

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052025AL\
 Data File : FE053920.D
 Signal(s) : FID1B.ch
 Acq On : 20 May 2025 12:57
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 00:38:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.846	3186448	19.607 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.291	2348970	19.814 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
Target Compounds			
1) T n-Nonane (C9)	3.196	2577177	19.069 ug/ml
2) T n-Decane (C10)	4.457	2598068	19.226 ug/ml
3) T A~Naphthalene (C11.7)	6.170	2783104	19.365 ug/ml
4) T n-Dodecane (C12)	6.637	2636337	19.327 ug/ml
5) T A~2-methylnaphthalene...	7.272	2682924	19.342 ug/ml
6) T n-Tetradecane (C14)	8.473	2621631	19.427 ug/ml
7) T n-Hexadecane (C16)	10.085	2643633	19.592 ug/ml
8) T n-Octadecane (C18)	11.532	2637361	19.585 ug/ml
10) T n-Eicosane (C20)	12.845	2588710	19.697 ug/ml
11) T n-Heneicosane (C21)	13.459	2559830	19.745 ug/ml
13) T n-Docosane (C22)	14.046	2524058	19.785 ug/ml
14) T n-Tetracosane (C24)	15.151	2485627	19.867 ug/ml
15) T n-Hexacosane (C26)	16.174	2427511	19.824 ug/ml
16) T n-Octacosane (C28)	17.126	2401091	19.752 ug/ml
17) T n-Tricontane (C30)	18.015	2465768	19.795 ug/ml
18) T n-Dotriacontane (C32)	18.850	2490922	19.919 ug/ml
19) T n-Tetratriacontane (C34)	19.635	2372650	19.918 ug/ml
20) T n-Hexatriacontane (C36)	20.377	2317935	20.019 ug/ml
21) T n-Octatriacontane (C38)	21.108	2226217	20.457 ug/ml
22) T n-Tetracontane (C40)	22.002	2114229	21.306 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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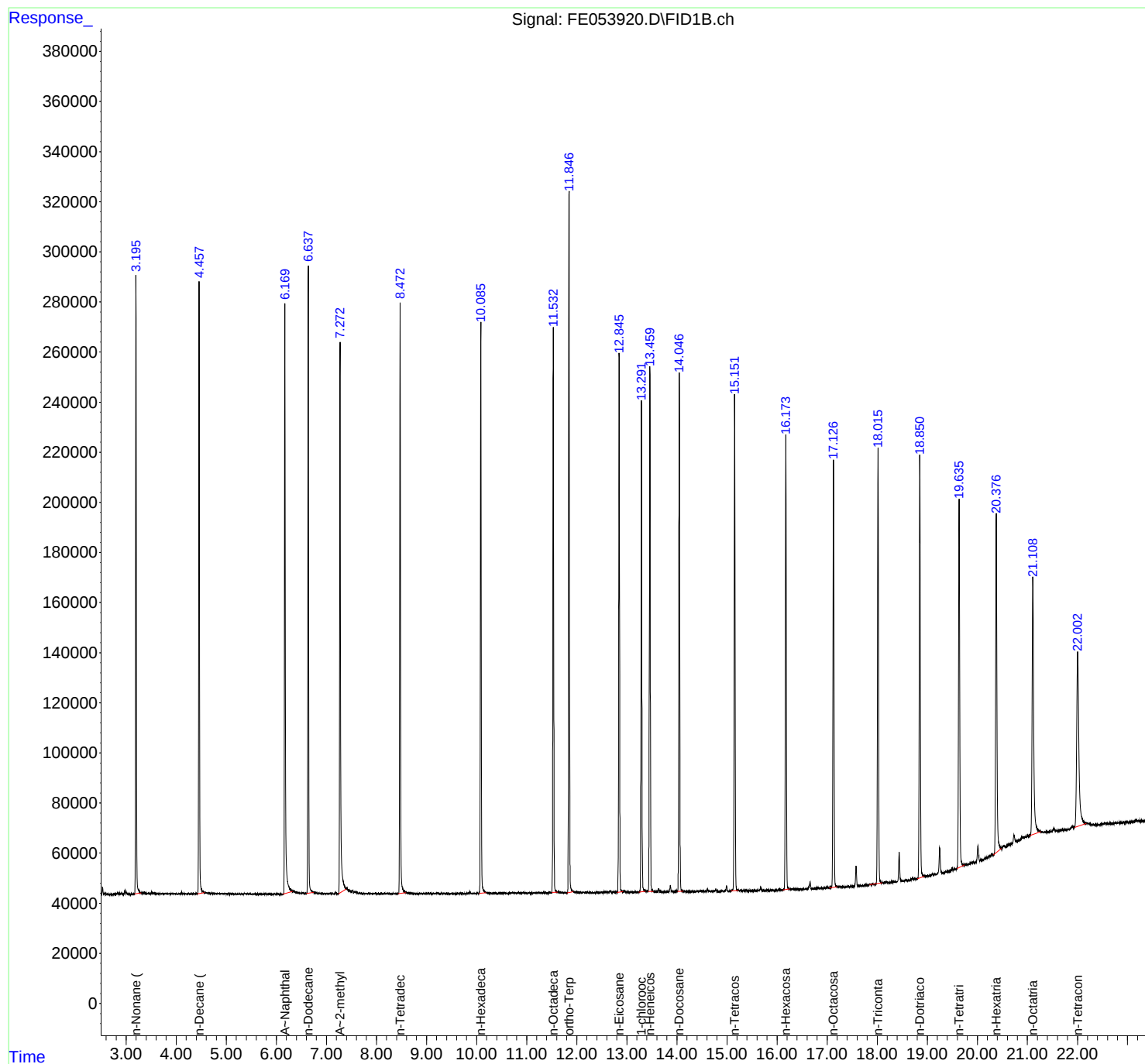
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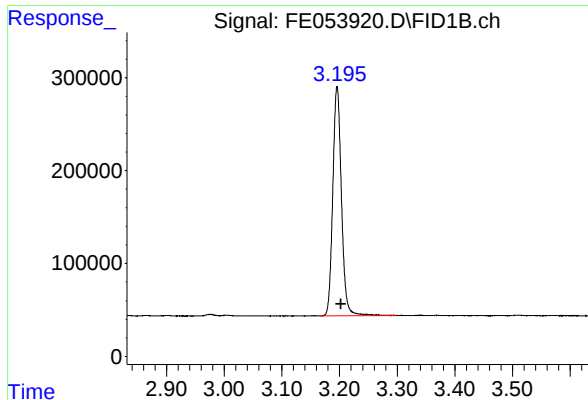
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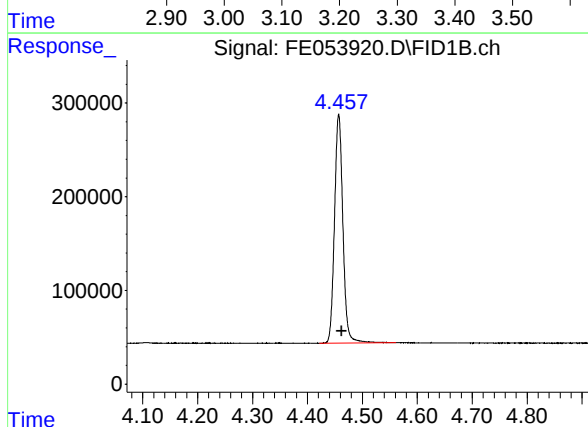
#1 n-Nonane (C9)

