

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110323AL\
 Data File : FE045170.D
 Signal(s) : FID1B.ch
 Acq On : 03 Nov 2023 06:33
 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 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 03 23:02:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 2023
 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)	11.890	3733883	18.626 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
12) S 1-chlorooctadecane (S...	13.332	2679789	18.108 ug/ml
Spiked Amount 50.000		Recovery =	36.22%
Target Compounds			
1) T n-Nonane (C9)	3.275	3232063	19.267 ug/ml
2) T n-Decane (C10)	4.527	3290289	19.315 ug/ml
3) T A~Naphthalene (C11.7)	6.227	3532217	19.081 ug/ml
4) T n-Dodecane (C12)	6.693	3314153	19.199 ug/ml
5) T A~2-methylnaphthalene...	7.323	3398796	18.841 ug/ml
6) T n-Tetradecane (C14)	8.519	3259356	19.007 ug/ml
7) T n-Hexadecane (C16)	10.130	3285478	18.788 ug/ml
8) T n-Octadecane (C18)	11.575	3262945	18.708 ug/ml
10) T n-Eicosane (C20)	12.887	3086019	18.476 ug/ml
11) T n-Heneicosane (C21)	13.501	2991273	18.350 ug/ml
13) T n-Docosane (C22)	14.087	2946033	18.418 ug/ml
14) T n-Tetracosane (C24)	15.193	2894217	18.649 ug/ml
15) T n-Hexacosane (C26)	16.216	2840867	18.922 ug/ml
16) T n-Octacosane (C28)	17.168	2839941	19.340 ug/ml
17) T n-Tricontane (C30)	18.057	2929419	19.696 ug/ml
18) T n-Dotriacontane (C32)	18.892	2977702	19.839 ug/ml
19) T n-Tetratriacontane (C34)	19.678	3046326	20.464 ug/mlm
20) T n-Hexatriacontane (C36)	20.420	3139585	20.421 ug/ml
21) T n-Octatriacontane (C38)	21.162	3172299	20.308 ug/mlm
22) T n-Tetracontane (C40)	22.076	3239992	19.387 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

