

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121522AL\
 Data File : FE039325.D
 Signal(s) : FID1B.ch
 Acq On : 15 Dec 2022 12:16
 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 12/15/2022
 Supervised By :Ankita Jodhani 12/16/2022

Integration File: autoint1.e
 Quant Time: Dec 15 15:07:59 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.940	3243194	20.731 ug/ml
Spiked Amount 50.000		Recovery =	41.46%
12) S 1-chlorooctadecane (S...	13.375	2503839	20.737 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
Target Compounds			
1) T n-Nonane (C9)	3.332	2763763	19.498 ug/ml
2) T n-Decane (C10)	4.582	2717052	19.494 ug/ml
3) T A~Naphthalene (C11.7)	6.286	3135712	19.715 ug/ml
4) T n-Dodecane (C12)	6.746	2778254	19.710 ug/ml
5) T A~2-methylnaphthalene...	7.381	2957663	19.762 ug/ml
6) T n-Tetradecane (C14)	8.572	2851157	19.963 ug/ml
7) T n-Hexadecane (C16)	10.179	2976158	20.355 ug/ml
8) T n-Octadecane (C18)	11.621	3032897	20.611 ug/ml
10) T n-Eicosane (C20)	12.931	2955259	20.817 ug/ml
11) T n-Heneicosane (C21)	13.542	2953193	20.783 ug/mlm
13) T n-Docosane (C22)	14.128	2920558	20.893 ug/ml
14) T n-Tetracosane (C24)	15.231	2885910	20.897 ug/ml
15) T n-Hexacosane (C26)	16.251	2792436	20.790 ug/ml
16) T n-Octacosane (C28)	17.202	2764086	20.814 ug/ml
17) T n-Tricontane (C30)	18.090	2767494	20.956 ug/ml
18) T n-Dotriacontane (C32)	18.922	2810516	21.074 ug/mlm
19) T n-Tetratriacontane (C34)	19.708	2763148	20.882 ug/ml
20) T n-Hexatriacontane (C36)	20.448	2626962	20.448 ug/ml
21) T n-Octatriacontane (C38)	21.187	2849168	21.743 ug/ml
22) T n-Tetracontane (C40)	22.105	2632460	19.332 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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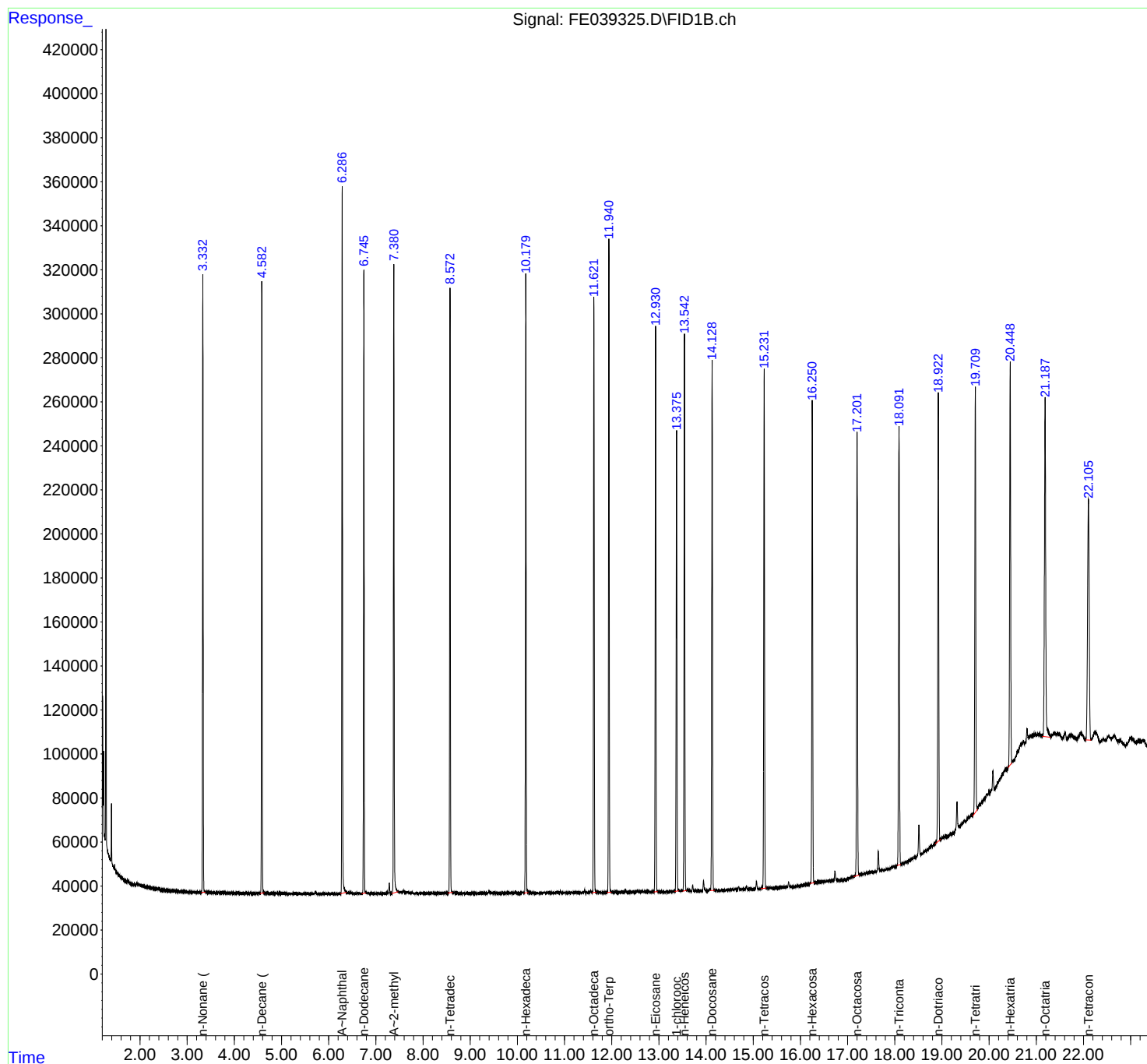
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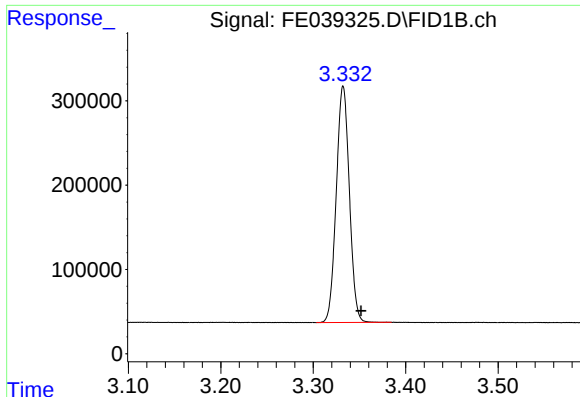
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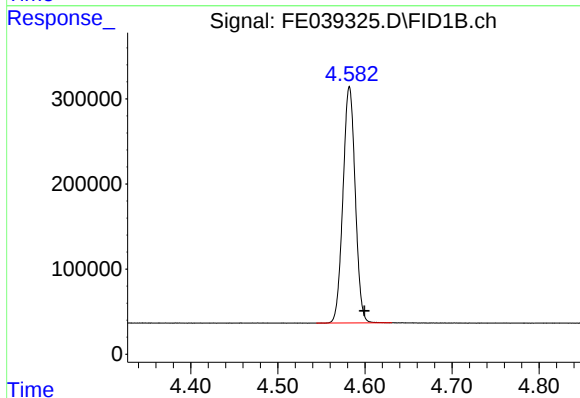
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.020 min
Response: 2763763
Conc: 19.50 ug/ml