R.T.: 3.196 min
Delta R.T.: -0.006 min
Response: 2577177
Conc: 19.07 ug/ml

Instrument : FID_E
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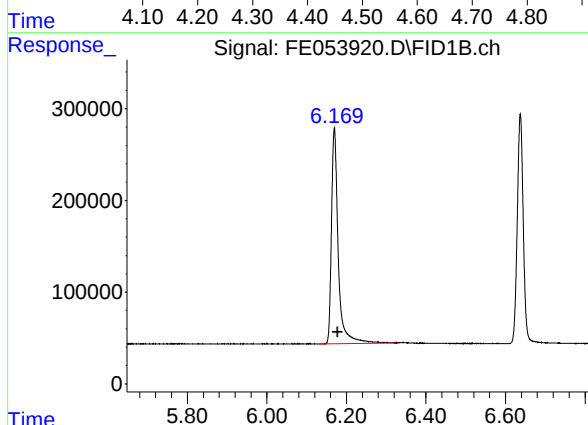
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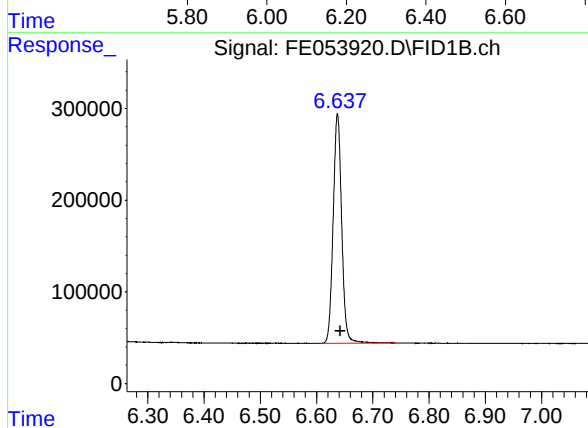
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: -0.005 min
Response: 2598068
Conc: 19.23 ug/ml