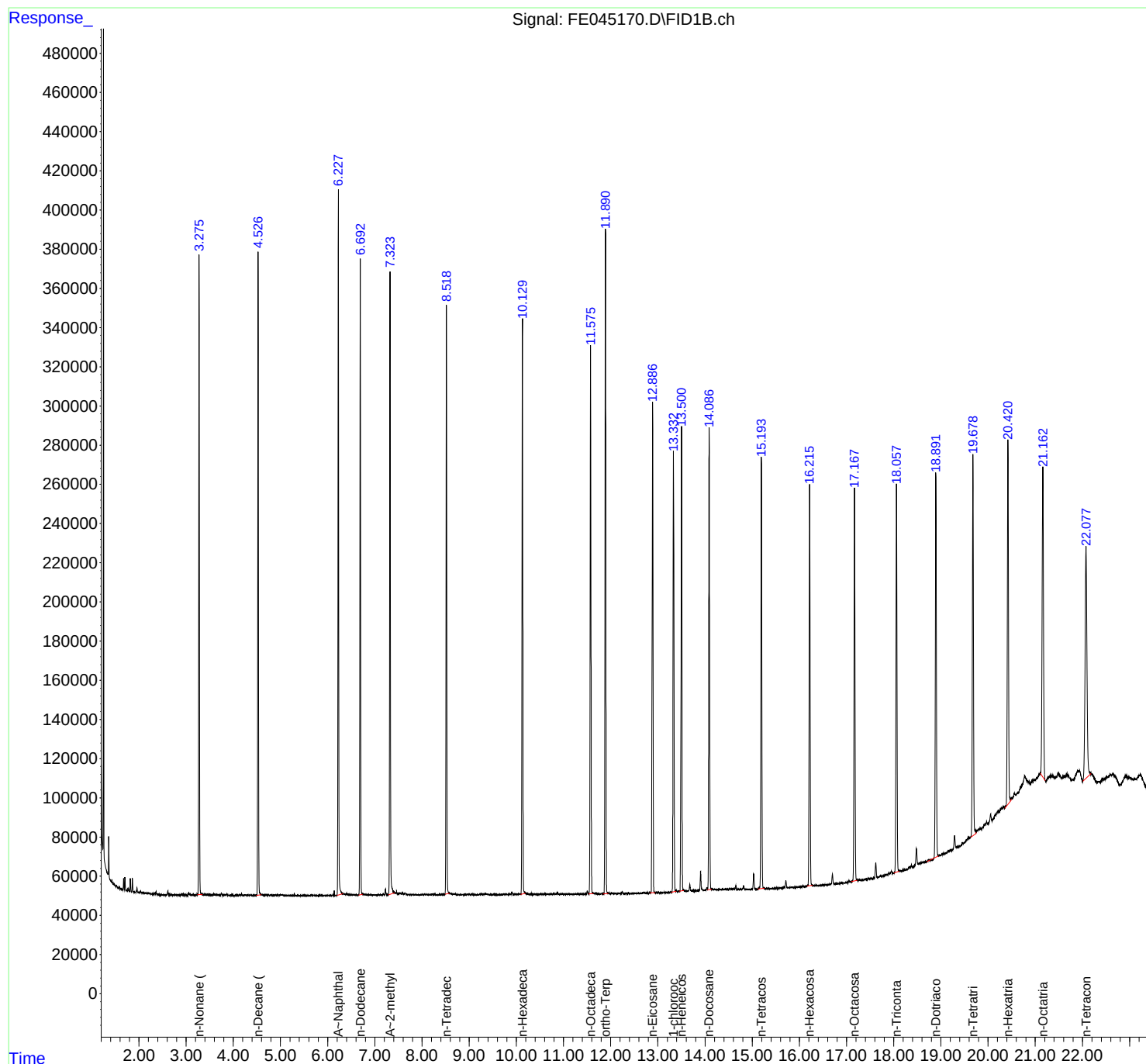
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

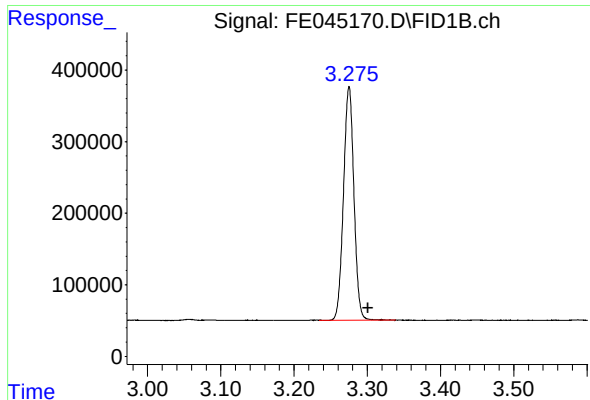
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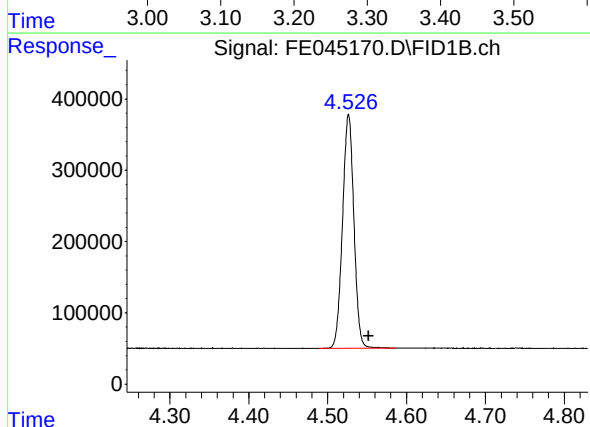
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: -0.026 min
Response: 3232063
Conc: 19.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

