

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121522AL\
 Data File : FE039339.D
 Signal(s) : FID1B.ch
 Acq On : 16 Dec 2022 00:37
 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 12/16/2022
 Supervised By :Ankita Jodhani 12/16/2022

Integration File: autoint1.e
 Quant Time: Dec 16 02:45:19 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)	11.944	3290639	21.035 ug/ml
Spiked Amount 50.000		Recovery =	42.07%
12) S 1-chlorooctadecane (S...	13.380	2550804	21.126 ug/ml
Spiked Amount 50.000		Recovery =	42.25%
Target Compounds			
1) T n-Nonane (C9)	3.335	2797014	19.732 ug/ml
2) T n-Decane (C10)	4.585	2758961	19.795 ug/ml
3) T A~Naphthalene (C11.7)	6.289	3194410	20.084 ug/ml
4) T n-Dodecane (C12)	6.749	2833436	20.101 ug/ml
5) T A~2-methylnaphthalene...	7.385	3017696	20.163 ug/ml
6) T n-Tetradecane (C14)	8.576	2917691	20.429 ug/ml
7) T n-Hexadecane (C16)	10.183	3040739	20.797 ug/ml
8) T n-Octadecane (C18)	11.626	3091625	21.010 ug/ml
10) T n-Eicosane (C20)	12.936	3003139	21.154 ug/ml
11) T n-Heneicosane (C21)	13.548	3003111	21.134 ug/ml
13) T n-Docosane (C22)	14.134	2970021	21.247 ug/ml
14) T n-Tetracosane (C24)	15.237	2929066	21.209 ug/ml
15) T n-Hexacosane (C26)	16.258	2816081	20.966 ug/ml
16) T n-Octacosane (C28)	17.209	2799788	21.083 ug/ml
17) T n-Tricontane (C30)	18.097	2812959	21.300 ug/ml
18) T n-Dotriacontane (C32)	18.927	2873892	21.549 ug/mlm
19) T n-Tetratriacontane (C34)	19.715	2799346	21.155 ug/ml
20) T n-Hexatriacontane (C36)	20.456	2701487	21.028 ug/ml
21) T n-Octatriacontane (C38)	21.197	2955775	22.557 ug/mlm
22) T n-Tetracontane (C40)	22.116	2732227	20.065 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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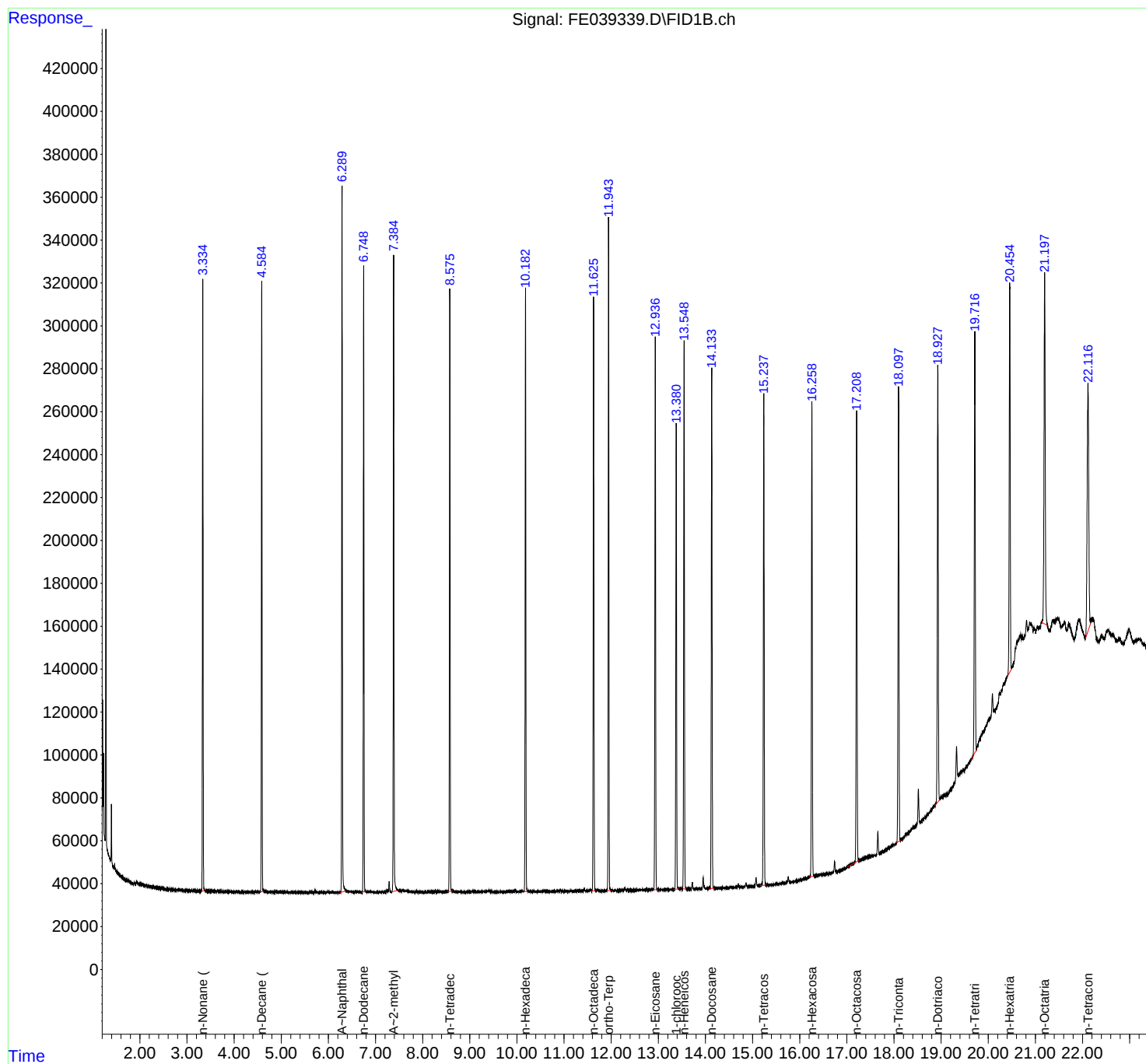
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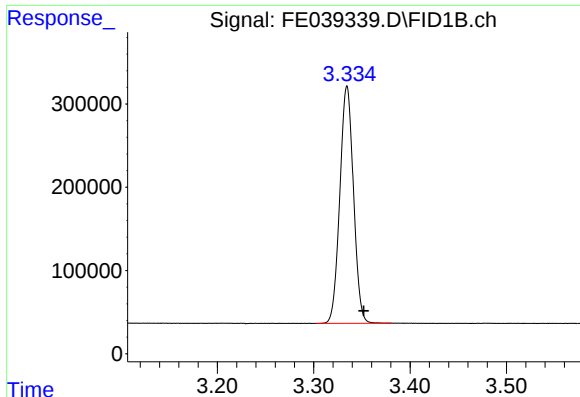
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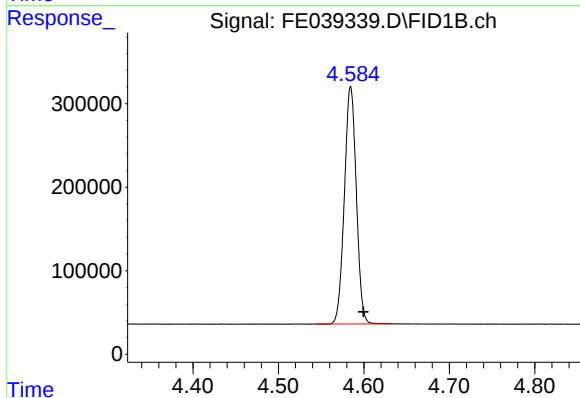
#1 n-Nonane (C9)

