

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
 Data File : FE052294.D
 Signal(s) : FID1B.ch
 Acq On : 07 Feb 2025 16:56
 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 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
 Quant Time: Feb 08 02:25:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.309	2496123	20.167 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
12) S 1-chlorooctadecane (S...	13.719	1981601	20.079 ug/mlm
Spiked Amount 50.000		Recovery =	40.16%
Target Compounds			
1) T n-Nonane (C9)	3.776	1915234	20.505 ug/ml
2) T n-Decane (C10)	5.003	2001686	20.844 ug/ml
3) T A~Naphthalene (C11.7)	6.706	2278111	21.316 ug/ml
4) T n-Dodecane (C12)	7.132	2088306	21.069 ug/ml
5) T A~2-methylnaphthalene...	7.786	2245314	21.438 ug/ml
6) T n-Tetradecane (C14)	8.941	2138381	21.190 ug/ml
7) T n-Hexadecane (C16)	10.536	2256401	20.793 ug/ml
8) T n-Octadecane (C18)	11.970	2310187	20.336 ug/ml
10) T n-Eicosane (C20)	13.272	2246588	19.907 ug/ml
11) T n-Heneicosane (C21)	13.881	2215620	19.674 ug/ml
13) T n-Docosane (C22)	14.464	2200281	19.439 ug/ml
14) T n-Tetracosane (C24)	15.562	2172925	18.899 ug/ml
15) T n-Hexacosane (C26)	16.578	2114504	18.438 ug/ml
16) T n-Octacosane (C28)	17.523	2067750	18.275 ug/ml
17) T n-Tricontane (C30)	18.406	2078020	18.236 ug/ml
18) T n-Dotriacontane (C32)	19.235	1984898	18.206 ug/ml
19) T n-Tetratriacontane (C34)	20.017	1760242	18.554 ug/ml
20) T n-Hexatriacontane (C36)	20.753	1505041	18.215 ug/ml
21) T n-Octatriacontane (C38)	21.566	1508013	20.299 ug/ml
22) T n-Tetracontane (C40)	22.606	1570986	21.072 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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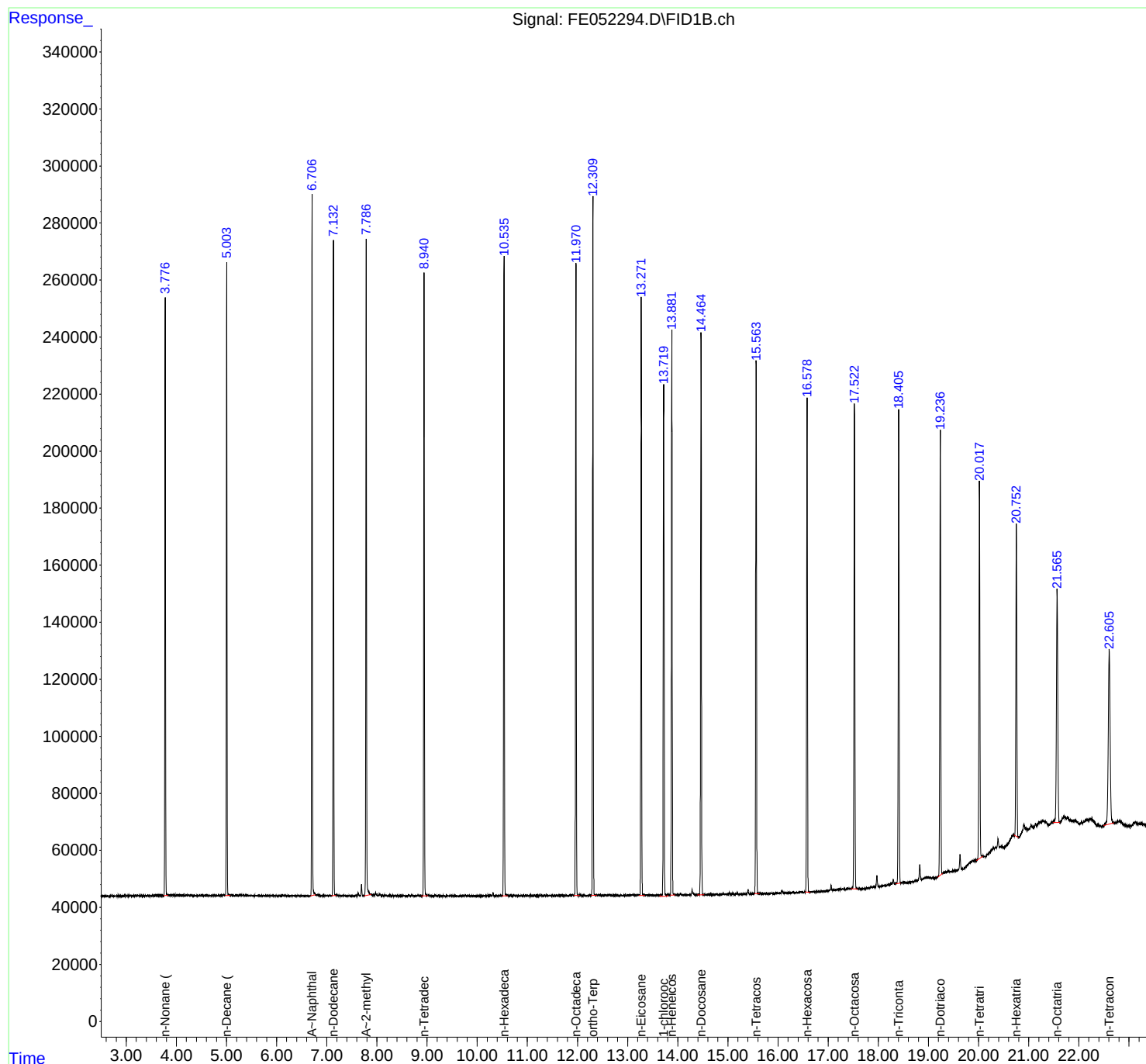
Instrument :
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20 PPM ALIPHATIC HC STD

