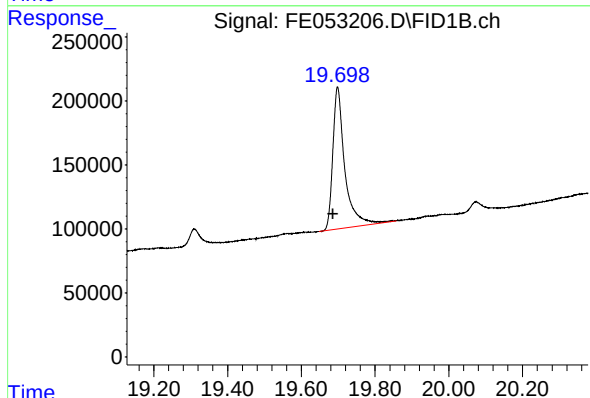
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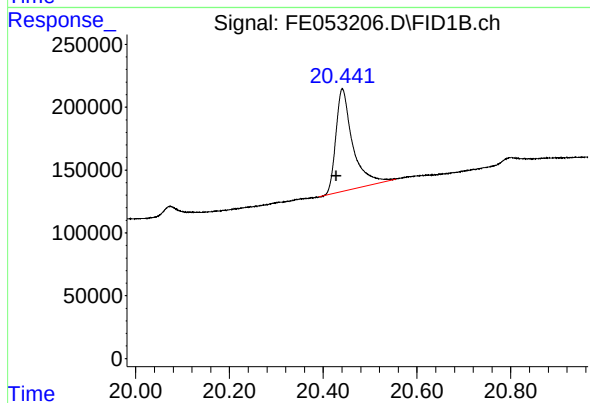
#18 n-Dotriacontane (C32)

R.T.: 18.912 min
Delta R.T.: 0.011 min
Response: 2860804
Conc: 21.26 ug/ml



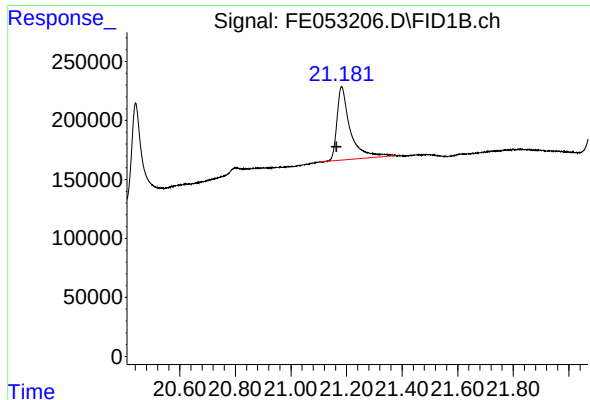
#19 n-Tetatriacontane (C34)

R.T.: 19.698 min
Delta R.T.: 0.012 min
Response: 2504564
Conc: 19.36 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min
Delta R.T.: 0.013 min
Response: 2047072
Conc: 17.23 ug/ml m



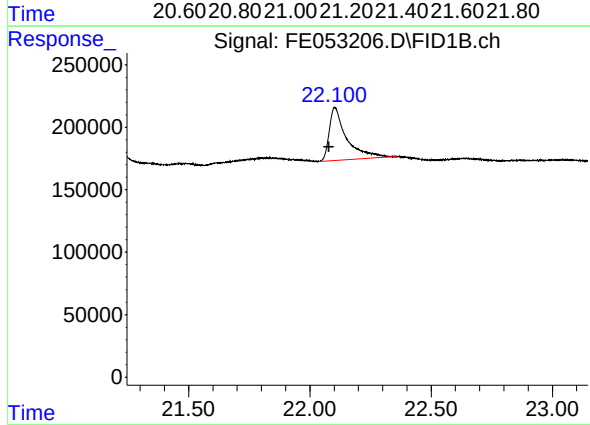
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: 0.017 min
Response: 2069164
Conc: 18.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.022 min
Response: 2123848
Conc: 18.91 ug/ml m