R.T.: 3.335 min
Delta R.T.: -0.017 min
Response: 2797014
Conc: 19.73 ug/ml

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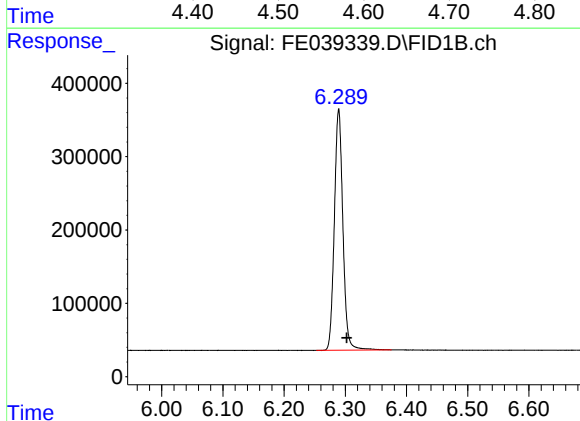
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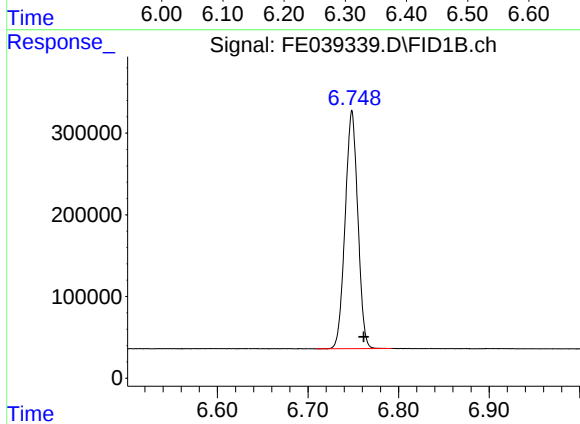
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: -0.015 min
Response: 2758961
Conc: 19.79 ug/ml