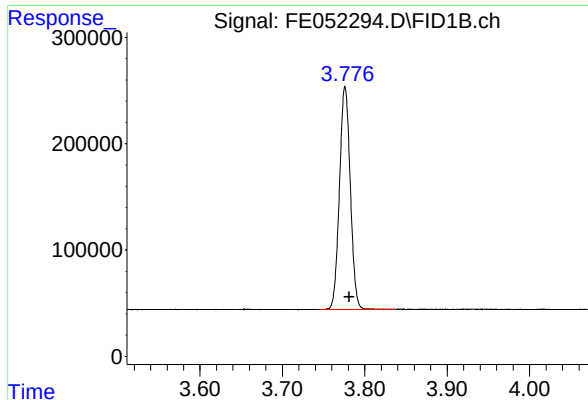
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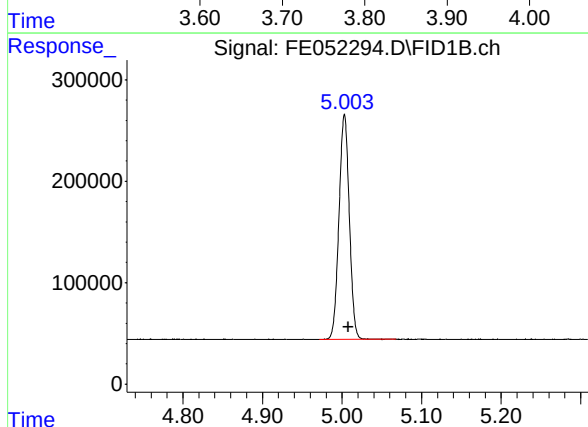
#1 n-Nonane (C9)

