

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051325AL\
 Data File : FE053788.D
 Signal(s) : FID1B.ch
 Acq On : 13 May 2025 11:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/14/2025
 Supervised By :mohammad ahmed 05/15/2025

Integration File: autoint1.e
 Quant Time: May 14 02:37:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.855	3364036	18.652 ug/ml
Spiked Amount 50.000		Recovery =	37.30%
12) S 1-chlorooctadecane (S...	13.300	2466867	18.249 ug/ml
Spiked Amount 50.000		Recovery =	36.50%
Target Compounds			
1) T n-Nonane (C9)	3.205	2731298	19.922 ug/ml
2) T n-Decane (C10)	4.467	2782636	20.115 ug/ml
3) T A~Naphthalene (C11.7)	6.178	3005797	19.913 ug/ml
4) T n-Dodecane (C12)	6.647	2818806	20.099 ug/ml
5) T A~2-methylnaphthalene...	7.280	2925290	19.593 ug/ml
6) T n-Tetradecane (C14)	8.482	2797621	19.942 ug/ml
7) T n-Hexadecane (C16)	10.094	2806462	19.581 ug/ml
8) T n-Octadecane (C18)	11.541	2794046	19.172 ug/ml
10) T n-Eicosane (C20)	12.854	2727684	18.745 ug/ml