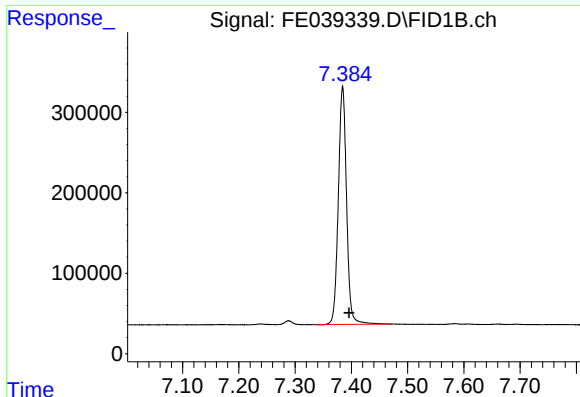
#3 A~Naphthalene (C11.7)

R.T.: 6.289 min
Delta R.T.: -0.013 min
Response: 3194410
Conc: 20.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.749 min
Delta R.T.: -0.013 min
Response: 2833436
Conc: 20.10 ug/ml



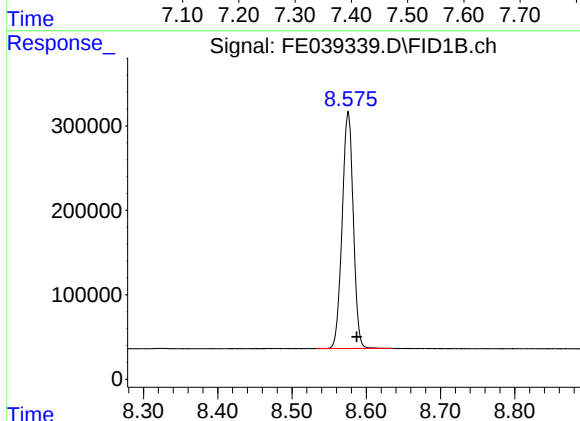
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.011 min
Response: 3017696
Conc: 20.16 ug/ml

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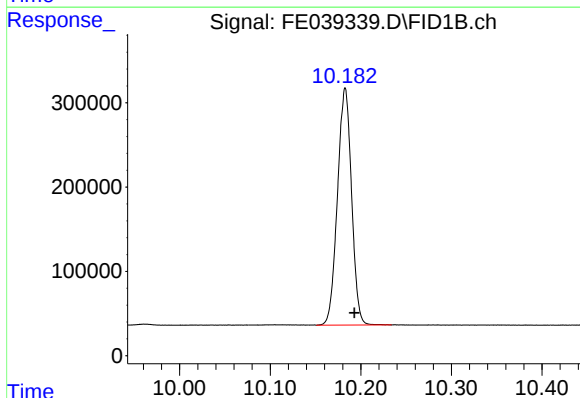
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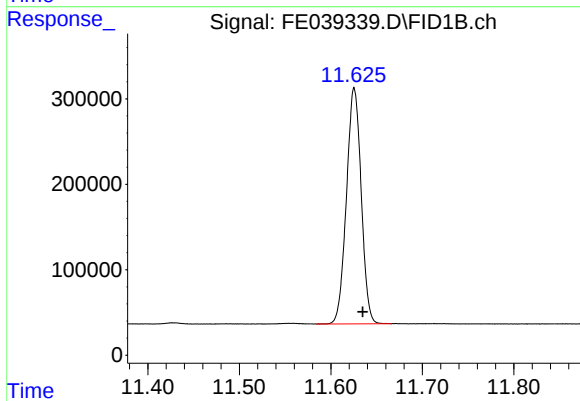
#6 n-Tetradecane (C14)

