

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022125AL\
 Data File : FE052447.D
 Signal(s) : FID1B.ch
 Acq On : 21 Feb 2025 18:44
 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 02/24/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File: autoint1.e
 Quant Time: Feb 21 22:33:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 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)	11.909	3314047	17.729 ug/ml
Spiked Amount 50.000		Recovery =	35.46%
12) S 1-chlorooctadecane (S...	13.353	2472731	17.790 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
Target Compounds			
1) T n-Nonane (C9)	3.253	3039900	19.804 ug/ml
2) T n-Decane (C10)	4.515	3093240	19.805 ug/ml
3) T A~Naphthalene (C11.7)	6.226	3414857	19.765 ug/ml
4) T n-Dodecane (C12)	6.695	3082530	19.529 ug/ml
5) T A~2-methylnaphthalene...	7.327	3282147	19.543 ug/ml
6) T n-Tetradecane (C14)	8.531	2995643	19.018 ug/ml
7) T n-Hexadecane (C16)	10.144	3043136	18.619 ug/ml
8) T n-Octadecane (C18)	11.593	3027420	18.297 ug/ml
10) T n-Eicosane (C20)	12.908	2879535	18.062 ug/ml
11) T n-Heneicosane (C21)	13.521	2816921	17.980 ug/ml
13) T n-Docosane (C22)	14.110	2787930	17.815 ug/ml
14) T n-Tetracosane (C24)	15.216	2761831	17.561 ug/ml
15) T n-Hexacosane (C26)	16.239	2706470	17.474 ug/ml
16) T n-Octacosane (C28)	17.191	2658263	17.379 ug/ml
17) T n-Tricontane (C30)	18.081	2701541	17.307 ug/ml
18) T n-Dotriacontane (C32)	18.915	2627780	17.173 ug/ml
19) T n-Tetratriacontane (C34)	19.700	2373525	16.684 ug/mlm
20) T n-Hexatriacontane (C36)	20.441	2091314	16.779 ug/ml
21) T n-Octatriacontane (C38)	21.181	2030259	18.575 ug/ml
22) T n-Tetracontane (C40)	22.098	2060898	20.488 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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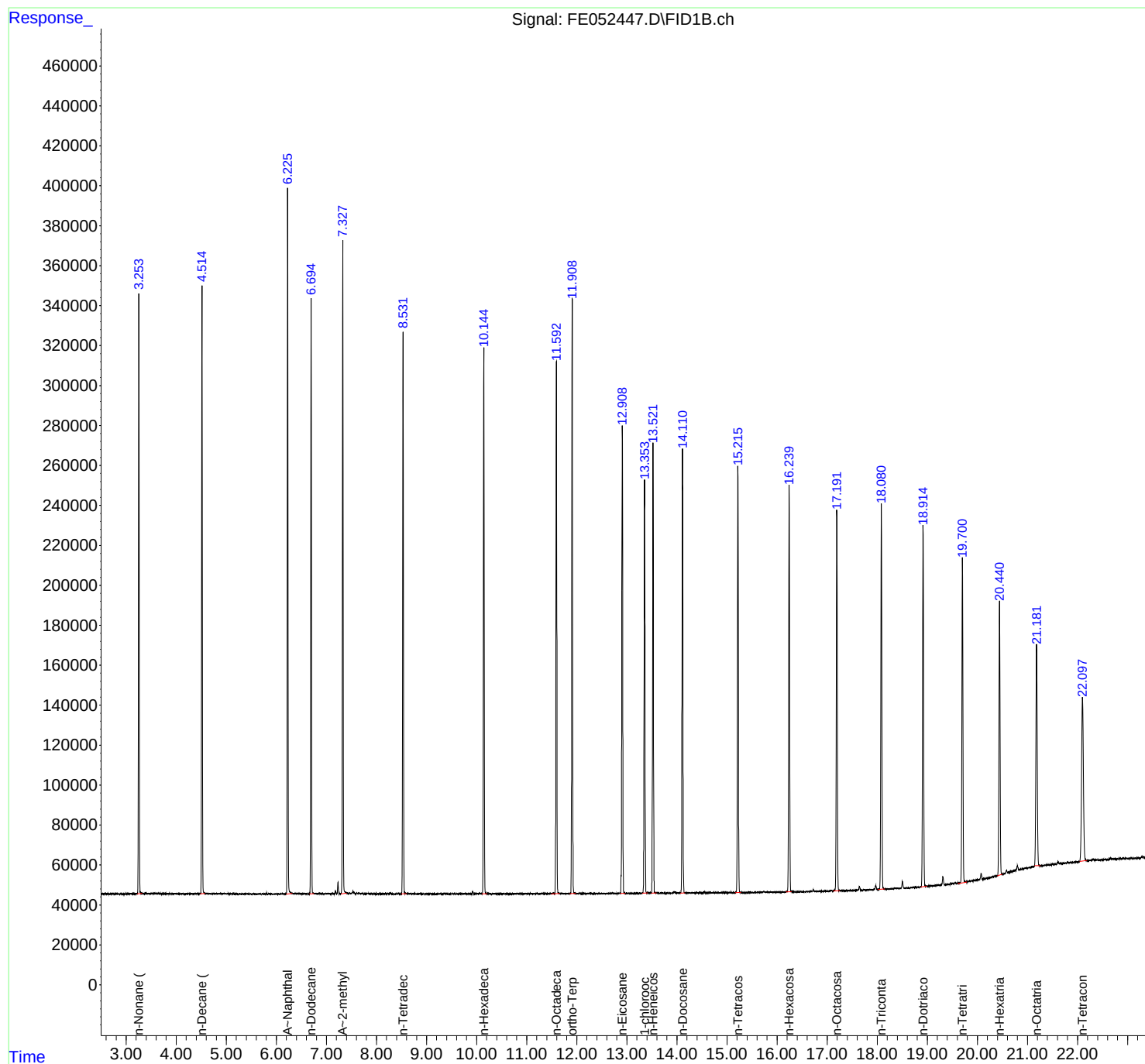
Instrument :
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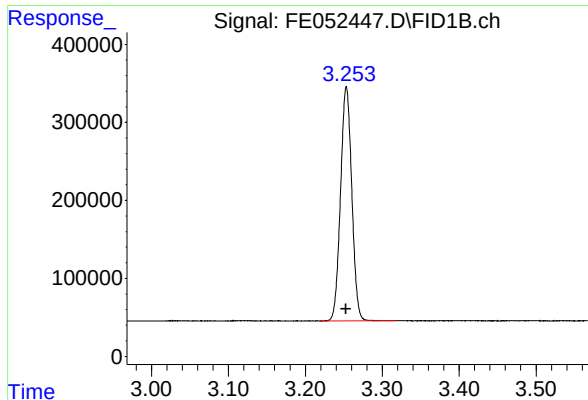
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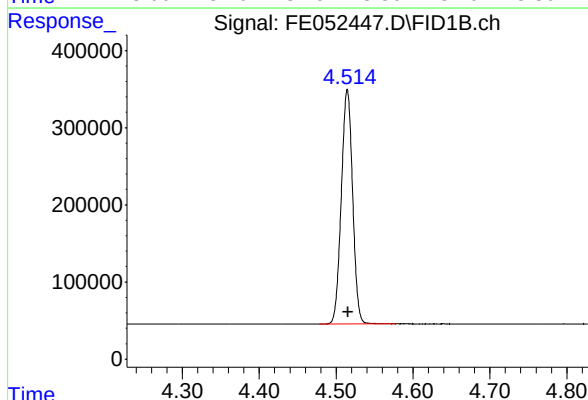
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 3039900
Conc: 19.80 ug/ml