R.T.: 3.776 min
Delta R.T.: -0.005 min
Response: 1915234
Conc: 20.50 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

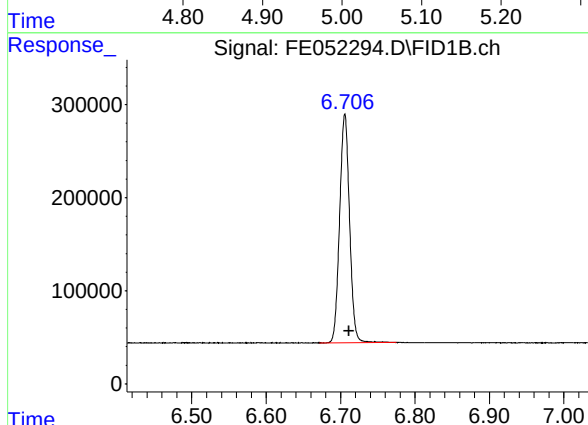
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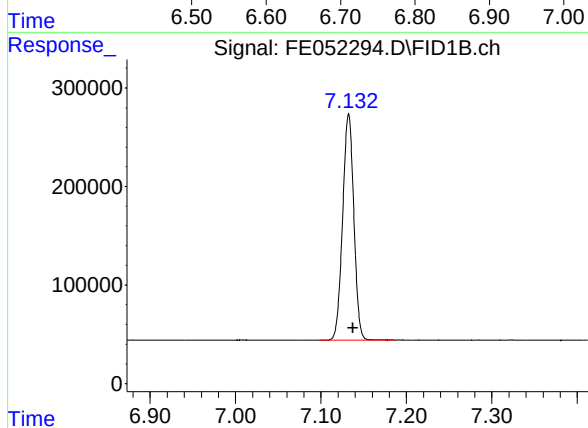
#2 n-Decane (C10)

R.T.: 5.003 min
Delta R.T.: -0.005 min
Response: 2001686
Conc: 20.84 ug/ml



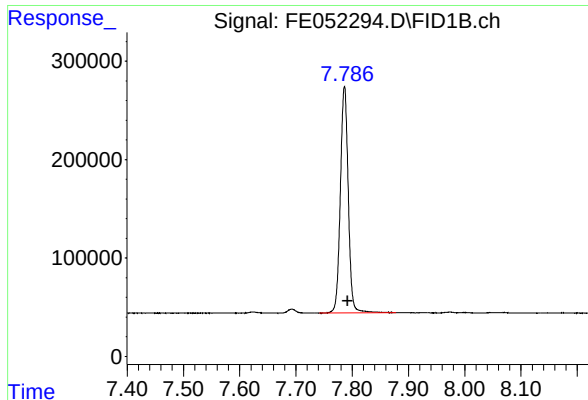
#3 A~Naphthalene (C11.7)

R.T.: 6.706 min
Delta R.T.: -0.006 min
Response: 2278111
Conc: 21.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.132 min
Delta R.T.: -0.005 min
Response: 2088306
Conc: 21.07 ug/ml



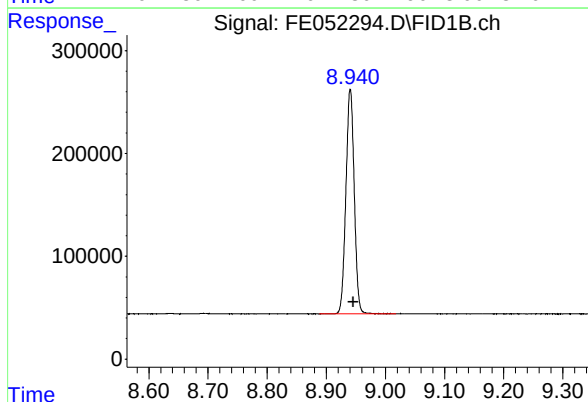
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.786 min
Delta R.T.: -0.005 min
Response: 2245314
Conc: 21.44 ug/ml