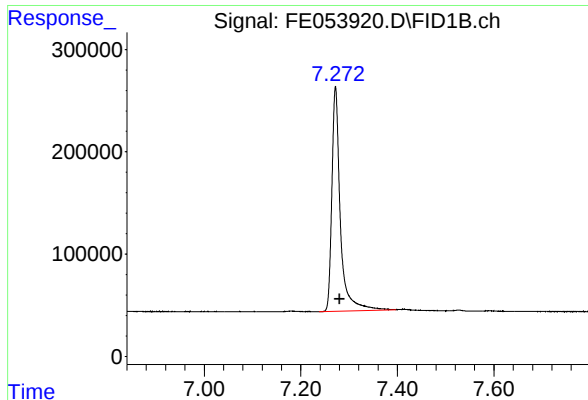
#3 A~Naphthalene (C11.7)

R.T.: 6.170 min
Delta R.T.: -0.008 min
Response: 2783104
Conc: 19.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.637 min
Delta R.T.: -0.005 min
Response: 2636337
Conc: 19.33 ug/ml



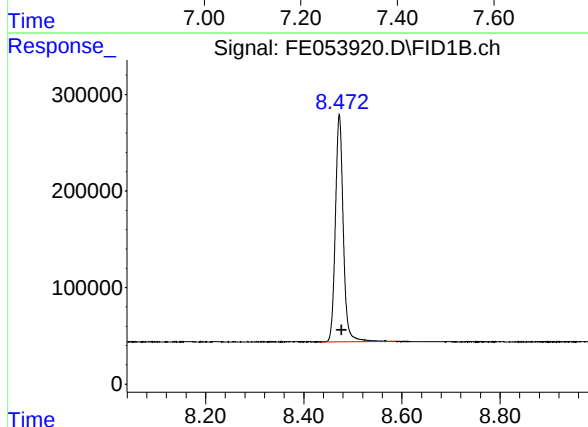
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.272 min
Delta R.T.: -0.008 min
Response: 2682924
Conc: 19.34 ug/ml

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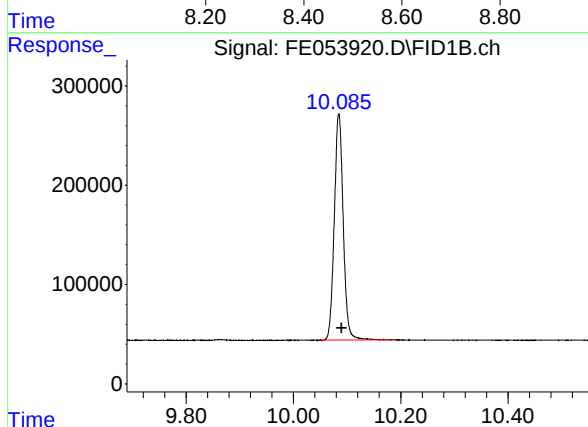
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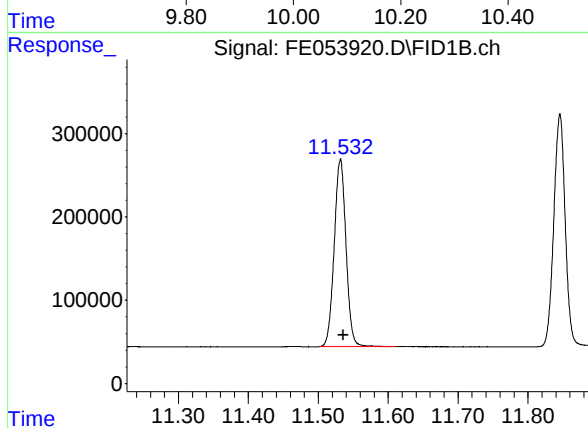
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.005 min
Response: 2621631
Conc: 19.43 ug/ml