11) T n-Heneicosane (C21)	13.467	2689273	18.567 ug/ml
13) T n-Docosane (C22)	14.055	2666038	18.475 ug/ml
14) T n-Tetracosane (C24)	15.160	2619348	18.235 ug/ml
15) T n-Hexacosane (C26)	16.182	2574297	18.176 ug/ml
16) T n-Octacosane (C28)	17.135	2588431	18.605 ug/ml
17) T n-Tricontane (C30)	18.023	2728761	19.604 ug/mlm
18) T n-Dotriacontane (C32)	18.858	2752269	20.044 ug/ml
19) T n-Tetratriacontane (C34)	19.644	2589359	19.873 ug/ml
20) T n-Hexatriacontane (C36)	20.385	2484696	19.681 ug/mlm
21) T n-Octatriacontane (C38)	21.117	2392815	19.640 ug/mlm
22) T n-Tetracontane (C40)	22.015	2250350	18.844 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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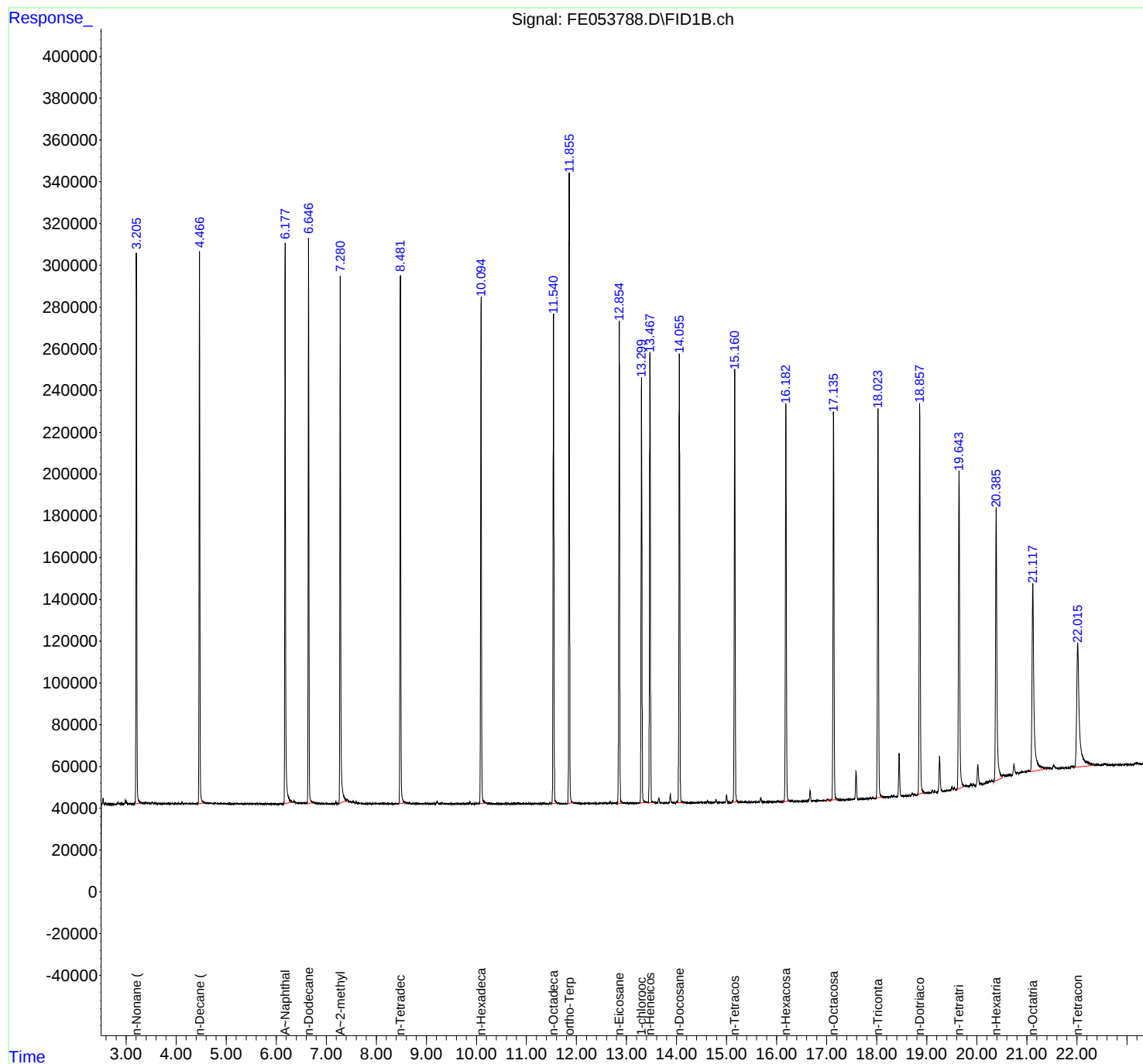
Instrument :
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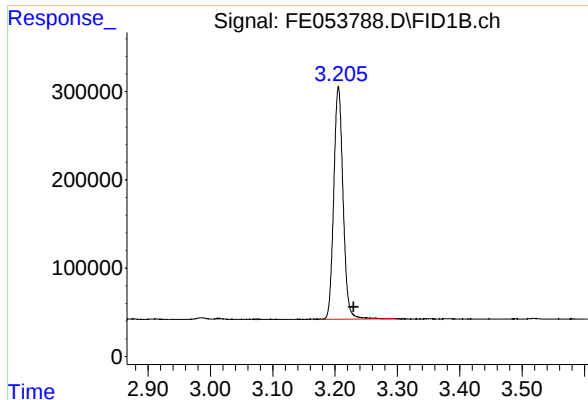
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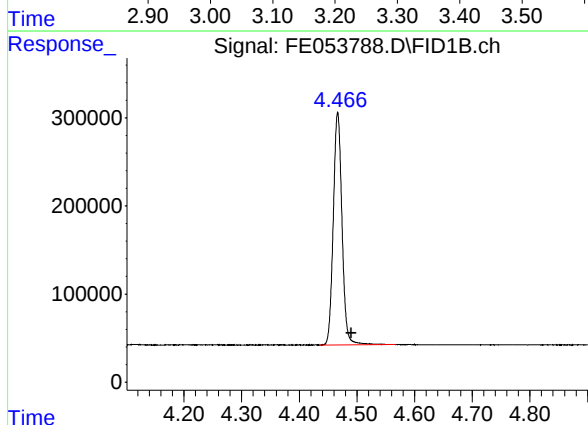
#1 n-Nonane (C9)