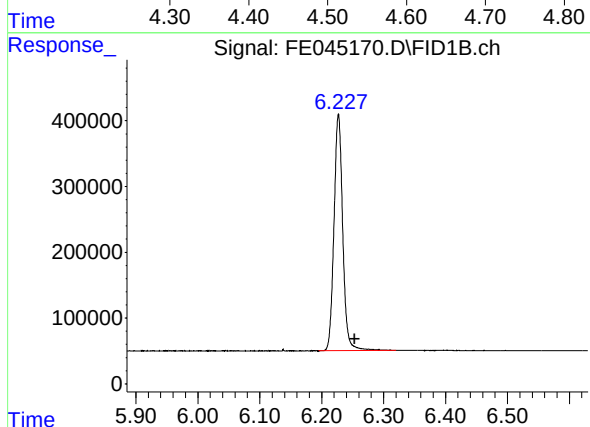
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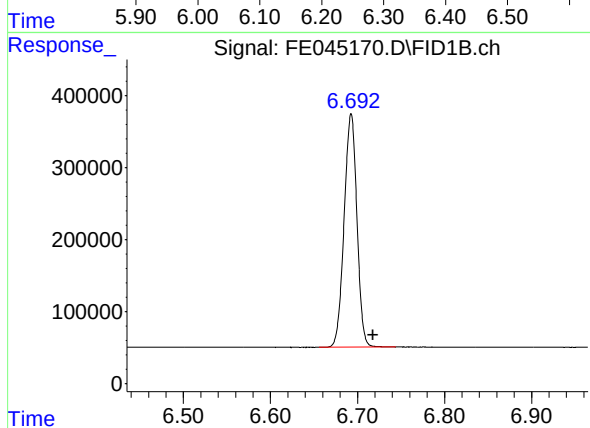
#2 n-Decane (C10)

R.T.: 4.527 min
Delta R.T.: -0.025 min
Response: 3290289
Conc: 19.31 ug/ml



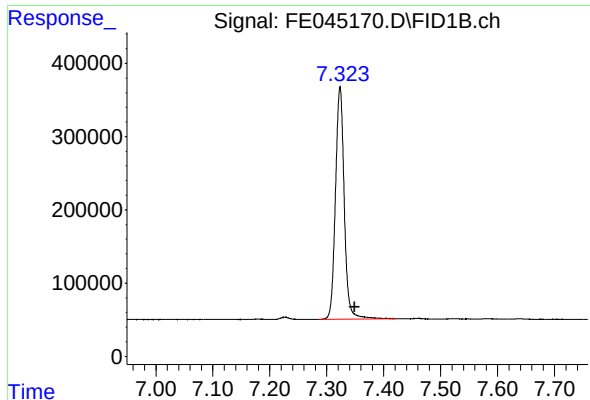
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.026 min
Response: 3532217
Conc: 19.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.693 min
Delta R.T.: -0.025 min
Response: 3314153
Conc: 19.20 ug/ml



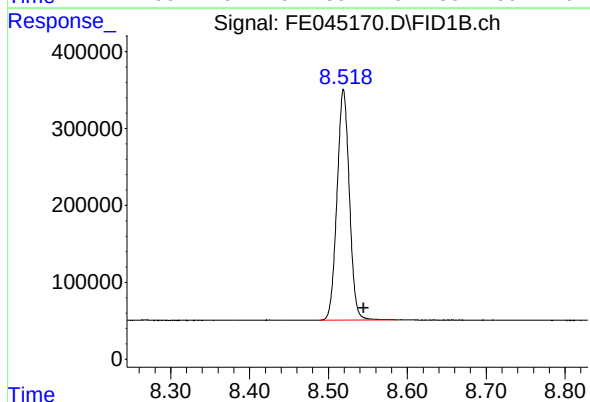
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.026 min
Response: 3398796
Conc: 18.84 ug/ml