Instrument :
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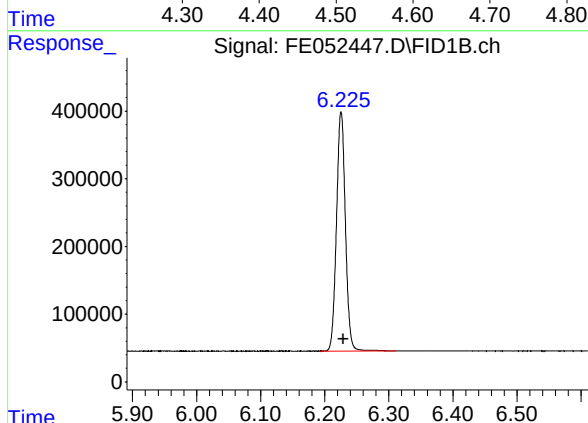
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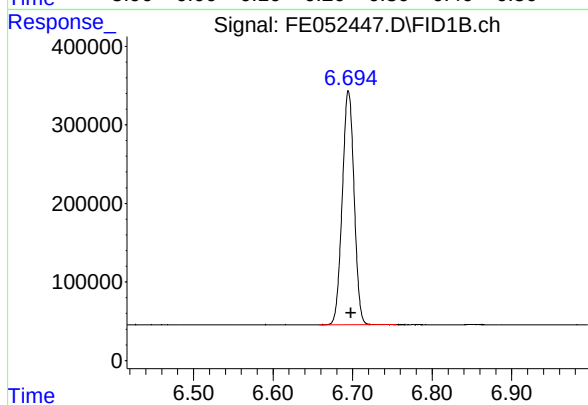
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 3093240
Conc: 19.80 ug/ml