R.T.: 3.205 min
Delta R.T.: -0.025 min
Response: 2731298
Conc: 19.92 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

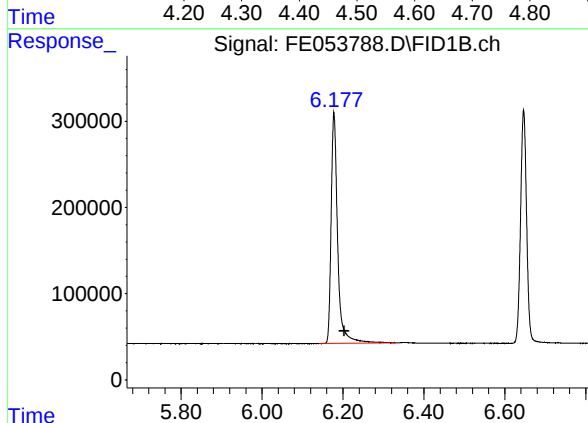
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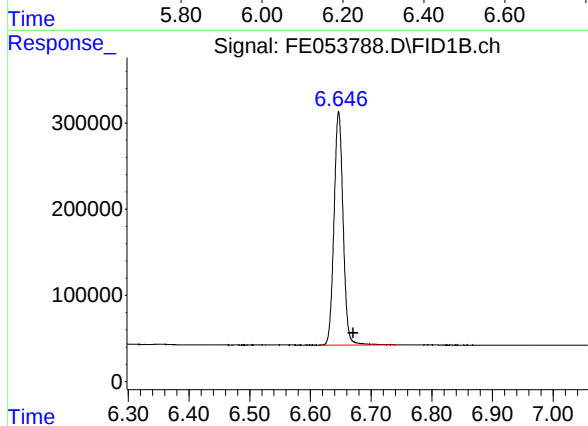
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.024 min
Response: 2782636
Conc: 20.12 ug/ml



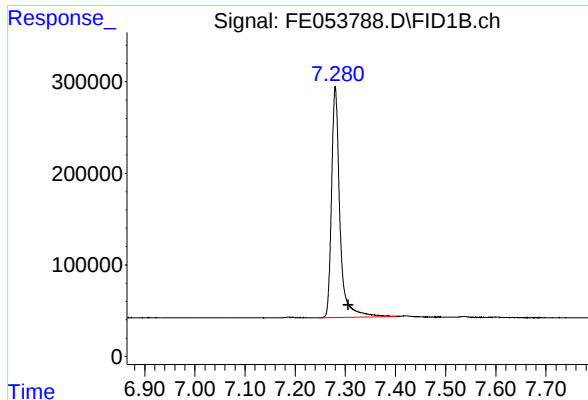
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.025 min
Response: 3005797
Conc: 19.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.024 min
Response: 2818806
Conc: 20.10 ug/ml



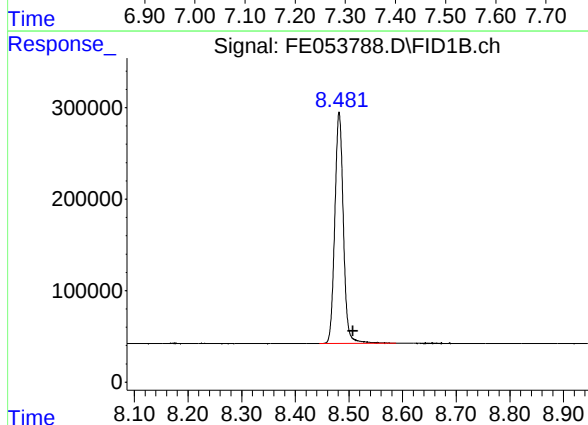
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: -0.025 min
Response: 2925290
Conc: 19.59 ug/ml