R.T.: 8.576 min
Delta R.T.: -0.011 min
Response: 2917691
Conc: 20.43 ug/ml



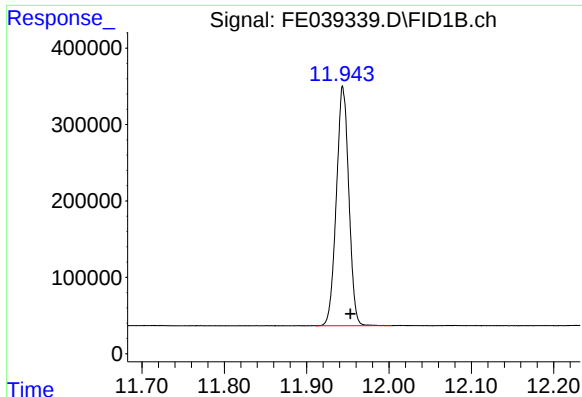
#7 n-Hexadecane (C16)

R.T.: 10.183 min
Delta R.T.: -0.010 min
Response: 3040739
Conc: 20.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.626 min
Delta R.T.: -0.009 min
Response: 3091625
Conc: 21.01 ug/ml



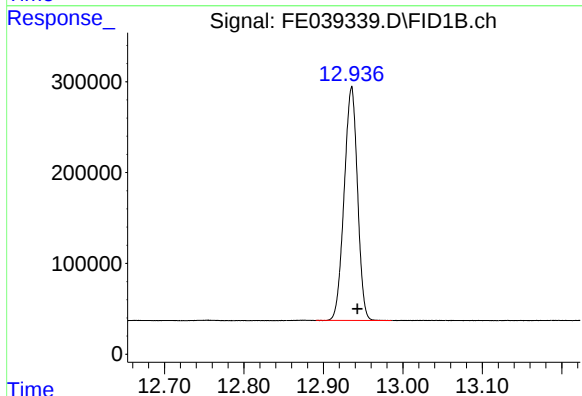
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.009 min
Response: 3290639
Conc: 21.03 ug/ml

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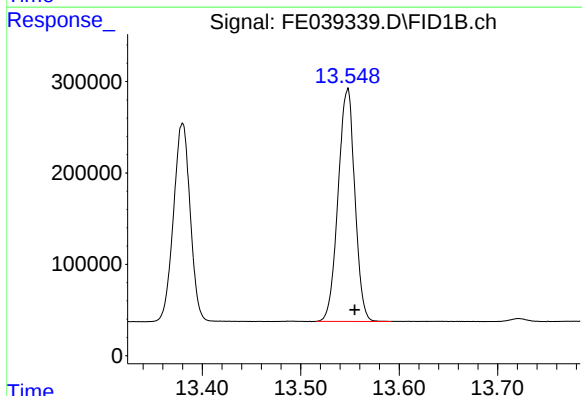
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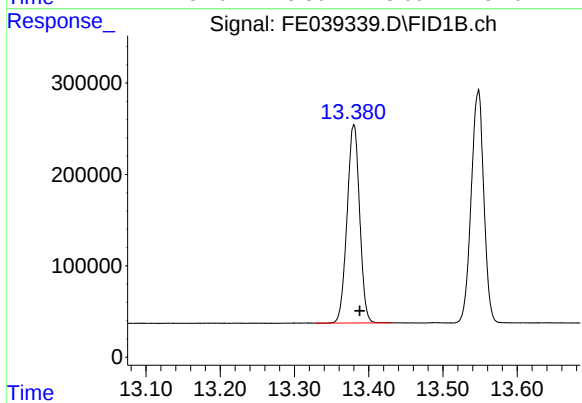
#10 n-Eicosane (C20)

R.T.: 12.936 min
Delta R.T.: -0.007 min
Response: 3003139
Conc: 21.15 ug/ml



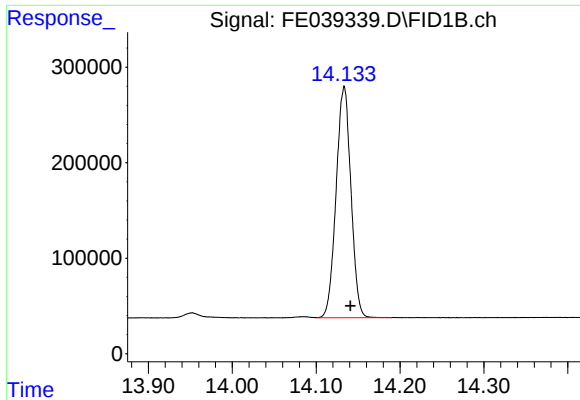
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: -0.007 min
Response: 3003111
Conc: 21.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.008 min
Response: 2550804
Conc: 21.13 ug/ml