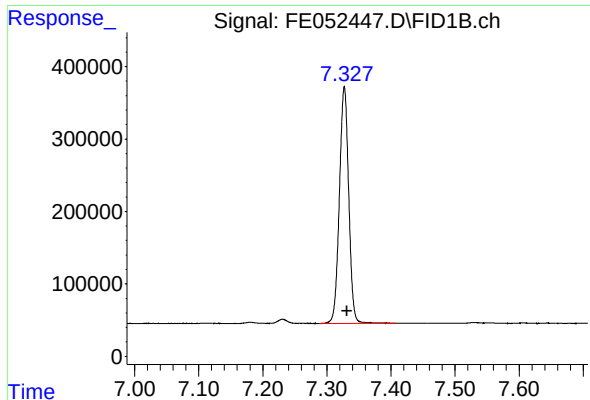
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.003 min
Response: 3414857
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.003 min
Response: 3082530
Conc: 19.53 ug/ml



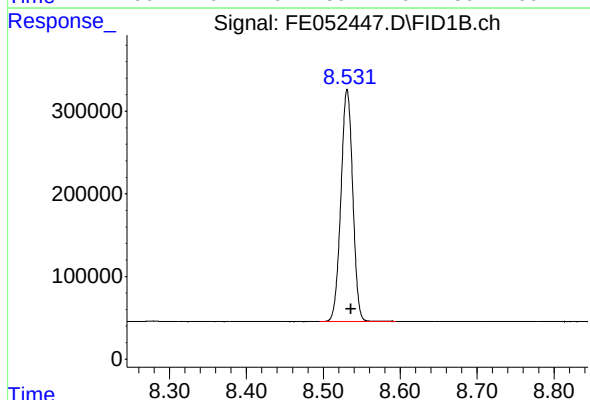
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.004 min
Response: 3282147
Conc: 19.54 ug/ml

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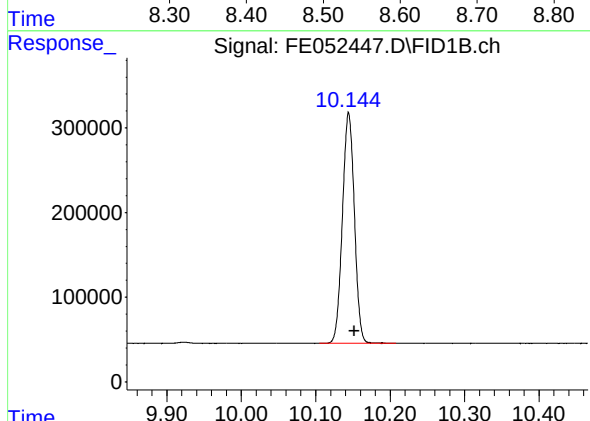
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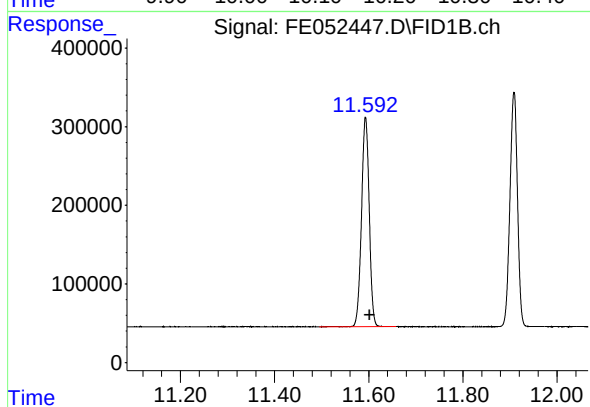
#6 n-Tetradecane (C14)