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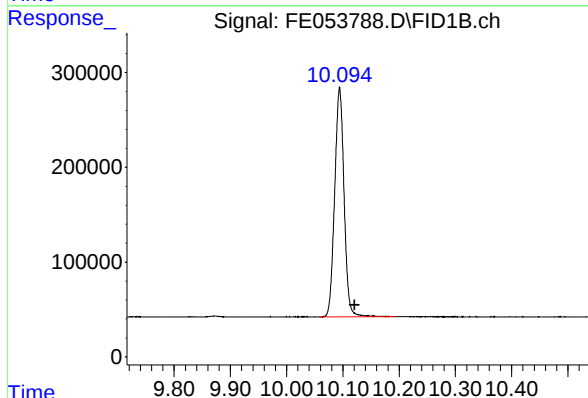
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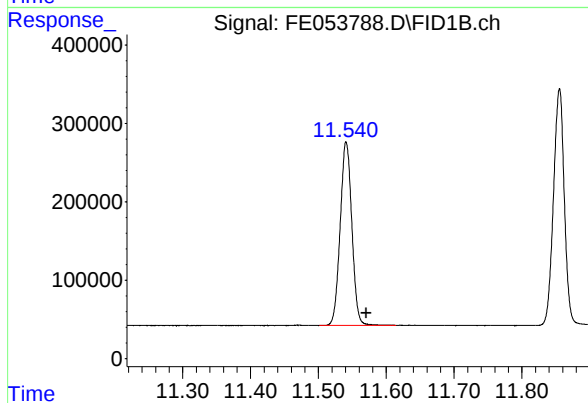
#6 n-Tetradecane (C14)

R.T.: 8.482 min
Delta R.T.: -0.026 min
Response: 2797621
Conc: 19.94 ug/ml



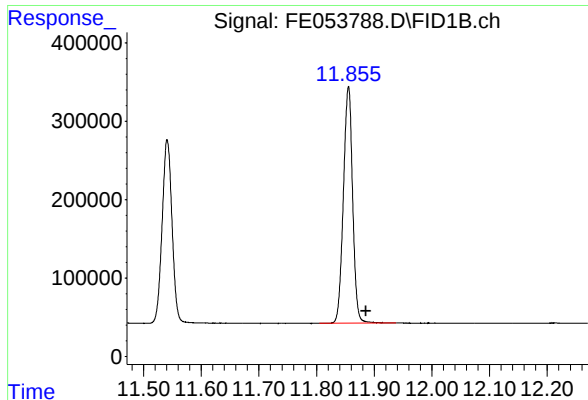
#7 n-Hexadecane (C16)

R.T.: 10.094 min
Delta R.T.: -0.027 min
Response: 2806462
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.030 min
Response: 2794046
Conc: 19.17 ug/ml



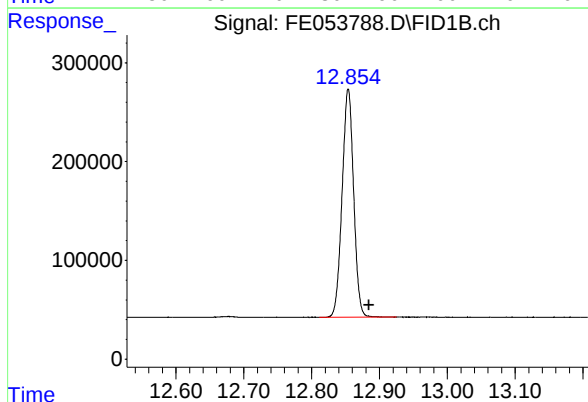
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.031 min
Response: 3364036
Conc: 18.65 ug/ml

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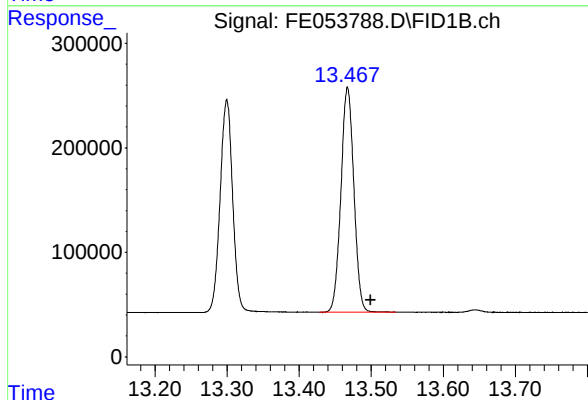
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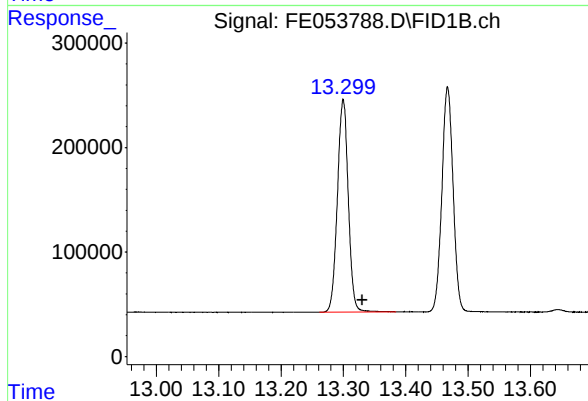
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.031 min
Response: 2727684
Conc: 18.75 ug/ml