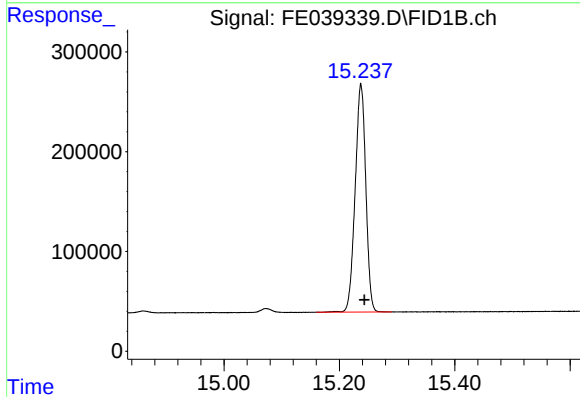
#13 n-Docosane (C22)

R.T.: 14.134 min
Delta R.T.: -0.007 min
Response: 2970021
Conc: 21.25 ug/ml

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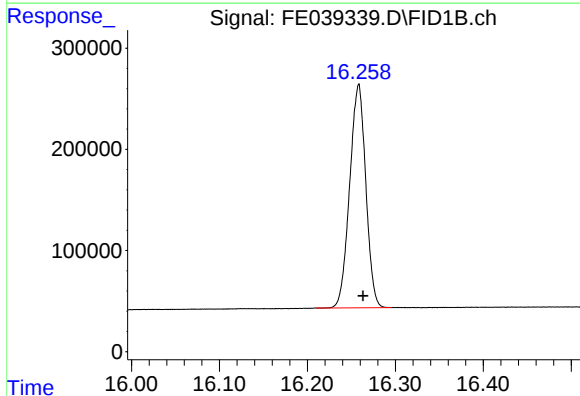
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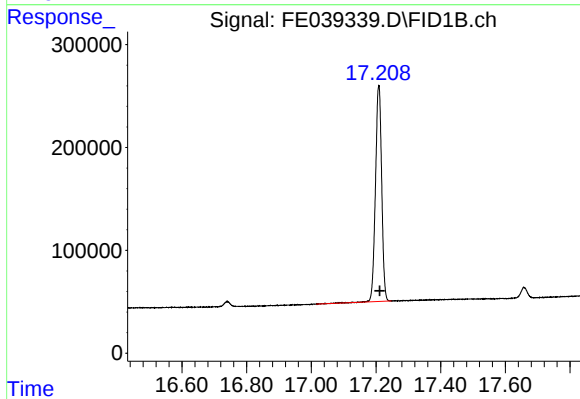
#14 n-Tetracosane (C24)

R.T.: 15.237 min
Delta R.T.: -0.006 min
Response: 2929066
Conc: 21.21 ug/ml



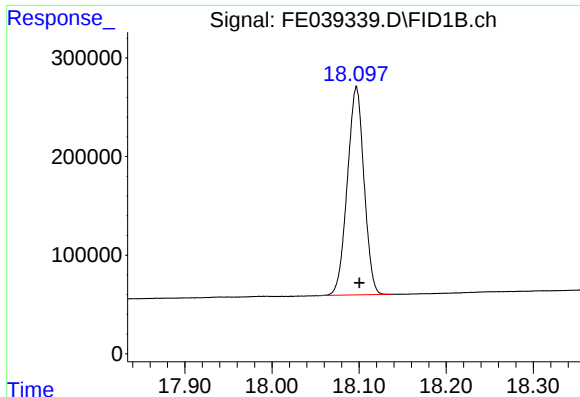
#15 n-Hexacosane (C26)

R.T.: 16.258 min
Delta R.T.: -0.005 min
Response: 2816081
Conc: 20.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.209 min
Delta R.T.: -0.003 min
Response: 2799788
Conc: 21.08 ug/ml



