

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120924AL\
 Data File : FE051586.D
 Signal(s) : FID1B.ch
 Acq On : 09 Dec 2024 12:18
 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 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 02:12:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 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)	11.824	2995917	19.825 ug/ml
Spiked Amount 50.000		Recovery =	39.65%
12) S 1-chlorooctadecane (S...	13.257	2241460	20.057 ug/ml
Spiked Amount 50.000		Recovery =	40.11%
Target Compounds			
1) T n-Nonane (C9)	3.217	2702030	19.280 ug/ml
2) T n-Decane (C10)	4.464	2786236	19.648 ug/ml
3) T A~Naphthalene (C11.7)	6.179	2528107	19.124 ug/ml
4) T n-Dodecane (C12)	6.631	2818286	19.799 ug/ml
5) T A~2-methylnaphthalene...	7.276	2302584	19.194 ug/ml
6) T n-Tetradecane (C14)	8.457	2770980	19.878 ug/ml
7) T n-Hexadecane (C16)	10.062	2829819	19.917 ug/ml
8) T n-Octadecane (C18)	11.503	2871047	19.978 ug/mlm
10) T n-Eicosane (C20)	12.810	2751141	19.930 ug/ml
11) T n-Heneicosane (C21)	13.421	2699150	19.913 ug/ml
13) T n-Docosane (C22)	14.007	2669579	19.937 ug/ml
14) T n-Tetracosane (C24)	15.107	2644174	20.011 ug/ml
15) T n-Hexacosane (C26)	16.127	2609483	20.123 ug/ml
16) T n-Octacosane (C28)	17.076	2606429	20.443 ug/ml
17) T n-Tricontane (C30)	17.961	2697904	20.836 ug/ml
18) T n-Dotriacontane (C32)	18.793	2627581	20.989 ug/ml
19) T n-Tetratriacontane (C34)	19.575	2304715	20.407 ug/ml
20) T n-Hexatriacontane (C36)	20.315	1985805	20.620 ug/ml
21) T n-Octatriacontane (C38)	21.034	1852633	20.348 ug/ml
22) T n-Tetracontane (C40)	21.904	1831852	20.903 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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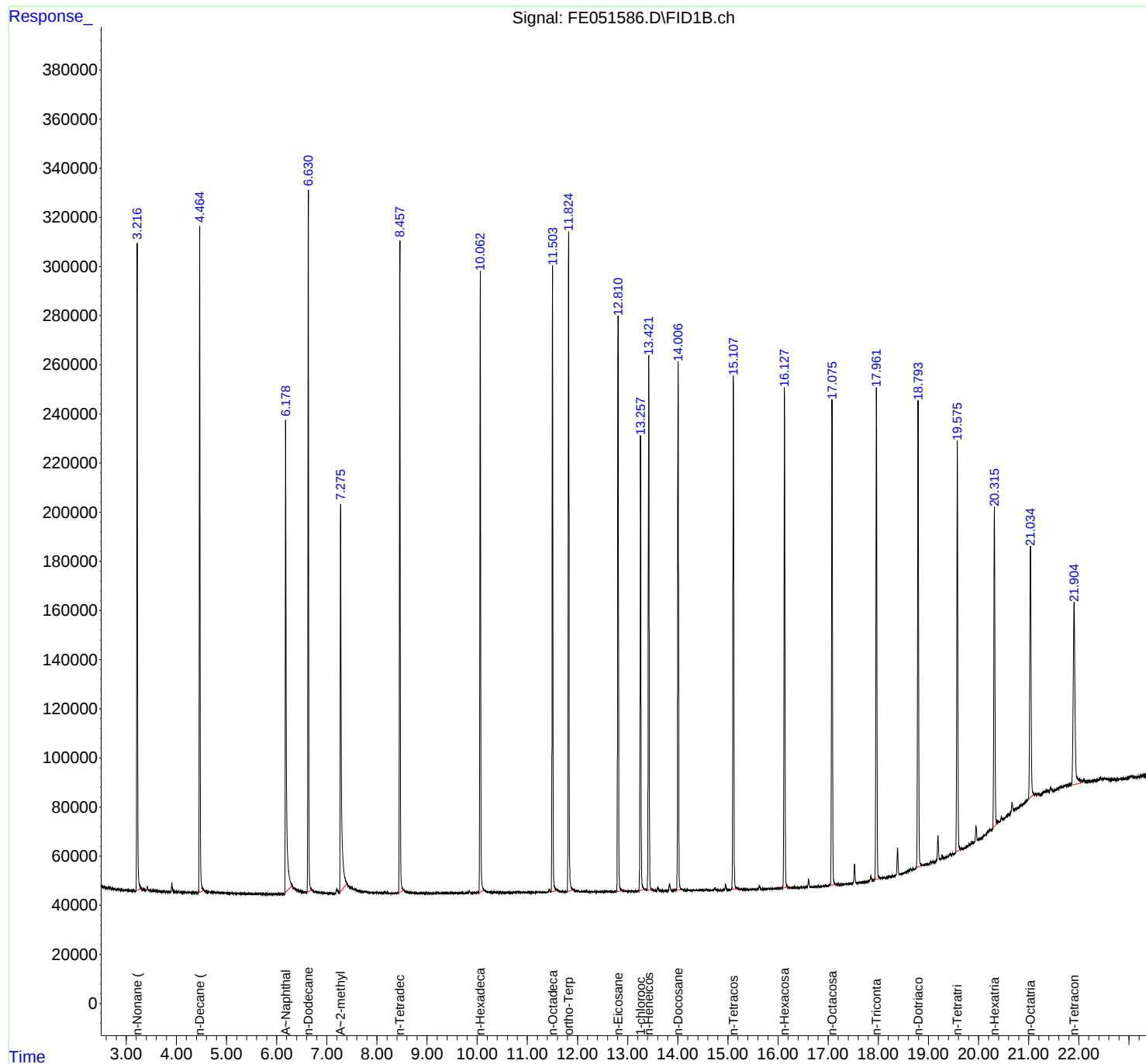
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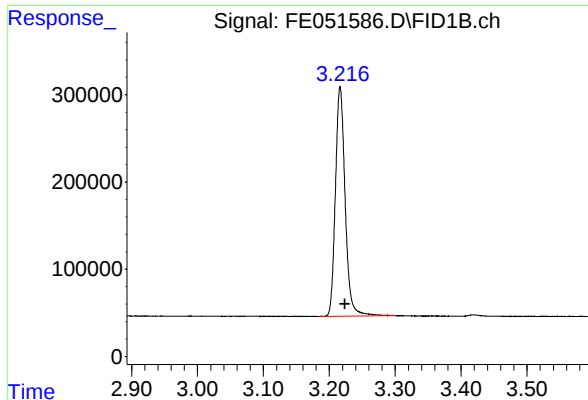
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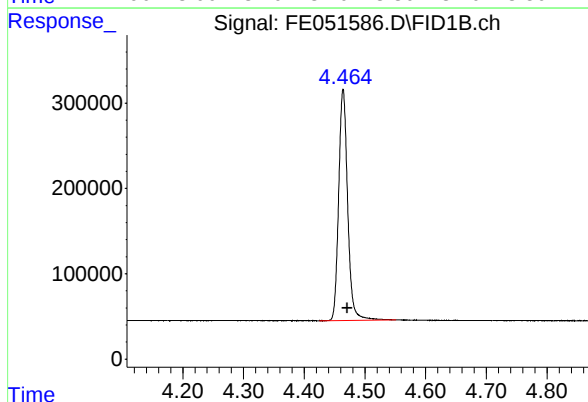
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.007 min
Response: 2702030
Conc: 19.28 ug/ml