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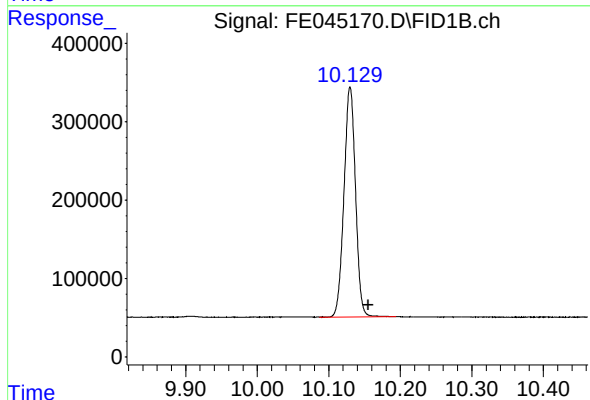
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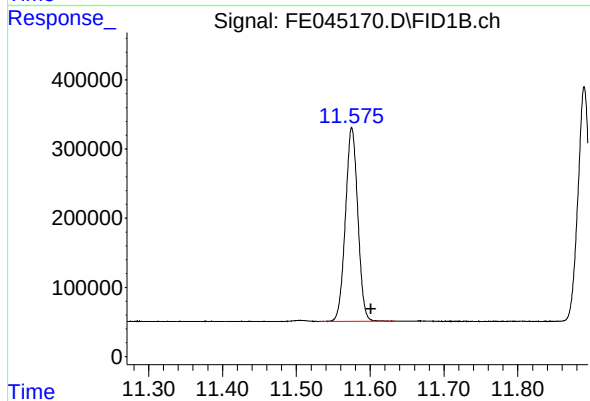
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: -0.025 min
Response: 3259356
Conc: 19.01 ug/ml



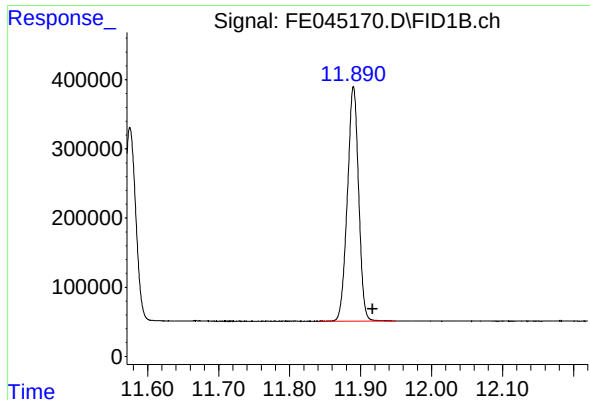
#7 n-Hexadecane (C16)

R.T.: 10.130 min
Delta R.T.: -0.025 min
Response: 3285478
Conc: 18.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.026 min
Response: 3262945
Conc: 18.71 ug/ml



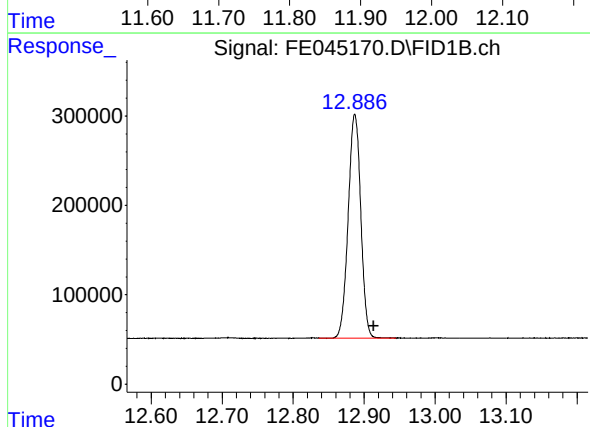
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.027 min
Response: 3733883
Conc: 18.63 ug/ml