R.T.: 8.531 min
Delta R.T.: -0.005 min
Response: 2995643
Conc: 19.02 ug/ml



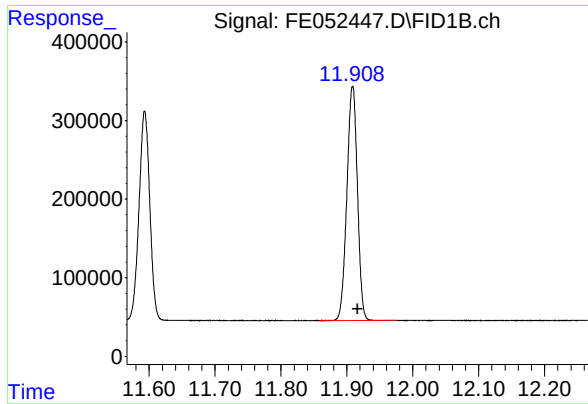
#7 n-Hexadecane (C16)

R.T.: 10.144 min
Delta R.T.: -0.008 min
Response: 3043136
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.593 min
Delta R.T.: -0.009 min
Response: 3027420
Conc: 18.30 ug/ml



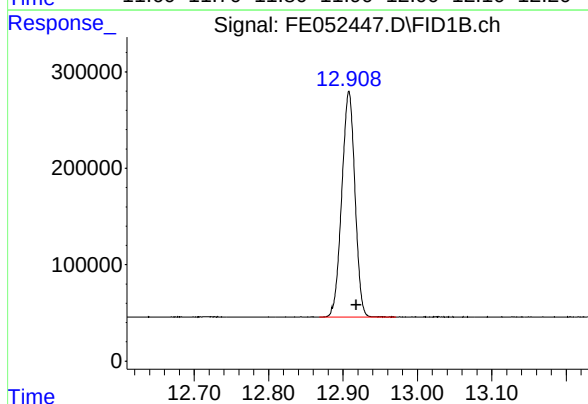
#9 ortho-Terphenyl (SURR)

R.T.: 11.909 min
Delta R.T.: -0.008 min
Response: 3314047
Conc: 17.73 ug/ml

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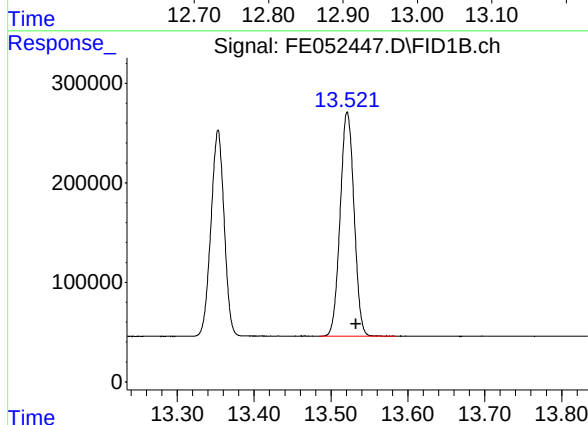
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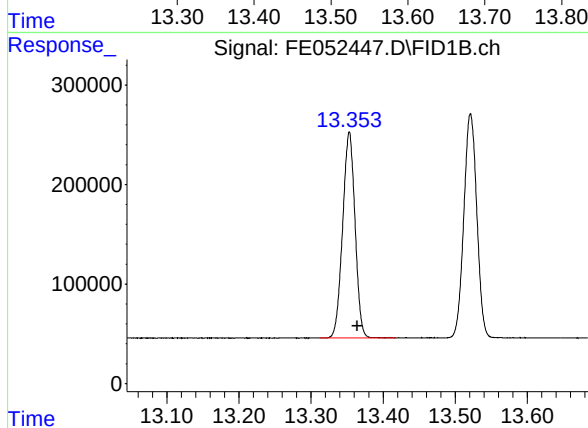
#10 n-Eicosane (C20)

R.T.: 12.908 min
Delta R.T.: -0.010 min
Response: 2879535
Conc: 18.06 ug/ml



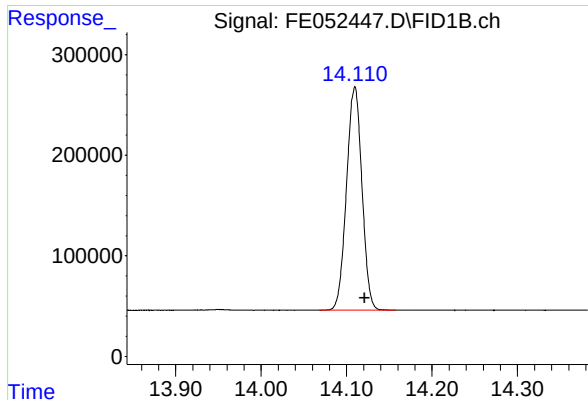
#11 n-Heneicosane (C21)