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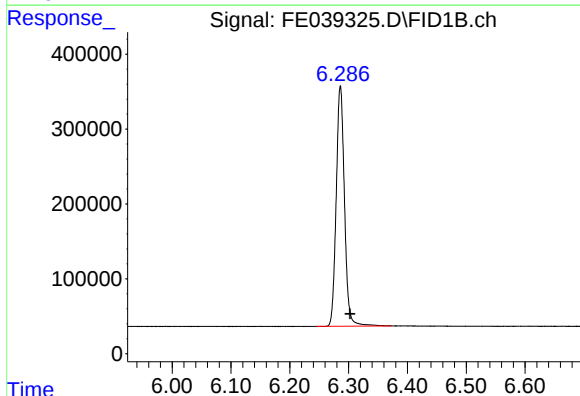
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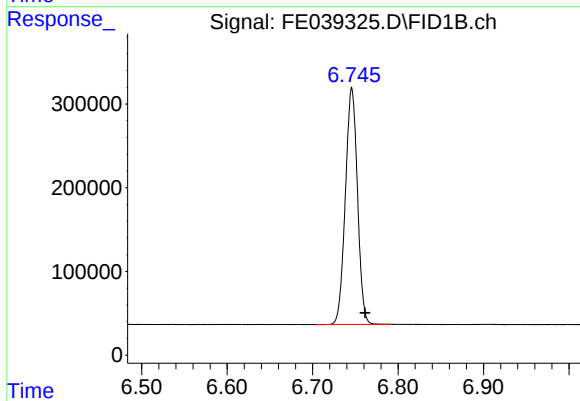
#2 n-Decane (C10)