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20 PPM ALIPHATIC HC STD

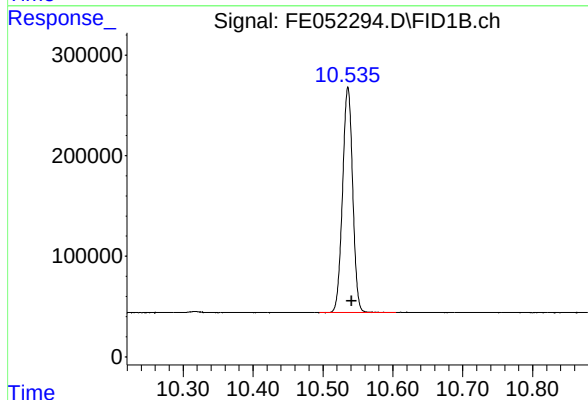
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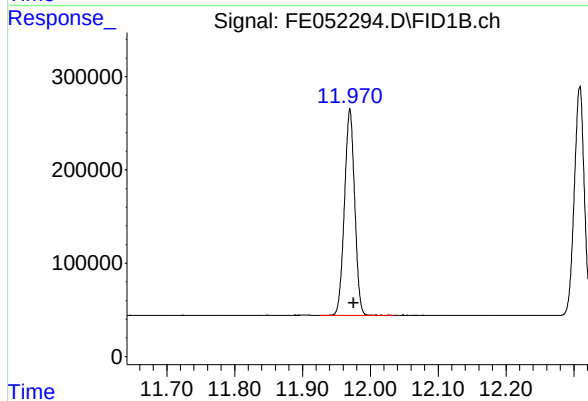
#6 n-Tetradecane (C14)

R.T.: 8.941 min
Delta R.T.: -0.005 min
Response: 2138381
Conc: 21.19 ug/ml



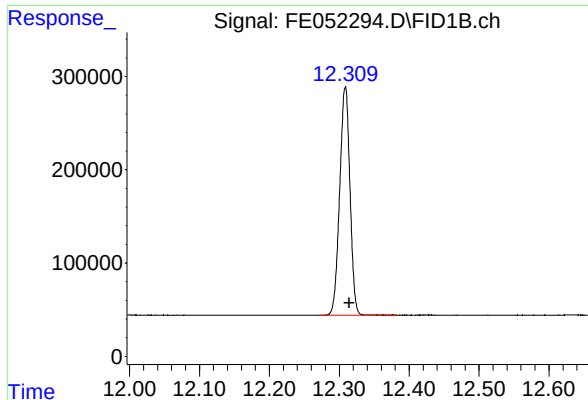
#7 n-Hexadecane (C16)

R.T.: 10.536 min
Delta R.T.: -0.005 min
Response: 2256401
Conc: 20.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.970 min
Delta R.T.: -0.006 min
Response: 2310187
Conc: 20.34 ug/ml



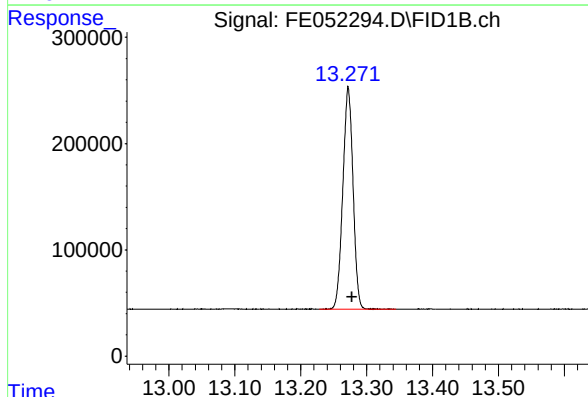
#9 ortho-Terphenyl (SURR)