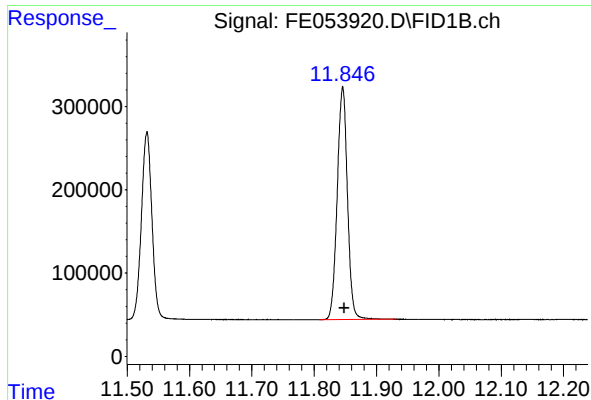
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.005 min
Response: 2643633
Conc: 19.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.532 min
Delta R.T.: -0.004 min
Response: 2637361
Conc: 19.59 ug/ml



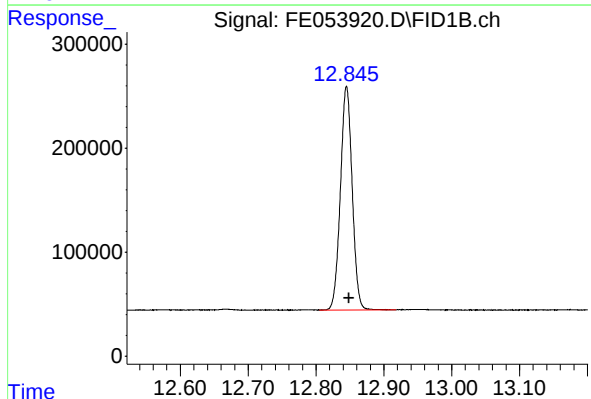
#9 ortho-Terphenyl (SURR)

R.T.: 11.846 min
Delta R.T.: -0.003 min
Response: 3186448
Conc: 19.61 ug/ml

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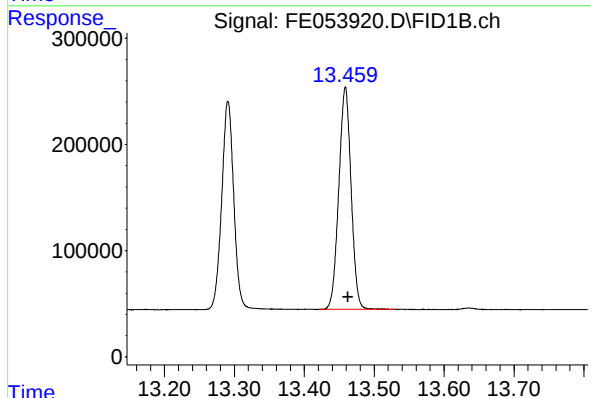
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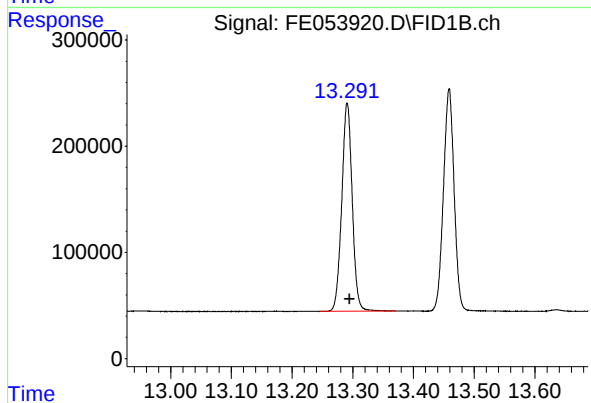
#10 n-Eicosane (C20)

R.T.: 12.845 min
Delta R.T.: -0.004 min
Response: 2588710
Conc: 19.70 ug/ml



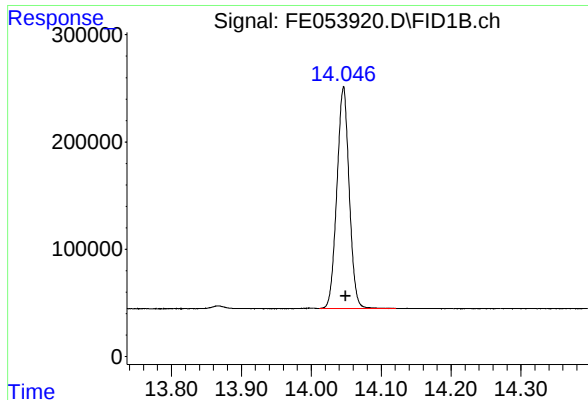
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.004 min
Response: 2559830
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.291 min
Delta R.T.: -0.004 min
Response: 2348970
Conc: 19.81 ug/ml