R.T.: 4.582 min
Delta R.T.: -0.017 min
Response: 2717052
Conc: 19.49 ug/ml



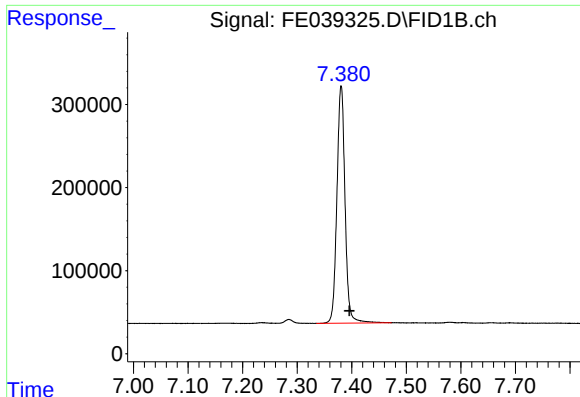
#3 A~Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: -0.016 min
Response: 3135712
Conc: 19.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.746 min
Delta R.T.: -0.016 min
Response: 2778254
Conc: 19.71 ug/ml



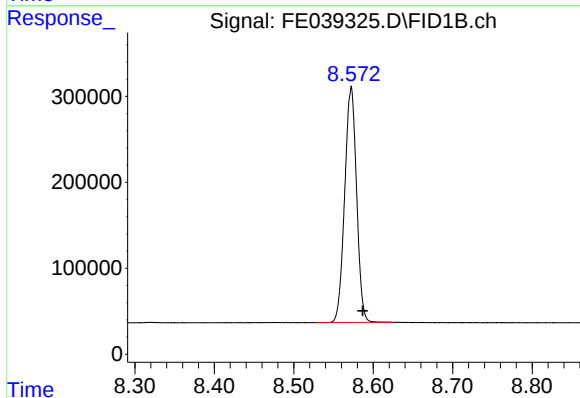
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: -0.015 min
Response: 2957663
Conc: 19.76 ug/ml

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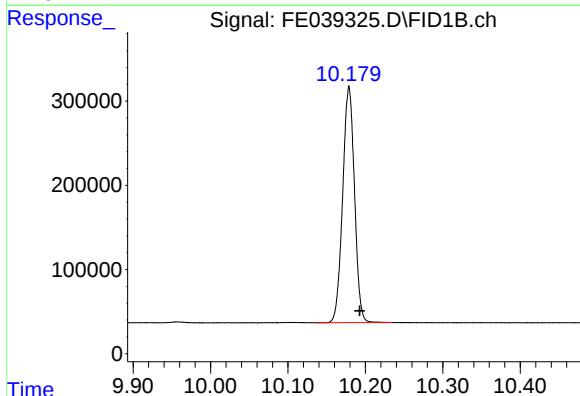
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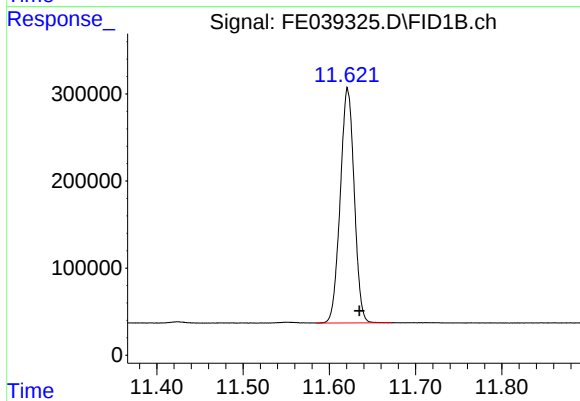
#6 n-Tetradecane (C14)