R.T.: 12.309 min
Delta R.T.: -0.006 min
Response: 2496123
Conc: 20.17 ug/ml

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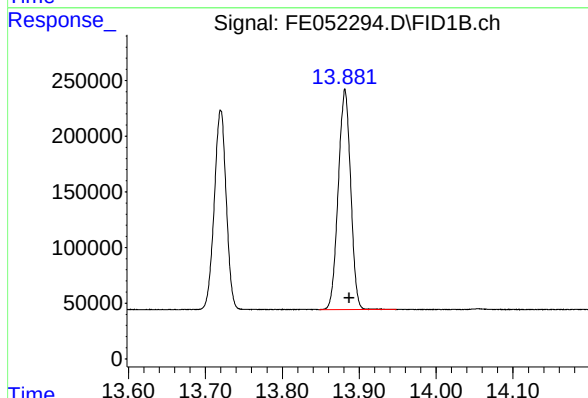
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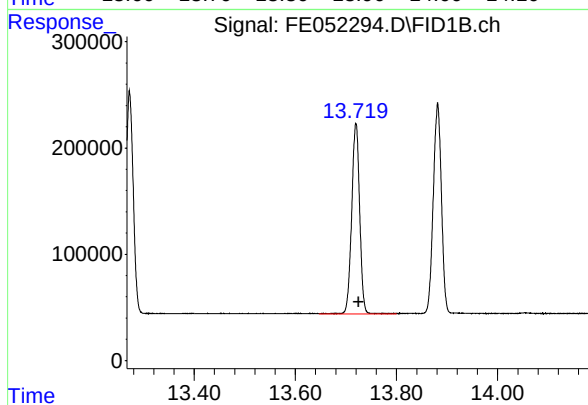
#10 n-Eicosane (C20)

R.T.: 13.272 min
Delta R.T.: -0.006 min
Response: 2246588
Conc: 19.91 ug/ml



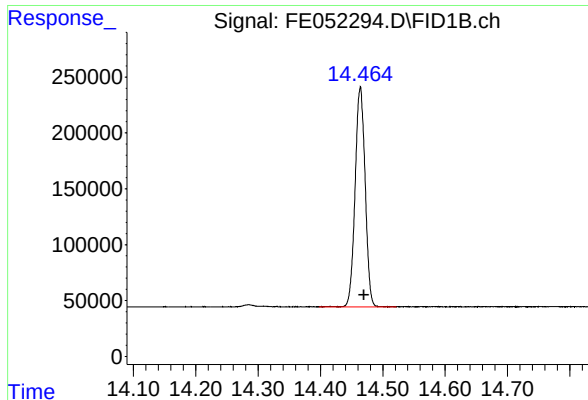
#11 n-Heneicosane (C21)

R.T.: 13.881 min
Delta R.T.: -0.005 min
Response: 2215620
Conc: 19.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.719 min
Delta R.T.: -0.007 min
Response: 1981601
Conc: 20.08 ug/ml m



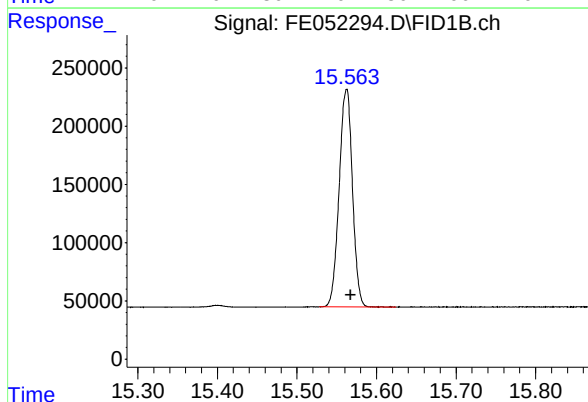
#13 n-Docosane (C22)