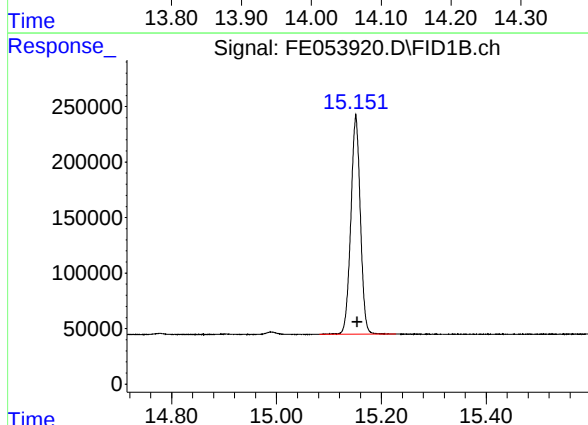
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.003 min
Response: 2524058
Conc: 19.78 ug/ml

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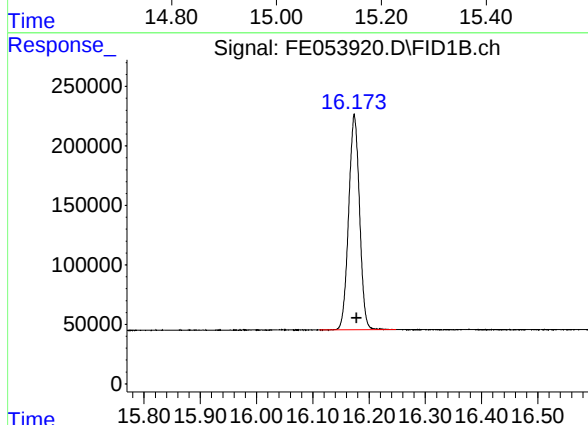
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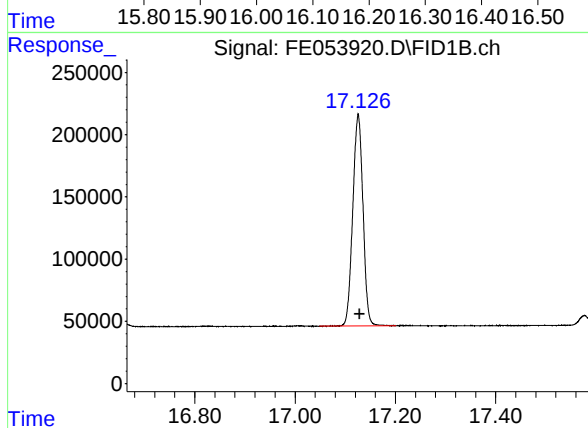
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.003 min
Response: 2485627
Conc: 19.87 ug/ml



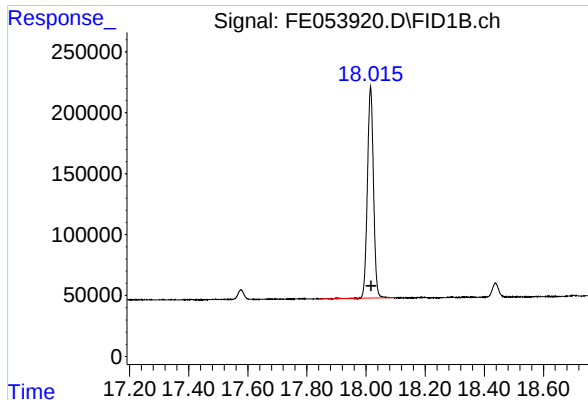
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.004 min
Response: 2427511
Conc: 19.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.126 min
Delta R.T.: -0.003 min
Response: 2401091
Conc: 19.75 ug/ml



