

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122222AL\
 Data File : FE039435.D
 Signal(s) : FID1B.ch
 Acq On : 22 Dec 2022 11:28
 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 12/23/2022
 Supervised By :Ankita Jodhani 12/23/2022

Integration File: autoint1.e
 Quant Time: Dec 22 17:45:50 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 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)	11.931	2957017	19.815 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
12) S 1-chlorooctadecane (S...	13.366	2240993	19.470 ug/ml
Spiked Amount 50.000		Recovery =	38.94%
Target Compounds			
1) T n-Nonane (C9)	3.325	2425255	18.763 ug/ml
2) T n-Decane (C10)	4.575	2441318	19.159 ug/ml
3) T A~Naphthalene (C11.7)	6.278	2818201	19.495 ug/ml
4) T n-Dodecane (C12)	6.739	2466455	18.998 ug/ml
5) T A~2-methylnaphthalene...	7.373	2643443	19.519 ug/ml
6) T n-Tetradecane (C14)	8.564	2527914	19.077 ug/ml
7) T n-Hexadecane (C16)	10.171	2648155	19.249 ug/ml
8) T n-Octadecane (C18)	11.613	2722290	19.436 ug/ml
10) T n-Eicosane (C20)	12.921	2668457	19.548 ug/ml
11) T n-Heneicosane (C21)	13.532	2678560	19.639 ug/mlm
13) T n-Docosane (C22)	14.120	2645924	19.560 ug/ml
14) T n-Tetracosane (C24)	15.222	2616929	19.494 ug/ml
15) T n-Hexacosane (C26)	16.243	2537453	19.487 ug/ml
16) T n-Octacosane (C28)	17.193	2567006	19.945 ug/ml
17) T n-Tricontane (C30)	18.079	2708290	21.035 ug/mlm
18) T n-Dotriacontane (C32)	18.912	2767009	21.367 ug/ml
19) T n-Tetratriacontane (C34)	19.695	2609177	20.681 ug/ml
20) T n-Hexatriacontane (C36)	20.435	2367248	19.577 ug/ml
21) T n-Octatriacontane (C38)	21.171	2300429	18.627 ug/ml
22) T n-Tetracontane (C40)	22.084	2249126	17.909 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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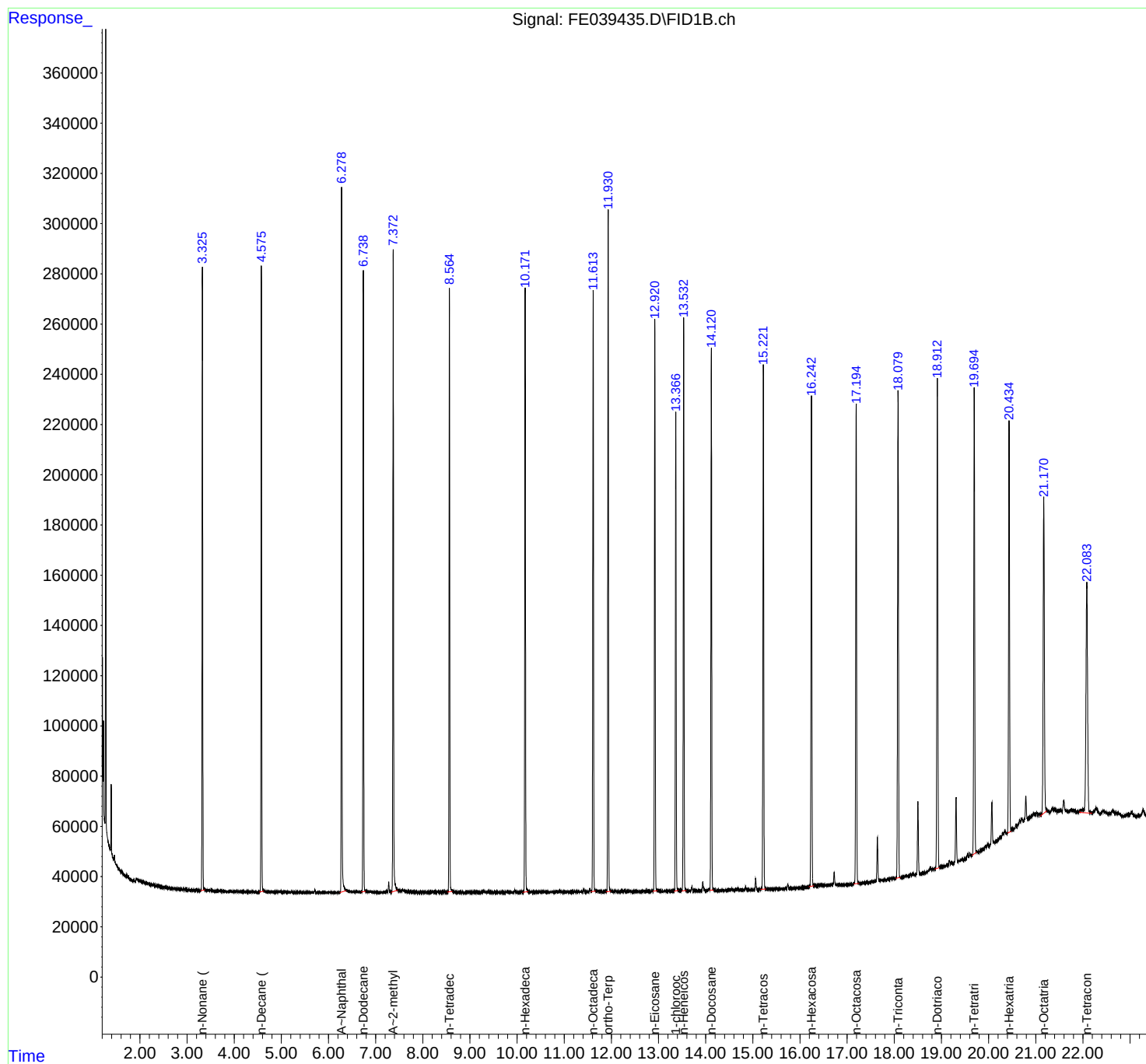
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20 PPM ALIPHATIC HC STD