R.T.: 14.464 min
Delta R.T.: -0.006 min
Response: 2200281
Conc: 19.44 ug/ml

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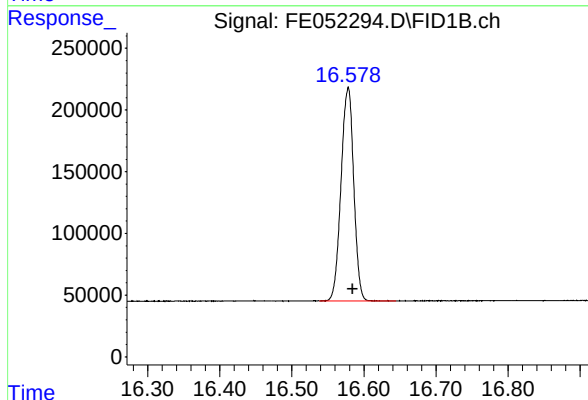
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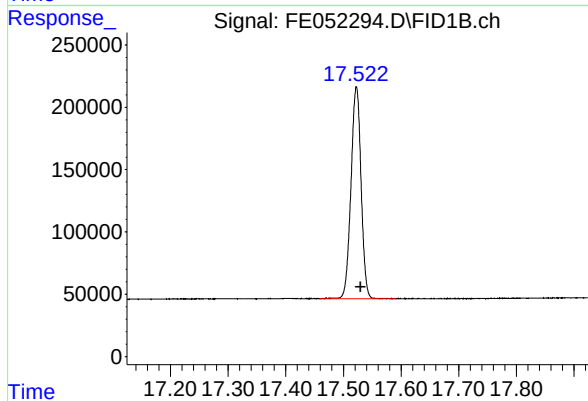
#14 n-Tetracosane (C24)

R.T.: 15.562 min
Delta R.T.: -0.006 min
Response: 2172925
Conc: 18.90 ug/ml



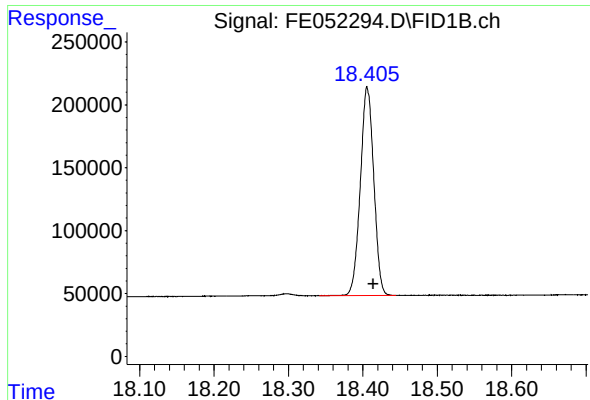
#15 n-Hexacosane (C26)

R.T.: 16.578 min
Delta R.T.: -0.007 min
Response: 2114504
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.523 min
Delta R.T.: -0.007 min
Response: 2067750
Conc: 18.28 ug/ml



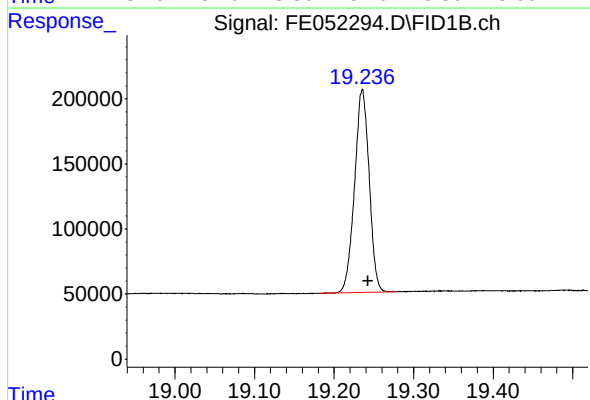
#17 n-Tricontane (C30)