R.T.: 8.572 min
Delta R.T.: -0.015 min
Response: 2851157
Conc: 19.96 ug/ml



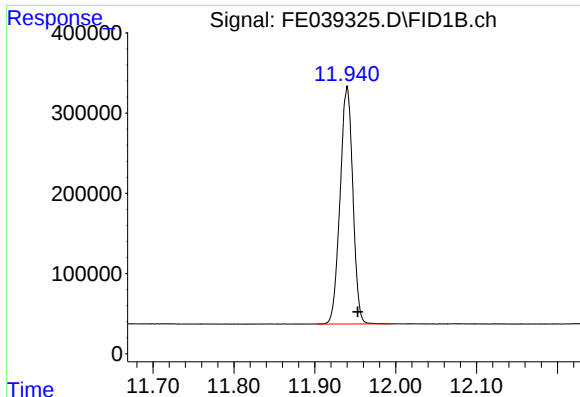
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: -0.014 min
Response: 2976158
Conc: 20.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.621 min
Delta R.T.: -0.014 min
Response: 3032897
Conc: 20.61 ug/ml



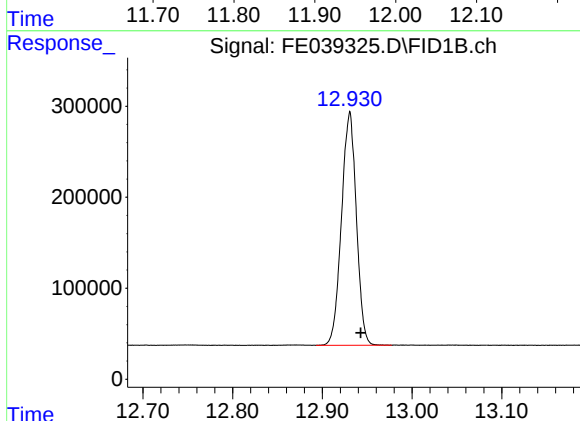
#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: -0.013 min
Response: 3243194
Conc: 20.73 ug/ml

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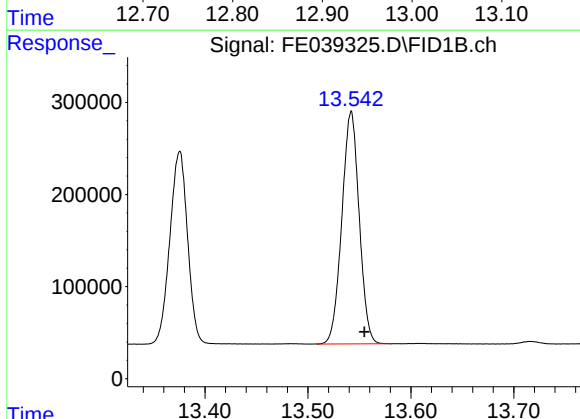
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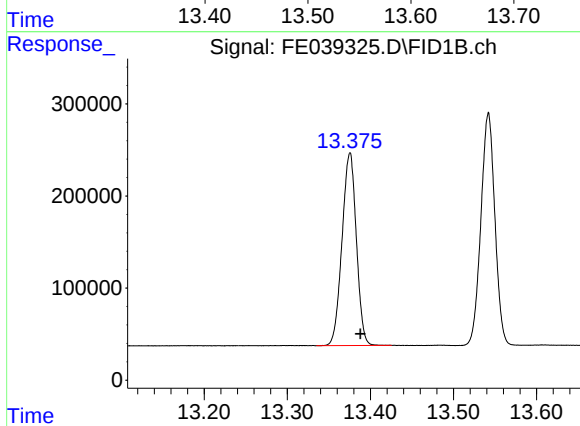
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: -0.012 min
Response: 2955259
Conc: 20.82 ug/ml