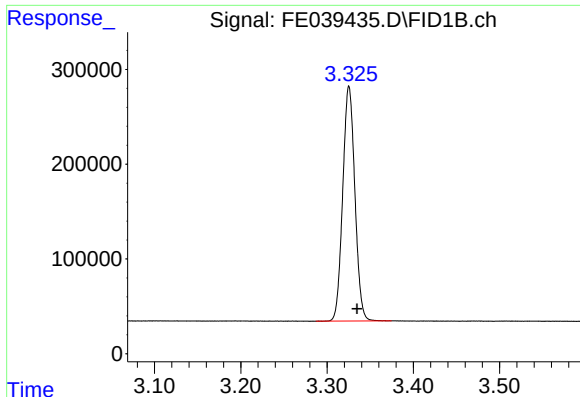
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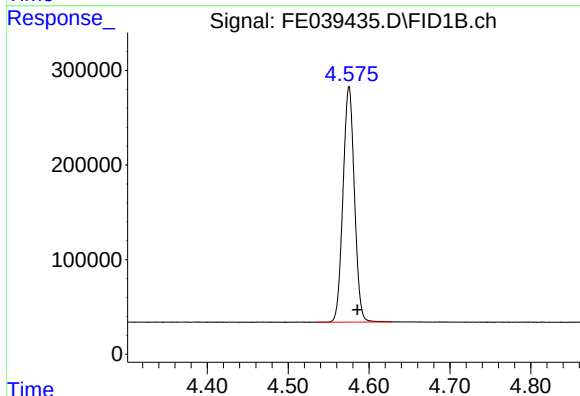
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: -0.010 min
Response: 2425255
Conc: 18.76 ug/ml

Instrument :
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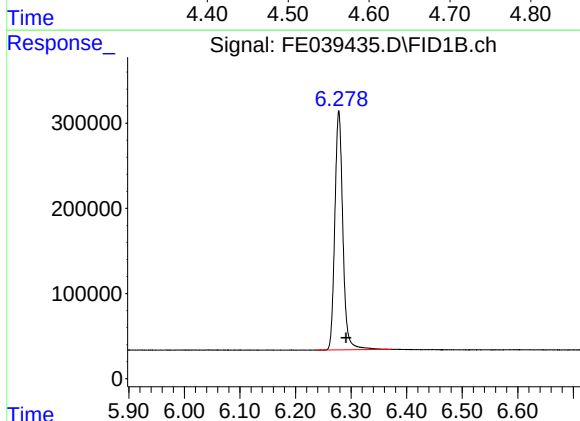
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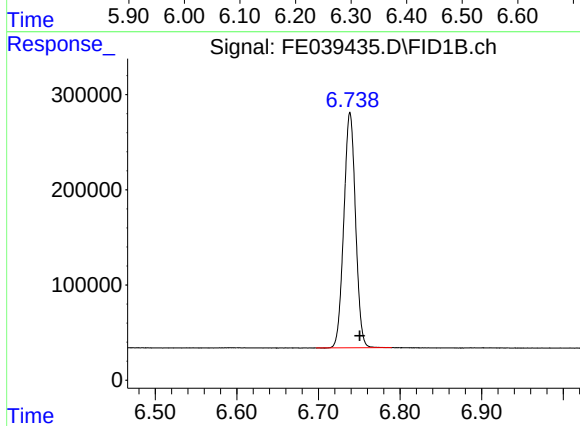
#2 n-Decane (C10)