Instrument :
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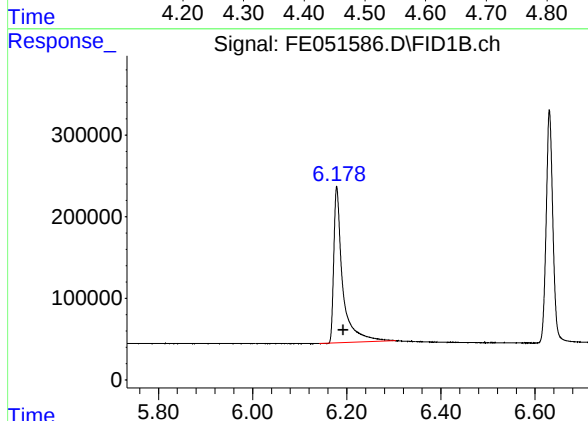
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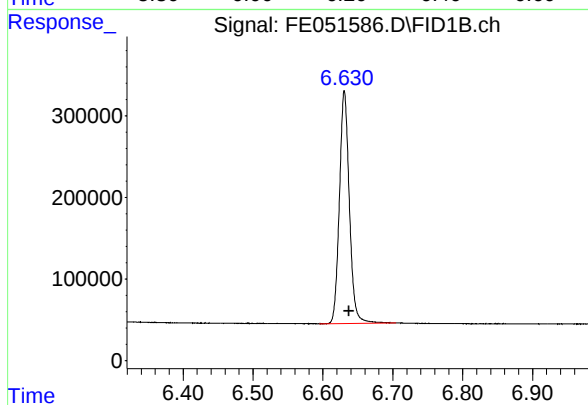
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.007 min
Response: 2786236
Conc: 19.65 ug/ml



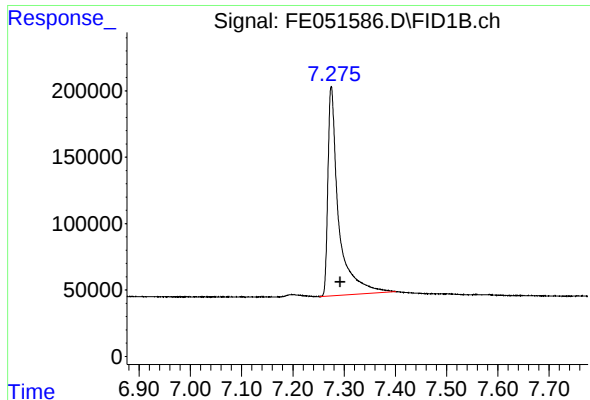
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.013 min
Response: 2528107
Conc: 19.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.006 min
Response: 2818286
Conc: 19.80 ug/ml



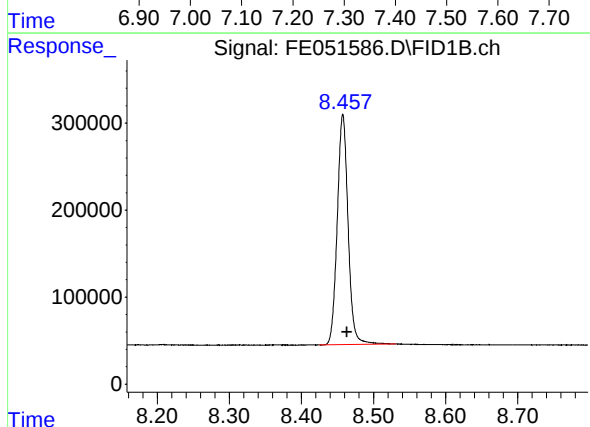
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.017 min
Response: 2302584
Conc: 19.19 ug/ml