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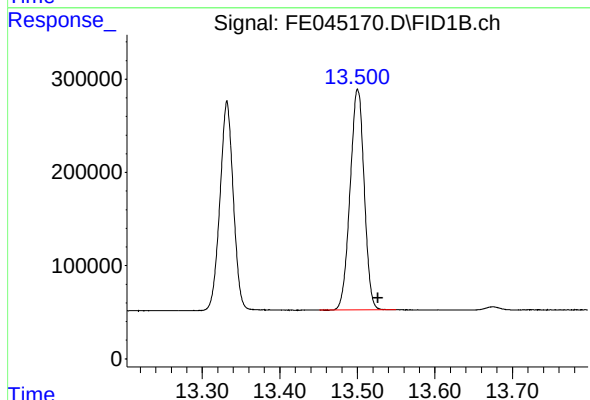
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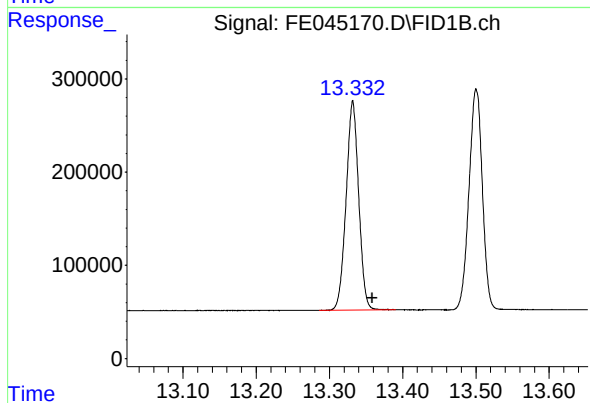
#10 n-Eicosane (C20)

R.T.: 12.887 min
Delta R.T.: -0.027 min
Response: 3086019
Conc: 18.48 ug/ml



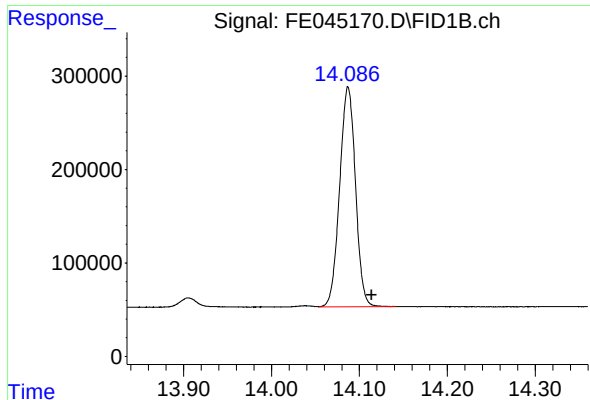
#11 n-Heneicosane (C21)

R.T.: 13.501 min
Delta R.T.: -0.026 min
Response: 2991273
Conc: 18.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.332 min
Delta R.T.: -0.026 min
Response: 2679789
Conc: 18.11 ug/ml



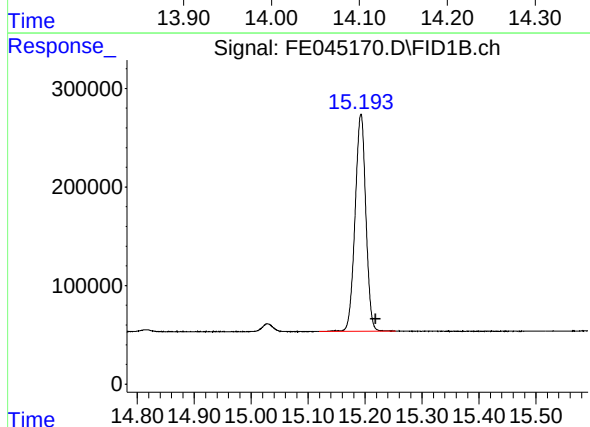
#13 n-Docosane (C22)