R.T.: 4.575 min
Delta R.T.: -0.010 min
Response: 2441318
Conc: 19.16 ug/ml



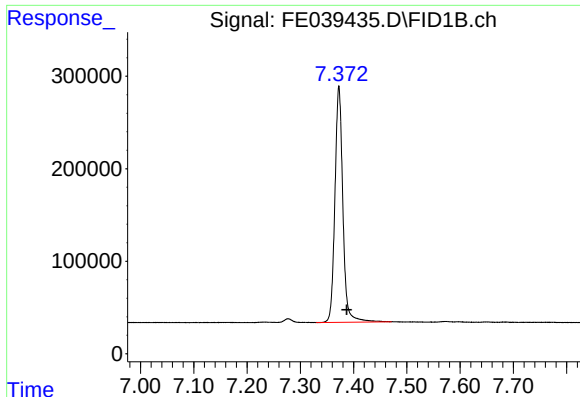
#3 A~Naphthalene (C11.7)

R.T.: 6.278 min
Delta R.T.: -0.013 min
Response: 2818201
Conc: 19.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: -0.012 min
Response: 2466455
Conc: 19.00 ug/ml



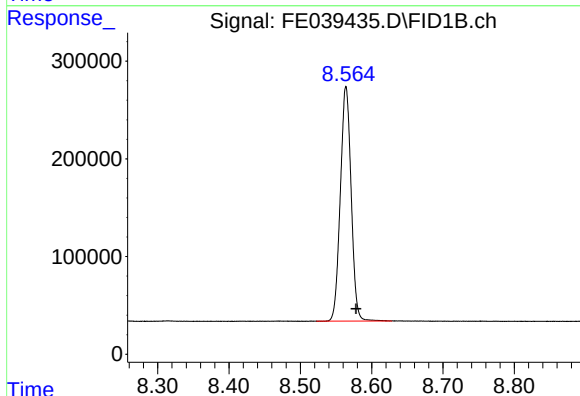
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: -0.014 min
Response: 2643443
Conc: 19.52 ug/ml

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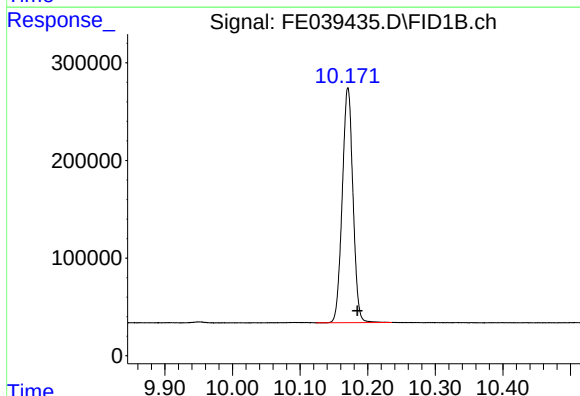
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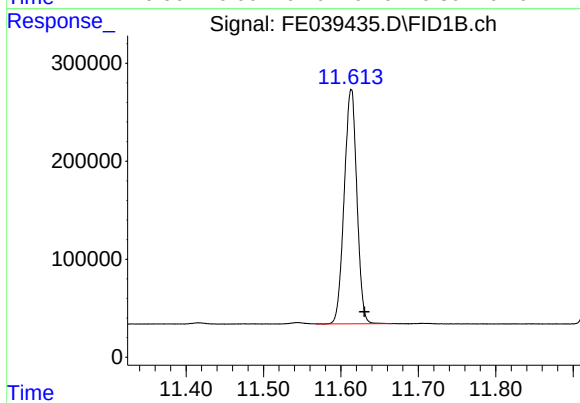
#6 n-Tetradecane (C14)