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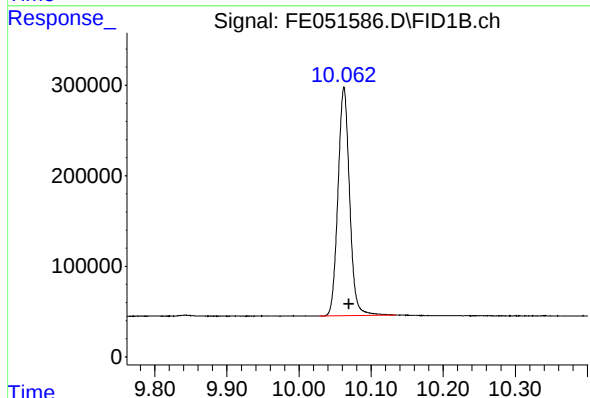
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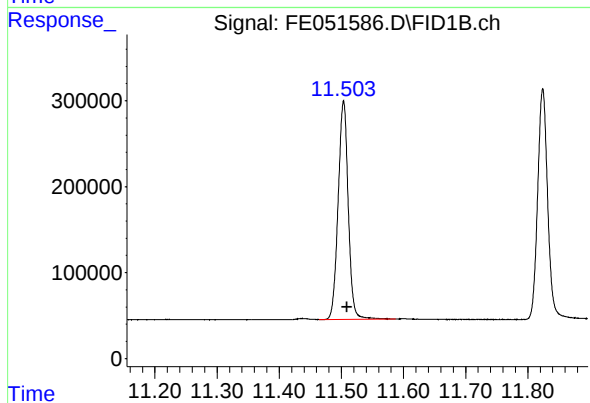
#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.006 min
Response: 2770980
Conc: 19.88 ug/ml



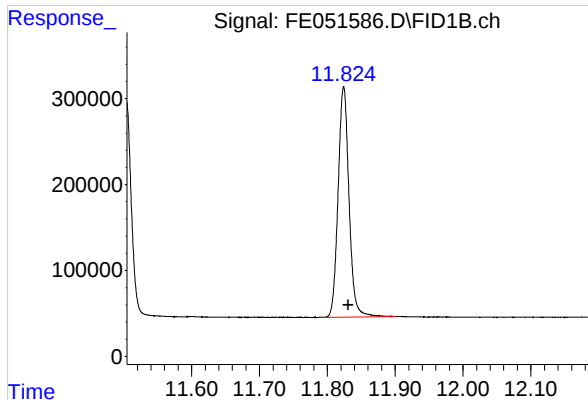
#7 n-Hexadecane (C16)

R.T.: 10.062 min
Delta R.T.: -0.007 min
Response: 2829819
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.503 min
Delta R.T.: -0.006 min
Response: 2871047
Conc: 19.98 ug/ml m



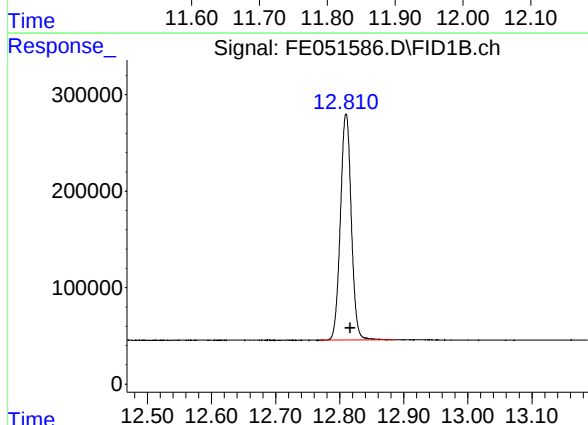
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.007 min
Response: 2995917
Conc: 19.83 ug/ml