R.T.: 13.521 min
Delta R.T.: -0.011 min
Response: 2816921
Conc: 17.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.353 min
Delta R.T.: -0.011 min
Response: 2472731
Conc: 17.79 ug/ml



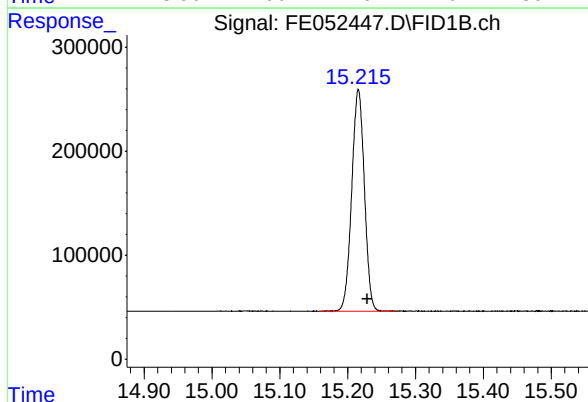
#13 n-Docosane (C22)

R.T.: 14.110 min
Delta R.T.: -0.012 min
Response: 2787930
Conc: 17.81 ug/ml

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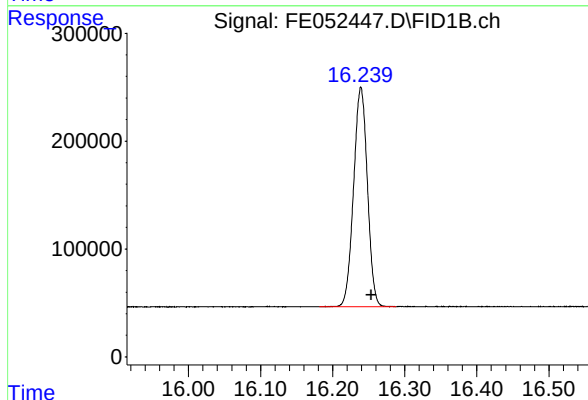
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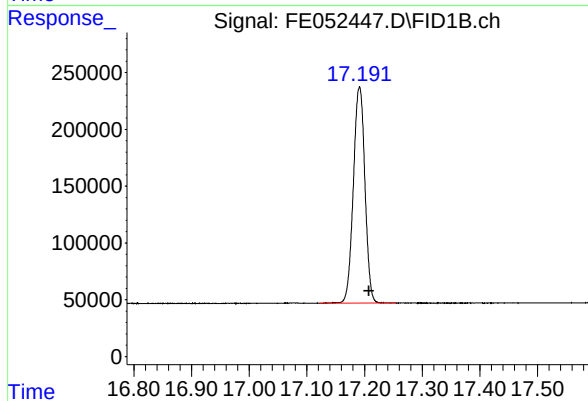
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.013 min
Response: 2761831
Conc: 17.56 ug/ml



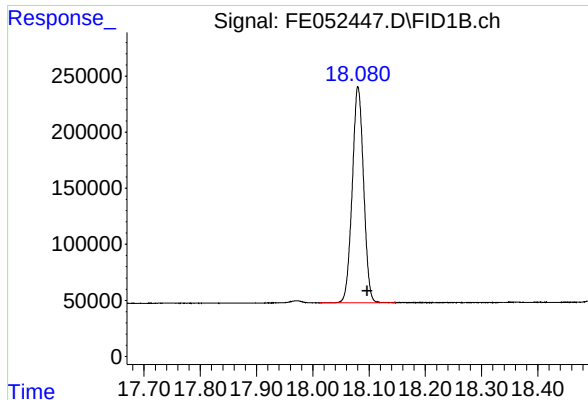
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: -0.015 min
Response: 2706470
Conc: 17.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.191 min
Delta R.T.: -0.016 min
Response: 2658263
Conc: 17.38 ug/ml