R.T.: 18.406 min
Delta R.T.: -0.008 min
Response: 2078020
Conc: 18.24 ug/ml

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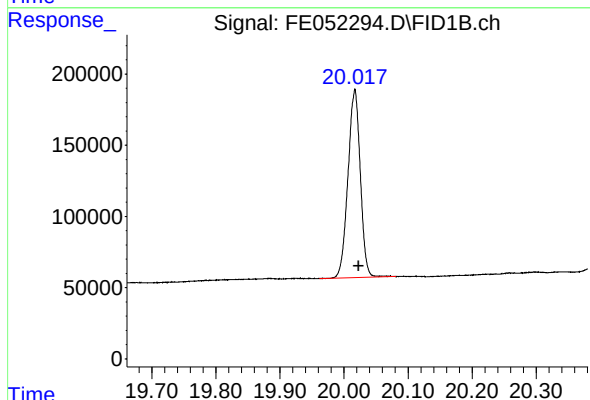
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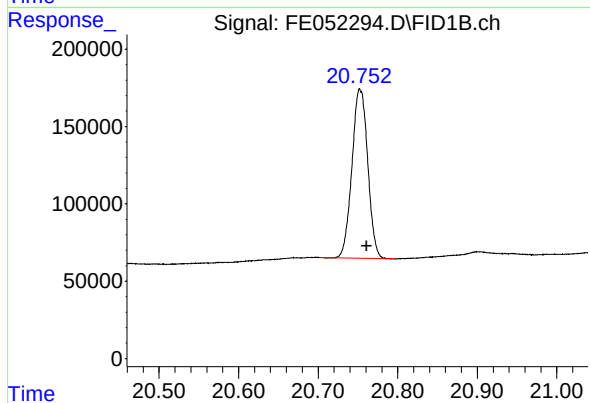
#18 n-Dotriacontane (C32)

R.T.: 19.235 min
Delta R.T.: -0.007 min
Response: 1984898
Conc: 18.21 ug/ml



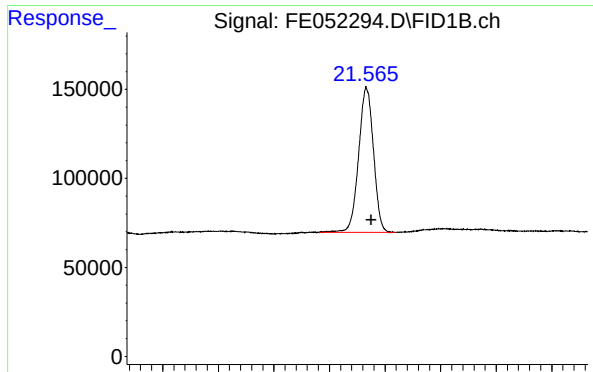
#19 n-Tetratriacontane (C34)

R.T.: 20.017 min
Delta R.T.: -0.007 min
Response: 1760242
Conc: 18.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.753 min
Delta R.T.: -0.008 min
Response: 1505041
Conc: 18.21 ug/ml



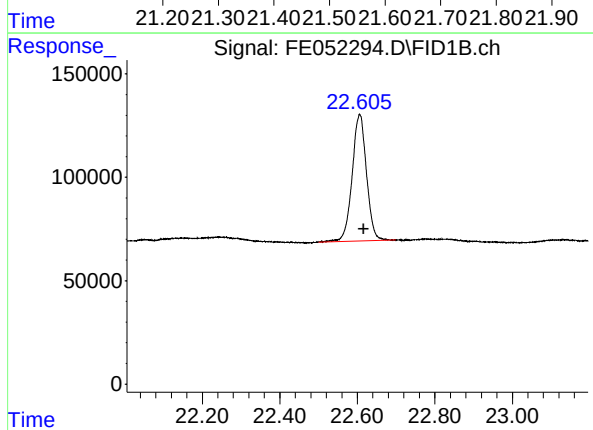
#21 n-Octatriacontane (C38)

R.T.: 21.566 min
Delta R.T.: -0.009 min
Response: 1508013
Conc: 20.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.606 min
Delta R.T.: -0.010 min
Response: 1570986
Conc: 21.07 ug/ml