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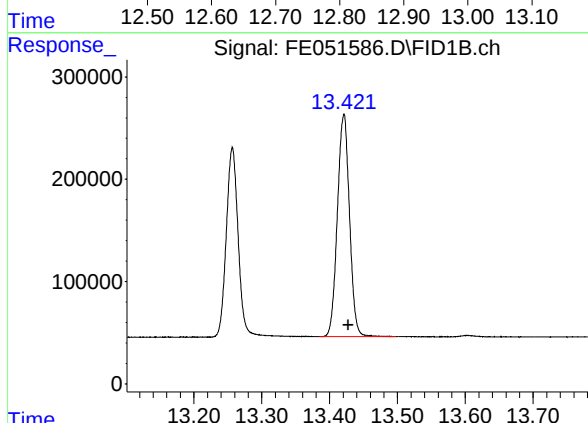
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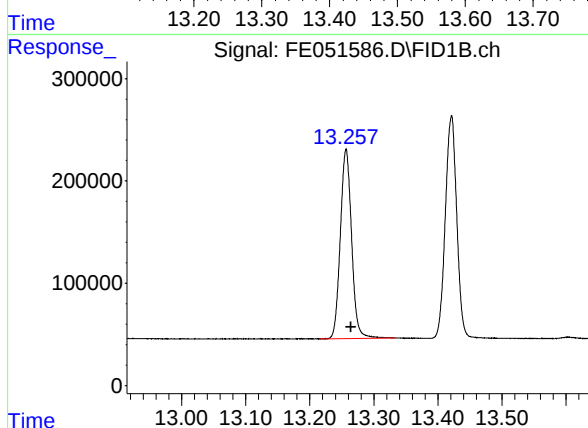
#10 n-Eicosane (C20)

R.T.: 12.810 min
Delta R.T.: -0.007 min
Response: 2751141
Conc: 19.93 ug/ml



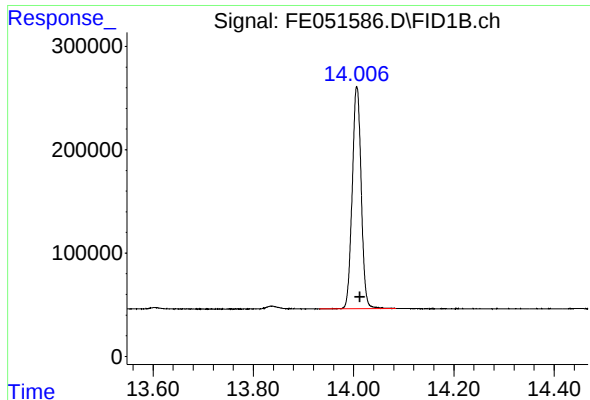
#11 n-Heneicosane (C21)

R.T.: 13.421 min
Delta R.T.: -0.007 min
Response: 2699150
Conc: 19.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.257 min
Delta R.T.: -0.008 min
Response: 2241460
Conc: 20.06 ug/ml



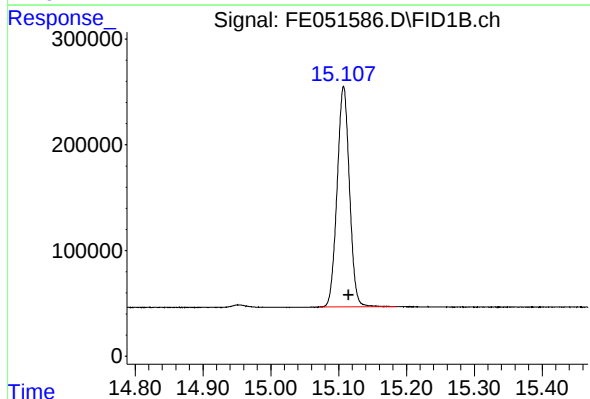
#13 n-Docosane (C22)