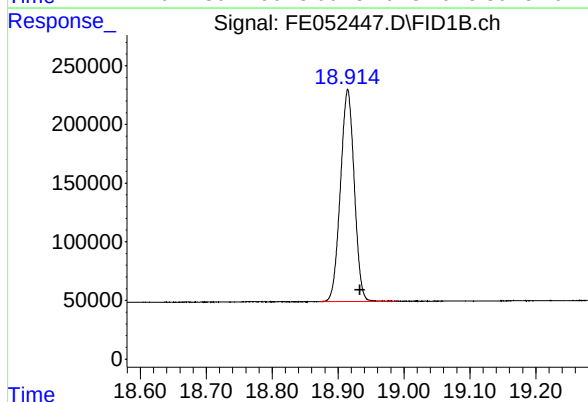
#17 n-Tricontane (C30)

R.T.: 18.081 min
Delta R.T.: -0.017 min
Response: 2701541
Conc: 17.31 ug/ml

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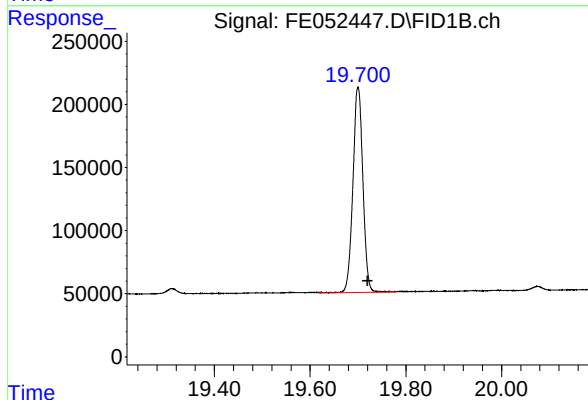
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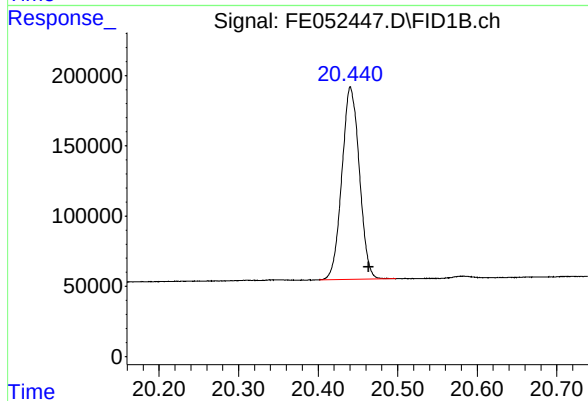
#18 n-Dotriacontane (C32)

R.T.: 18.915 min
Delta R.T.: -0.019 min
Response: 2627780
Conc: 17.17 ug/ml



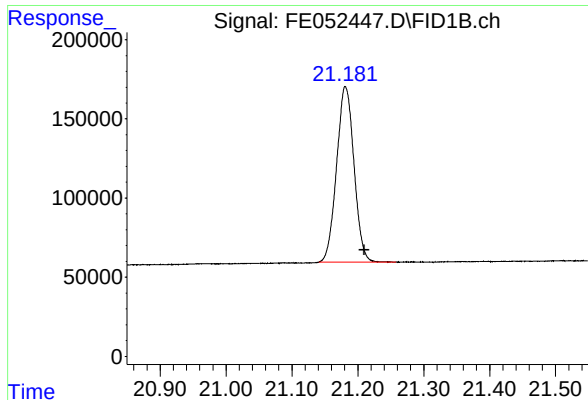
#19 n-Tetatriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.021 min
Response: 2373525
Conc: 16.68 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min
Delta R.T.: -0.023 min
Response: 2091314
Conc: 16.78 ug/ml



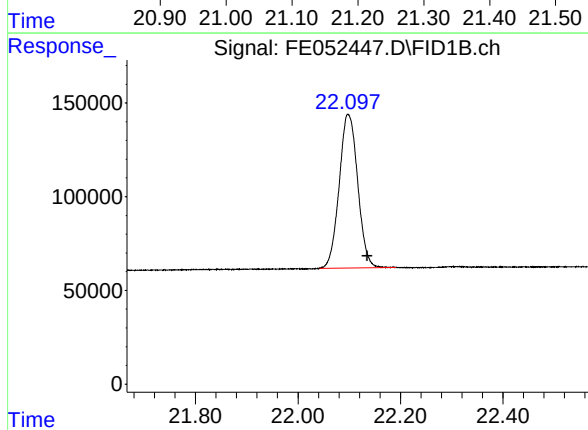
#21 n-Octatriacontane (C38)

R.T.: 21.181 min
Delta R.T.: -0.028 min
Response: 2030259
Conc: 18.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.098 min
Delta R.T.: -0.037 min
Response: 2060898
Conc: 20.49 ug/ml