R.T.: 8.564 min
Delta R.T.: -0.014 min
Response: 2527914
Conc: 19.08 ug/ml



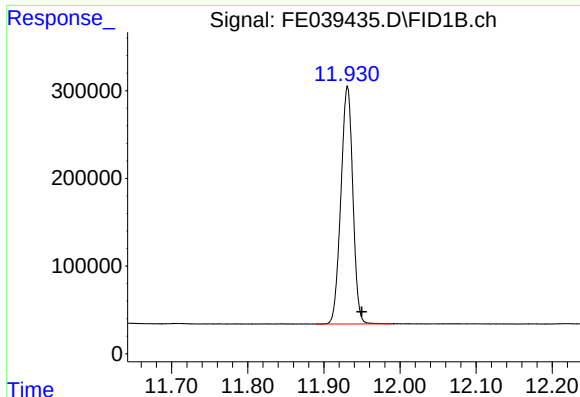
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: -0.014 min
Response: 2648155
Conc: 19.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: -0.017 min
Response: 2722290
Conc: 19.44 ug/ml



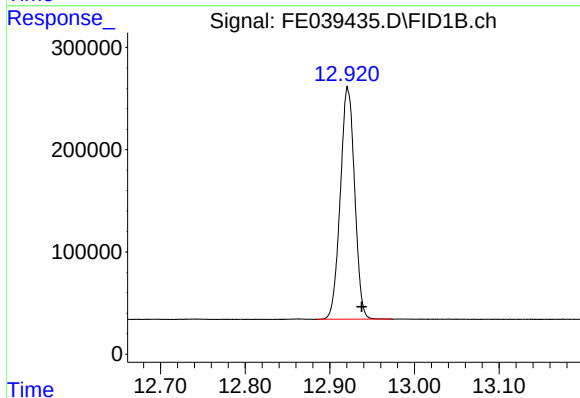
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.019 min
Response: 2957017
Conc: 19.81 ug/ml

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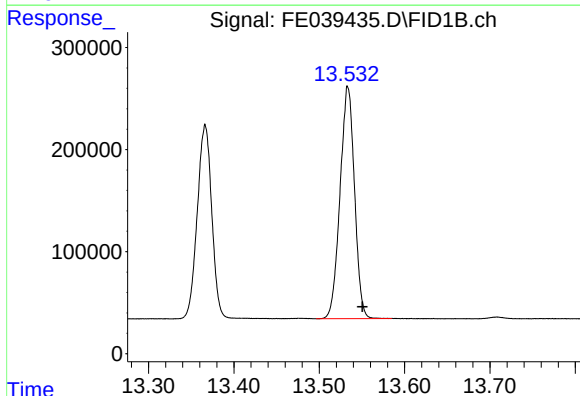
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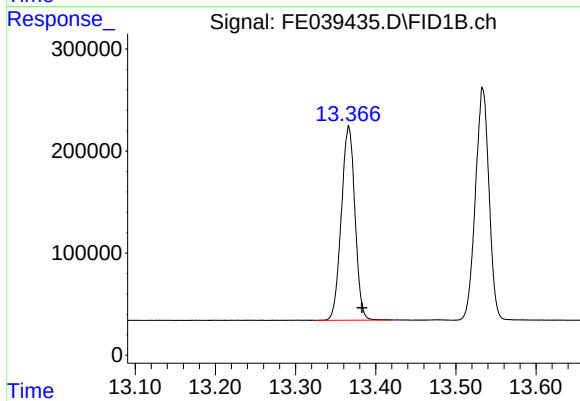
#10 n-Eicosane (C20)

R.T.: 12.921 min
Delta R.T.: -0.017 min
Response: 2668457
Conc: 19.55 ug/ml



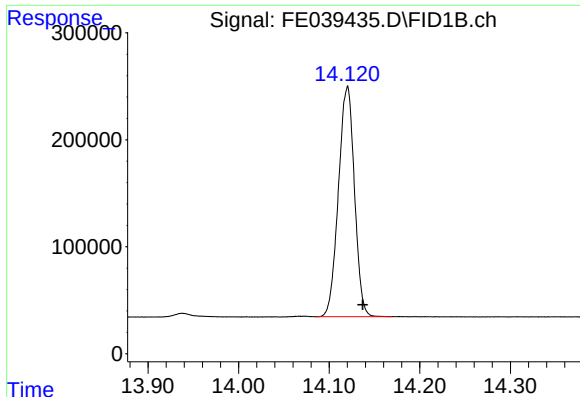
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: -0.018 min
Response: 2678560
Conc: 19.64 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.366 min
Delta R.T.: -0.016 min
Response: 2240993
Conc: 19.47 ug/ml