R.T.: 14.007 min
Delta R.T.: -0.006 min
Response: 2669579
Conc: 19.94 ug/ml

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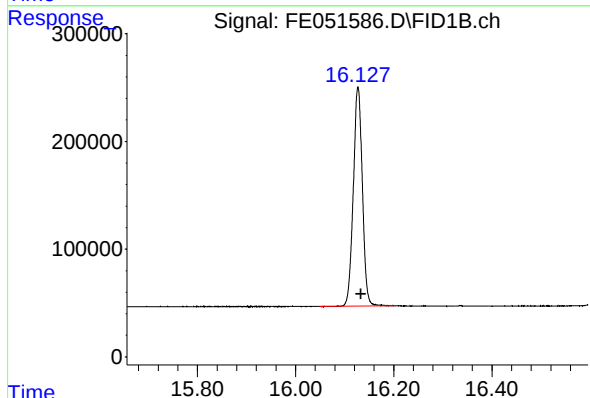
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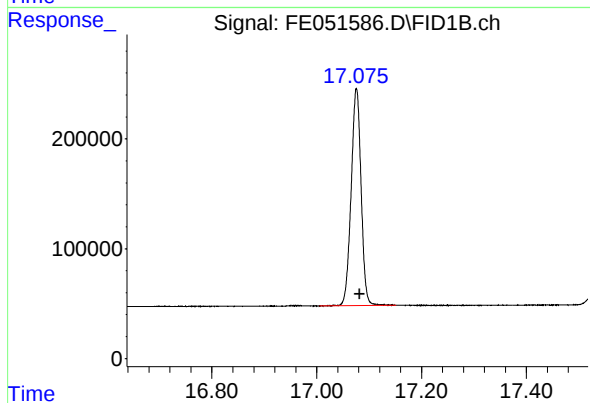
#14 n-Tetracosane (C24)

R.T.: 15.107 min
Delta R.T.: -0.007 min
Response: 2644174
Conc: 20.01 ug/ml



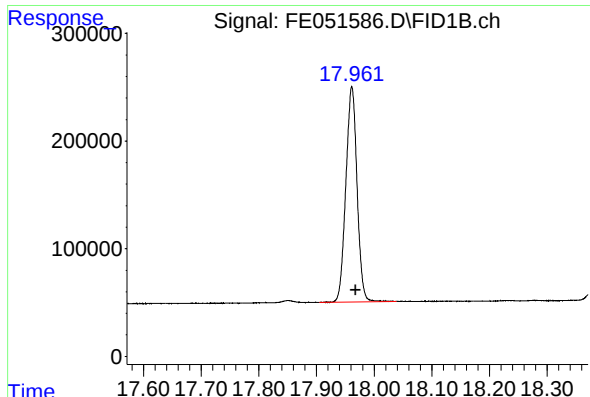
#15 n-Hexacosane (C26)

R.T.: 16.127 min
Delta R.T.: -0.006 min
Response: 2609483
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.076 min
Delta R.T.: -0.006 min
Response: 2606429
Conc: 20.44 ug/ml



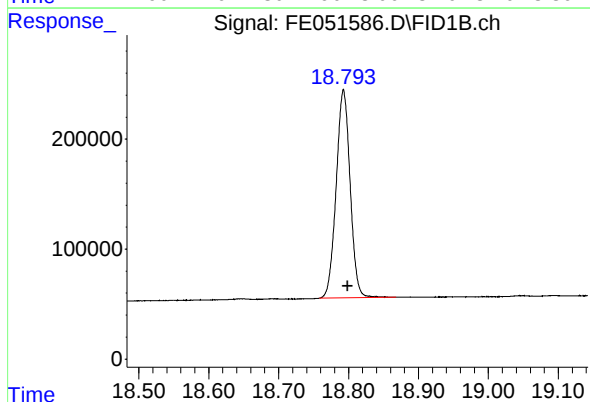
#17 n-Tricontane (C30)