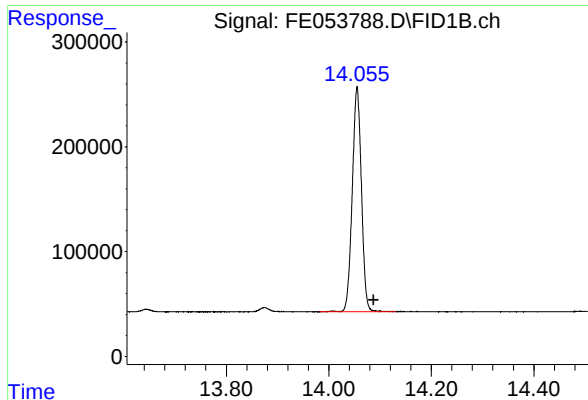
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.032 min
Response: 2689273
Conc: 18.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min
Delta R.T.: -0.031 min
Response: 2466867
Conc: 18.25 ug/ml



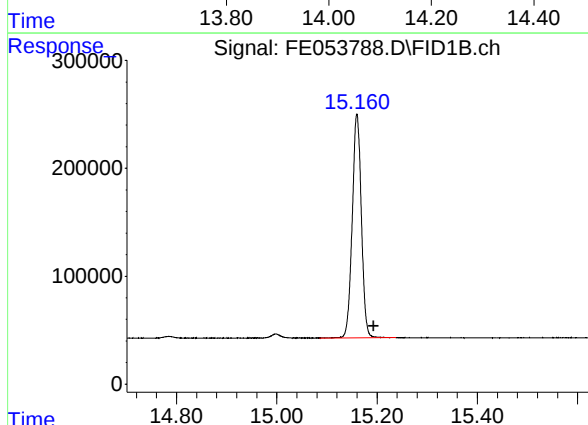
#13 n-Docosane (C22)

R.T.: 14.055 min
Delta R.T.: -0.032 min
Response: 2666038
Conc: 18.48 ug/ml

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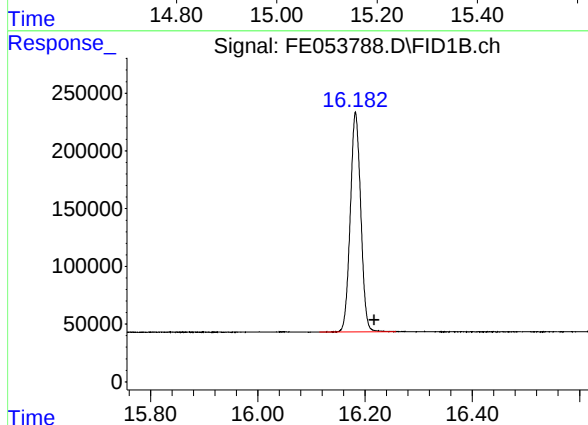
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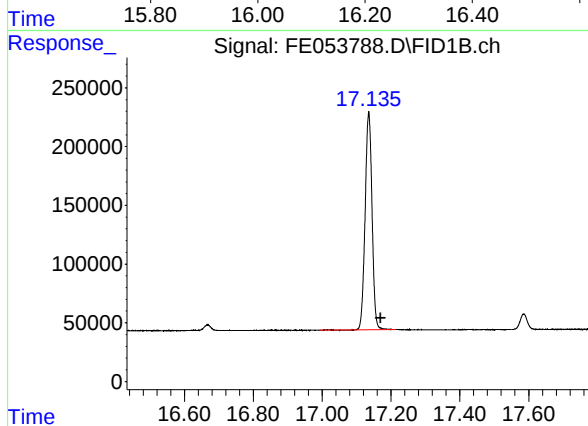
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: -0.034 min
Response: 2619348
Conc: 18.24 ug/ml