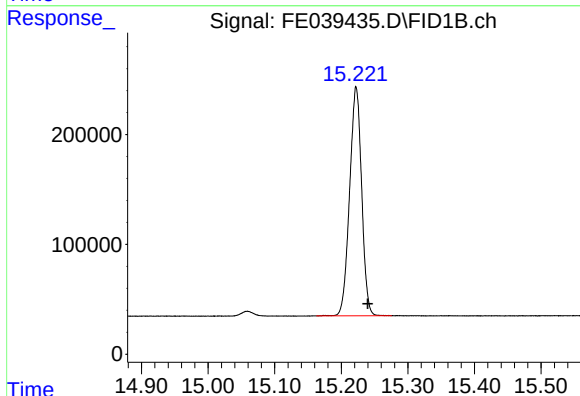
#13 n-Docosane (C22)

R.T.: 14.120 min
Delta R.T.: -0.017 min
Response: 2645924
Conc: 19.56 ug/ml

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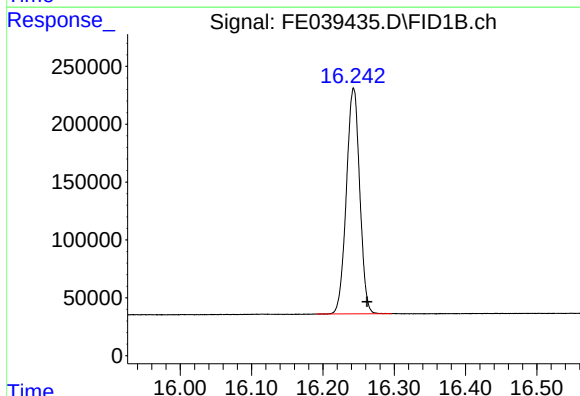
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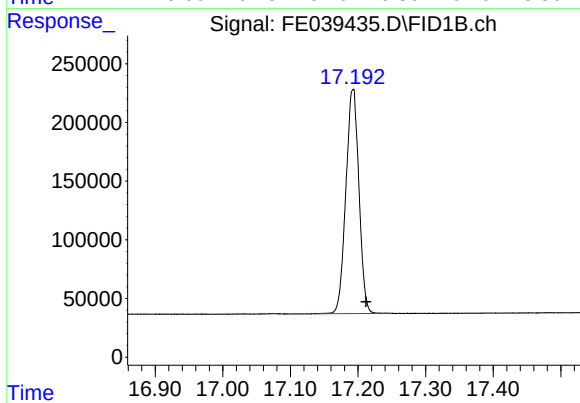
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.017 min
Response: 2616929
Conc: 19.49 ug/ml



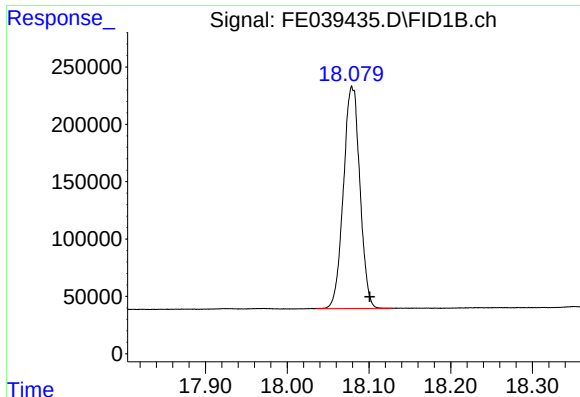
#15 n-Hexacosane (C26)

R.T.: 16.243 min
Delta R.T.: -0.019 min
Response: 2537453
Conc: 19.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.020 min
Response: 2567006
Conc: 19.95 ug/ml