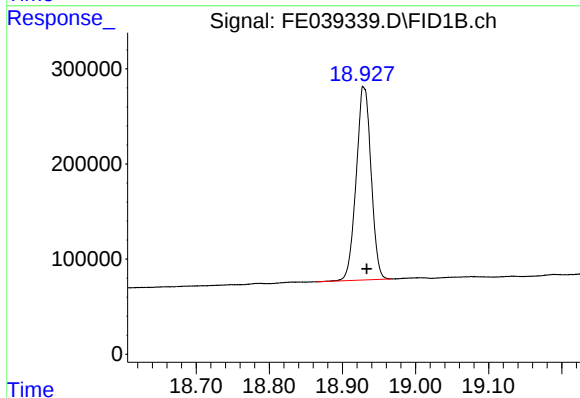
#17 n-Tricontane (C30)

R.T.: 18.097 min
Delta R.T.: -0.003 min
Response: 2812959
Conc: 21.30 ug/ml

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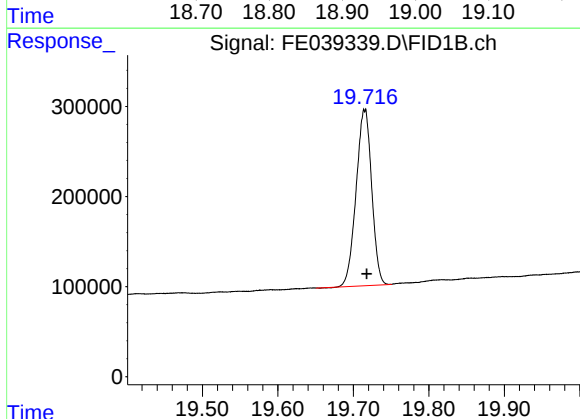
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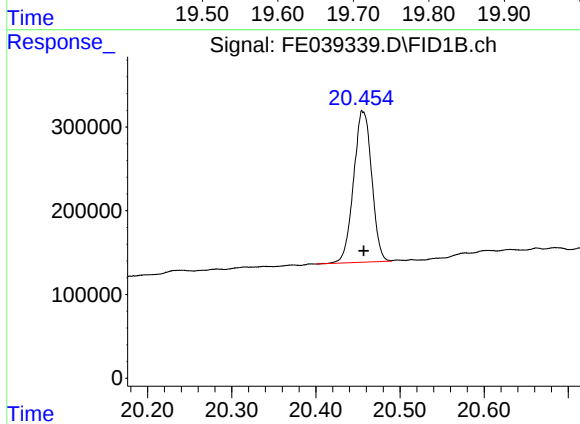
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.006 min
Response: 2873892
Conc: 21.55 ug/ml m



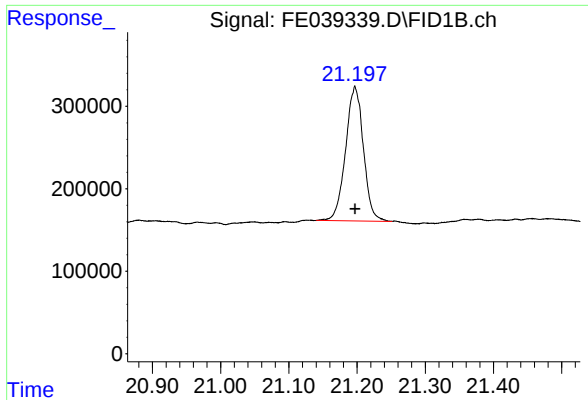
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: -0.003 min
Response: 2799346
Conc: 21.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.000 min
Response: 2701487
Conc: 21.03 ug/ml



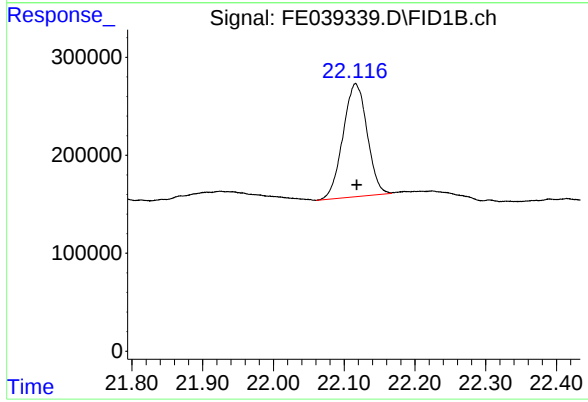
#21 n-Octatriacontane (C38)

R.T.: 21.197 min
Delta R.T.: 0.000 min
Response: 2955775
Conc: 22.56 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.116 min
Delta R.T.: -0.002 min
Response: 2732227
Conc: 20.07 ug/ml