R.T.: 14.087 min
Delta R.T.: -0.027 min
Response: 2946033
Conc: 18.42 ug/ml

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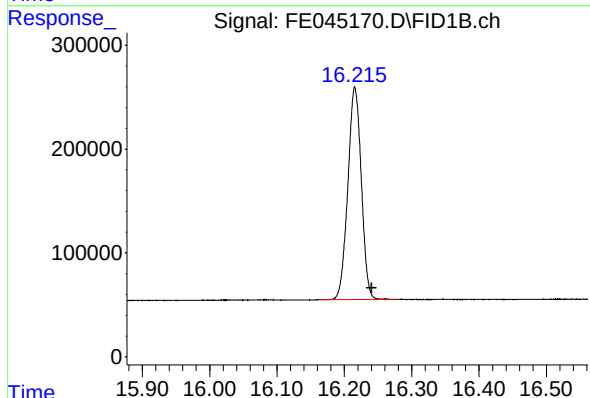
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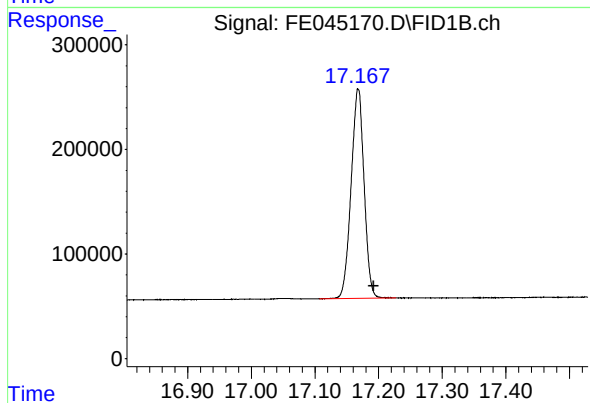
#14 n-Tetracosane (C24)

R.T.: 15.193 min
Delta R.T.: -0.026 min
Response: 2894217
Conc: 18.65 ug/ml



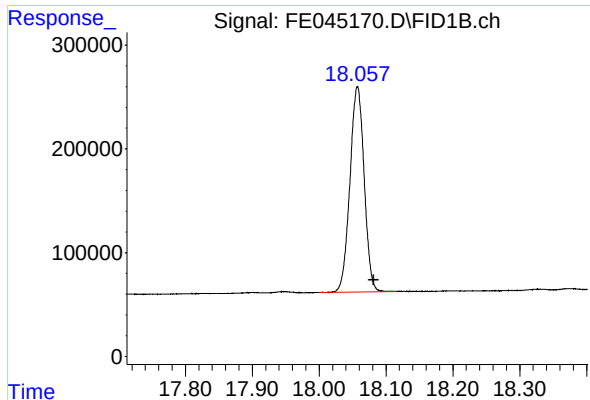
#15 n-Hexacosane (C26)

R.T.: 16.216 min
Delta R.T.: -0.025 min
Response: 2840867
Conc: 18.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.168 min
Delta R.T.: -0.024 min
Response: 2839941
Conc: 19.34 ug/ml



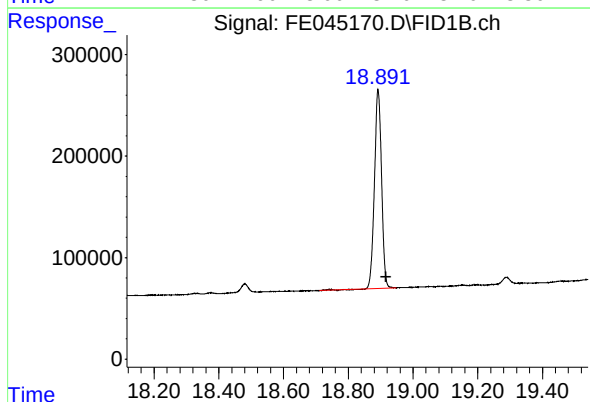
#17 n-Tricontane (C30)