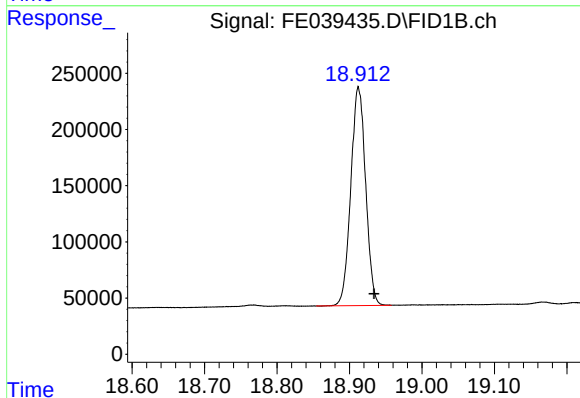
#17 n-Tricontane (C30)

R.T.: 18.079 min
Delta R.T.: -0.022 min
Response: 2708290
Conc: 21.04 ug/ml

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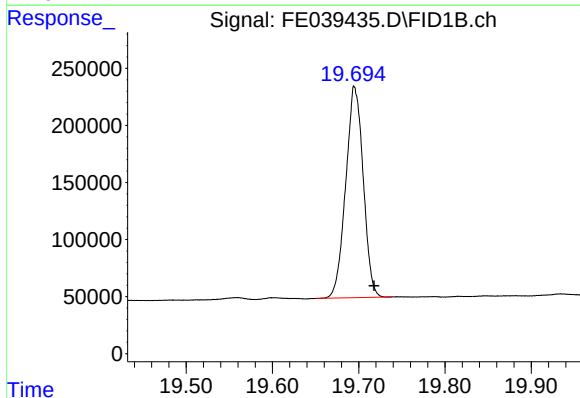
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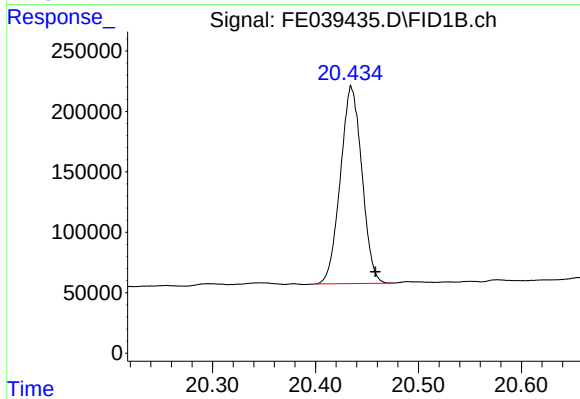
#18 n-Dotriacontane (C32)

R.T.: 18.912 min
Delta R.T.: -0.022 min
Response: 2767009
Conc: 21.37 ug/ml



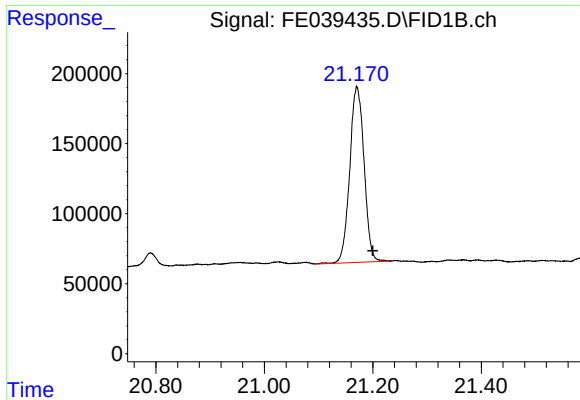
#19 n-Tetratriacontane (C34)

R.T.: 19.695 min
Delta R.T.: -0.023 min
Response: 2609177
Conc: 20.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.435 min
Delta R.T.: -0.023 min
Response: 2367248
Conc: 19.58 ug/ml



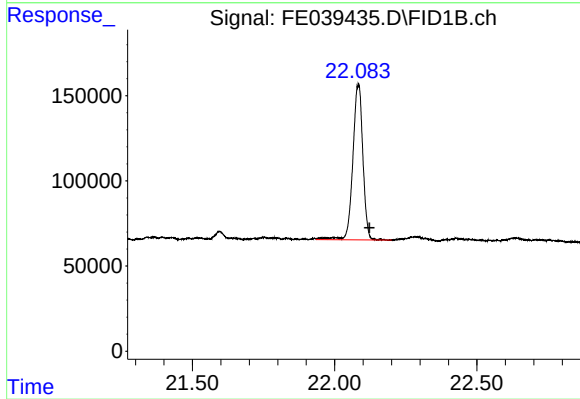
#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: -0.029 min
Response: 2300429
Conc: 18.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.084 min
Delta R.T.: -0.039 min
Response: 2249126
Conc: 17.91 ug/ml