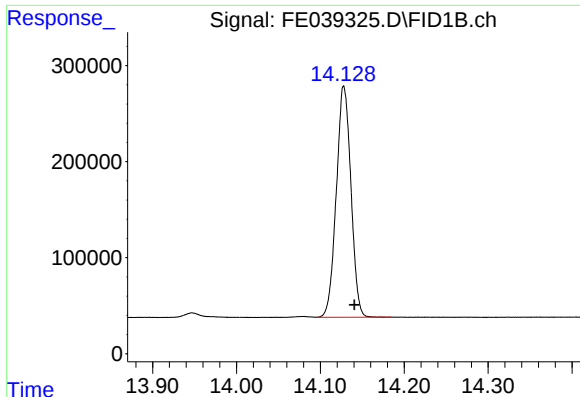
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.013 min
Response: 2953193
Conc: 20.78 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.375 min
Delta R.T.: -0.013 min
Response: 2503839
Conc: 20.74 ug/ml



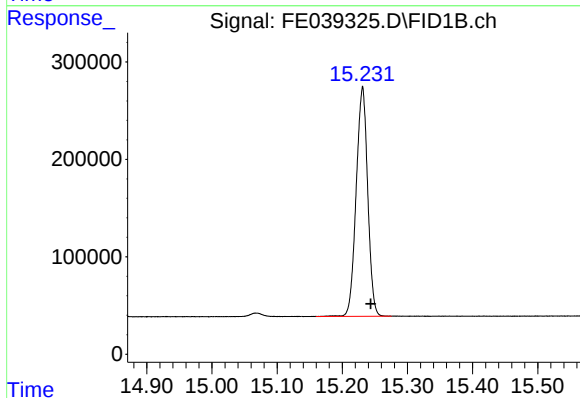
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.013 min
Response: 2920558
Conc: 20.89 ug/ml

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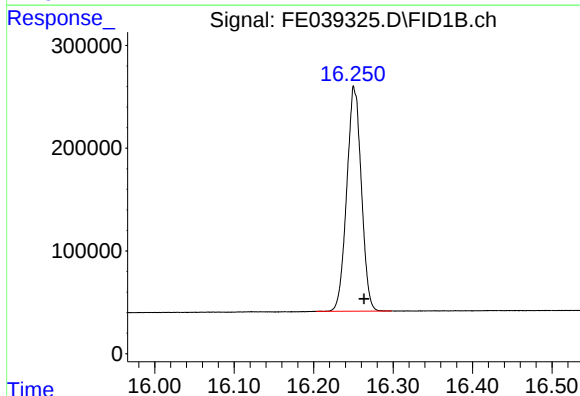
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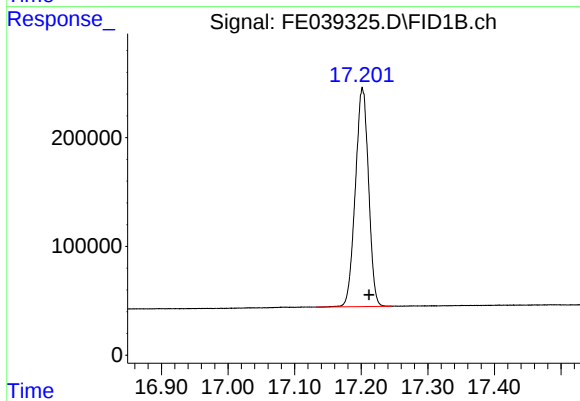
#14 n-Tetracosane (C24)

R.T.: 15.231 min
Delta R.T.: -0.012 min
Response: 2885910
Conc: 20.90 ug/ml



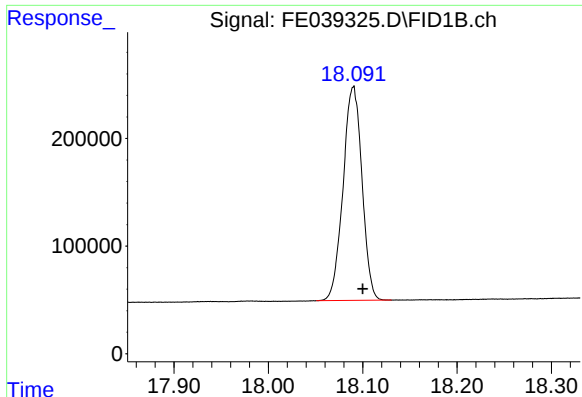
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.012 min
Response: 2792436
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.202 min
Delta R.T.: -0.010 min
Response: 2764086
Conc: 20.81 ug/ml