R.T.: 18.057 min
Delta R.T.: -0.024 min
Response: 2929419
Conc: 19.70 ug/ml

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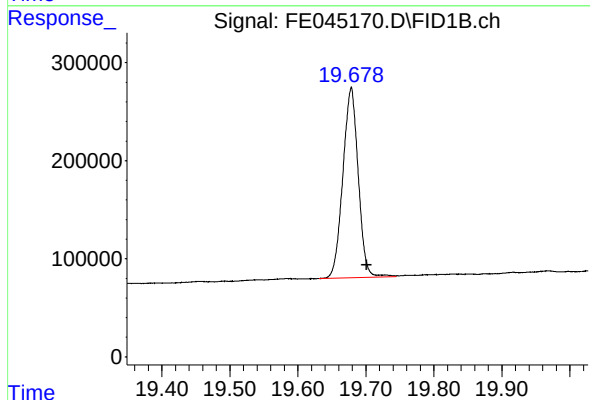
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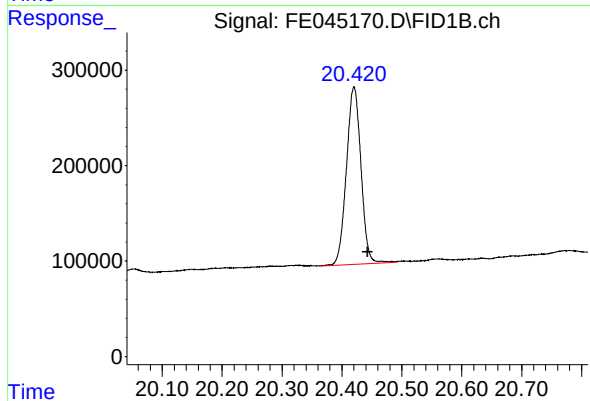
#18 n-Dotriacontane (C32)

R.T.: 18.892 min
Delta R.T.: -0.024 min
Response: 2977702
Conc: 19.84 ug/ml



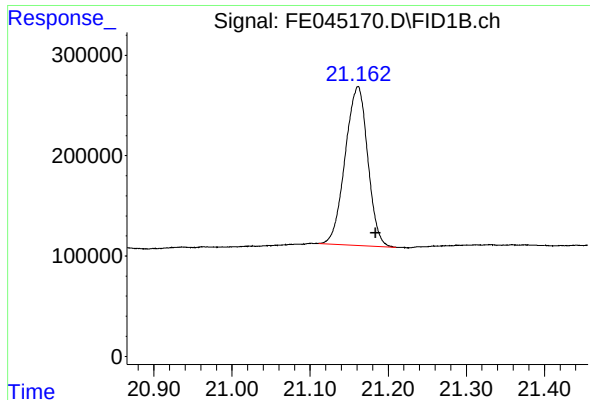
#19 n-Tetratriacontane (C34)

R.T.: 19.678 min
Delta R.T.: -0.023 min
Response: 3046326
Conc: 20.46 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.420 min
Delta R.T.: -0.023 min
Response: 3139585
Conc: 20.42 ug/ml



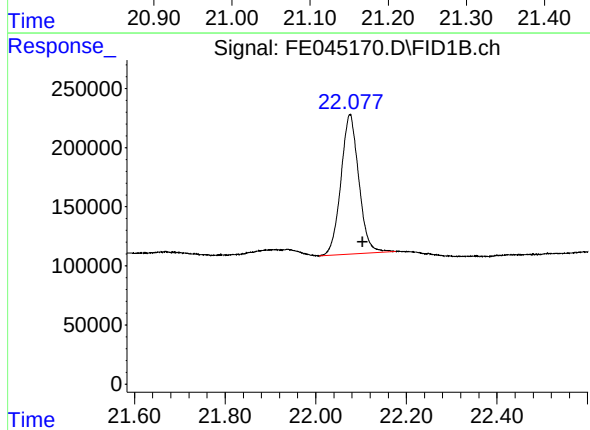
#21 n-Octatriacontane (C38)

R.T.: 21.162 min
Delta R.T.: -0.022 min
Response: 3172299
Conc: 20.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.076 min
Delta R.T.: -0.027 min
Response: 3239992
Conc: 19.39 ug/ml