R.T.: 17.961 min
Delta R.T.: -0.006 min
Response: 2697904
Conc: 20.84 ug/ml

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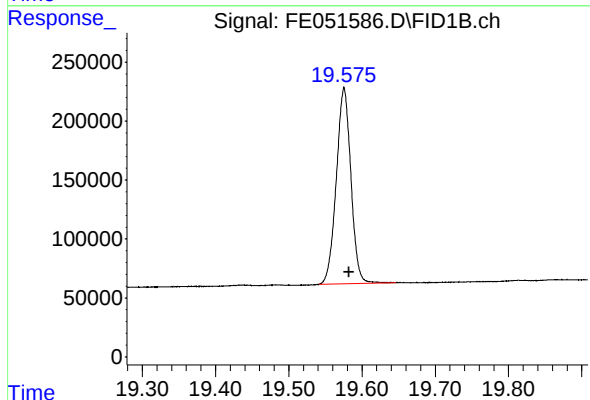
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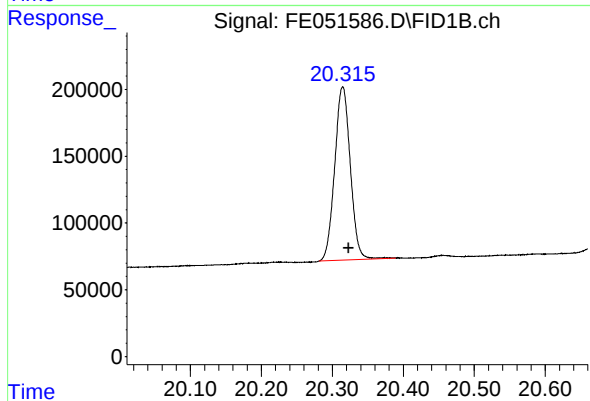
#18 n-Dotriacontane (C32)

R.T.: 18.793 min
Delta R.T.: -0.006 min
Response: 2627581
Conc: 20.99 ug/ml



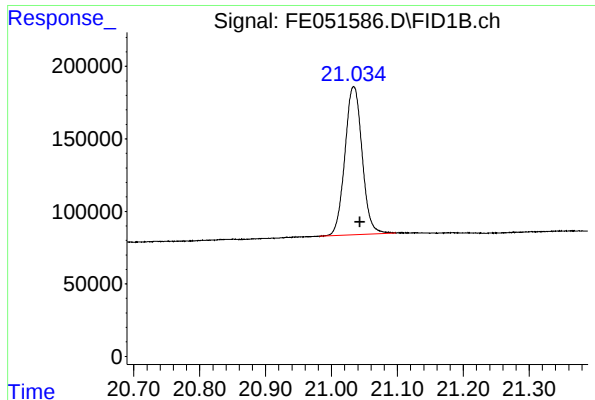
#19 n-Tetratriacontane (C34)

R.T.: 19.575 min
Delta R.T.: -0.007 min
Response: 2304715
Conc: 20.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.315 min
Delta R.T.: -0.008 min
Response: 1985805
Conc: 20.62 ug/ml



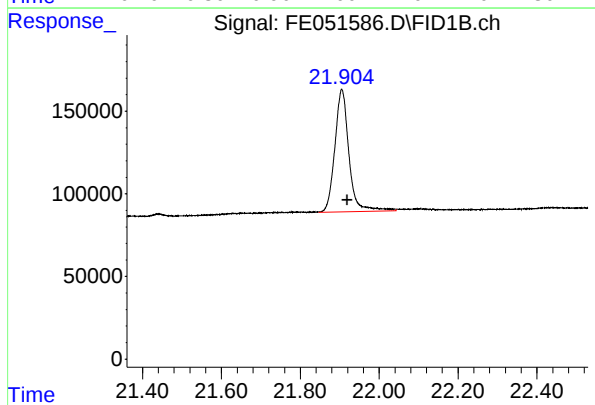
#21 n-Octatriacontane (C38)

R.T.: 21.034 min
Delta R.T.: -0.010 min
Response: 1852633
Conc: 20.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.904 min
Delta R.T.: -0.015 min
Response: 1831852
Conc: 20.90 ug/ml m