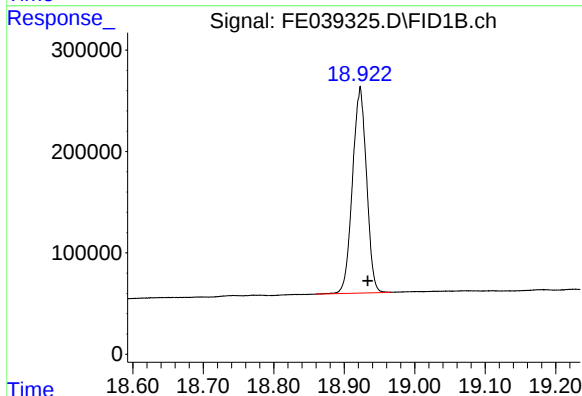
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.010 min
Response: 2767494
Conc: 20.96 ug/ml

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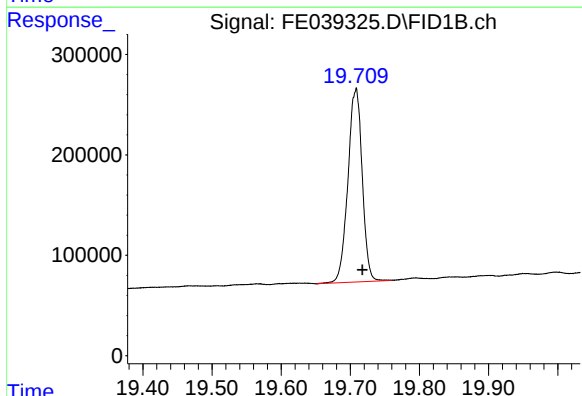
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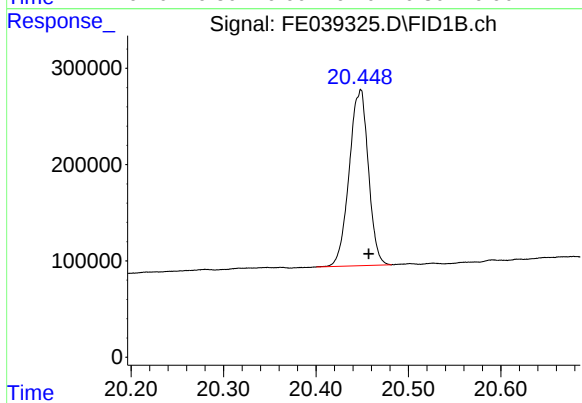
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.011 min
Response: 2810516
Conc: 21.07 ug/ml m



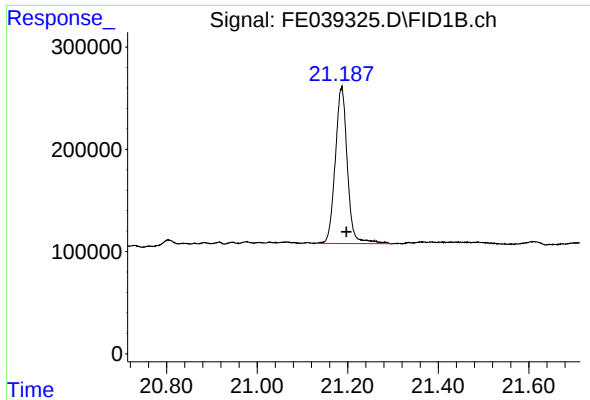
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.009 min
Response: 2763148
Conc: 20.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.009 min
Response: 2626962
Conc: 20.45 ug/ml



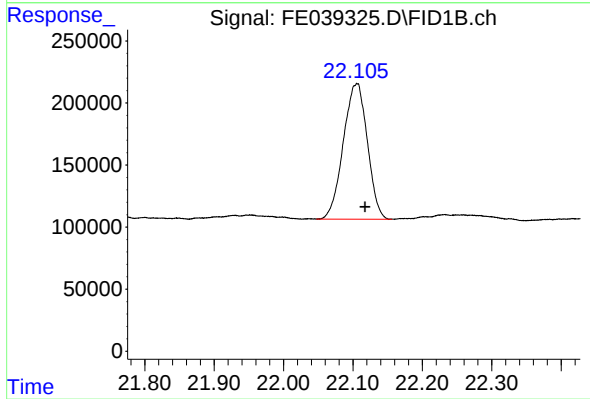
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: -0.011 min
Response: 2849168
Conc: 21.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: -0.013 min
Response: 2632460
Conc: 19.33 ug/ml m