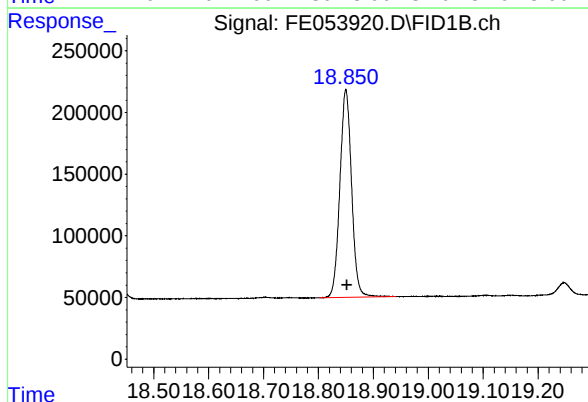
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.003 min
Response: 2465768
Conc: 19.80 ug/ml

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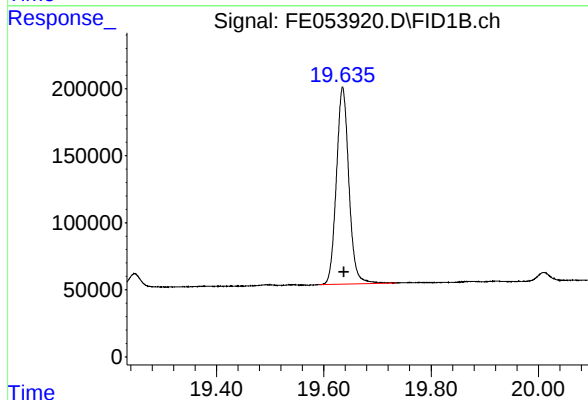
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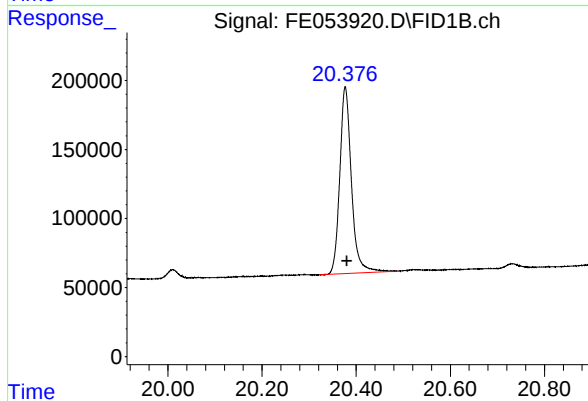
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: -0.002 min
Response: 2490922
Conc: 19.92 ug/ml



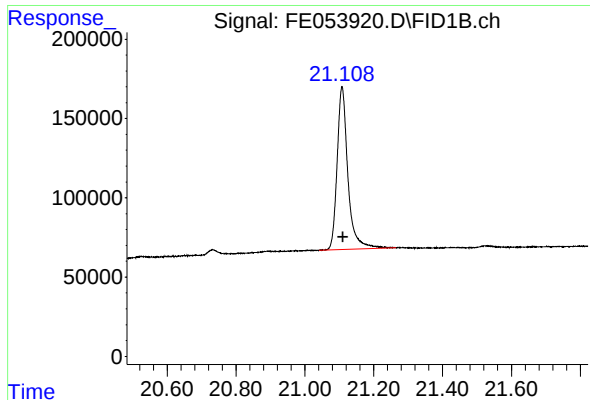
#19 n-Tetratriacontane (C34)

R.T.: 19.635 min
Delta R.T.: -0.003 min
Response: 2372650
Conc: 19.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.377 min
Delta R.T.: -0.003 min
Response: 2317935
Conc: 20.02 ug/ml



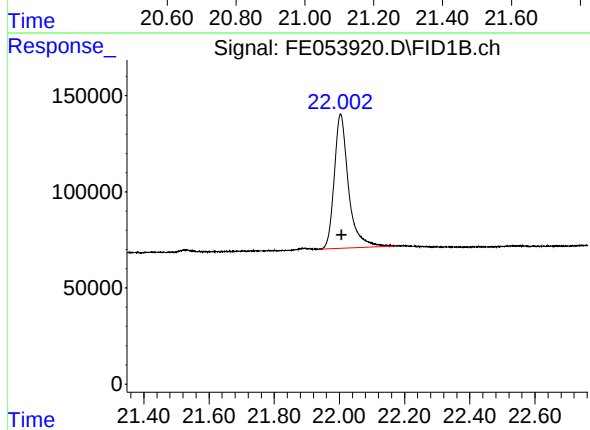
#21 n-Octatriacontane (C38)

R.T.: 21.108 min
Delta R.T.: -0.003 min
Response: 2226217
Conc: 20.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.002 min
Delta R.T.: -0.005 min
Response: 2114229
Conc: 21.31 ug/ml m