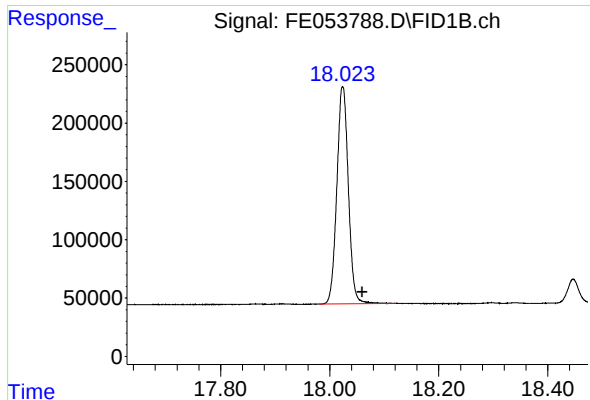
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.035 min
Response: 2574297
Conc: 18.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.035 min
Response: 2588431
Conc: 18.60 ug/ml



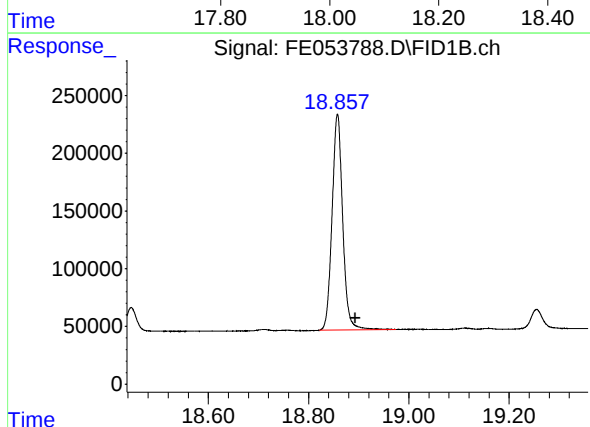
#17 n-Tricontane (C30)

R.T.: 18.023 min
Delta R.T.: -0.037 min
Response: 2728761
Conc: 19.60 ug/ml

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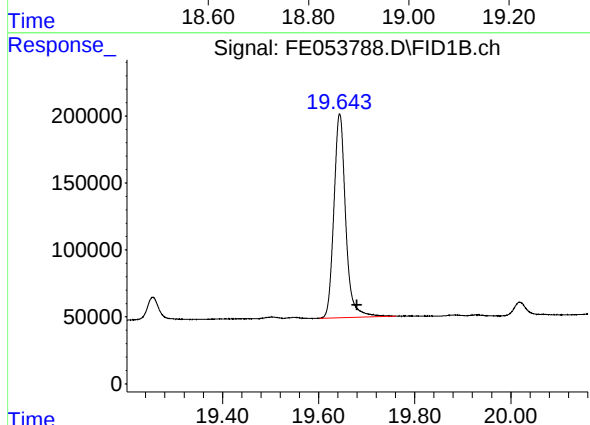
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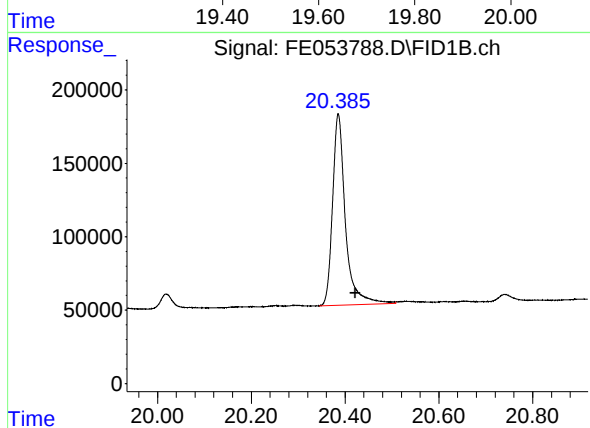
#18 n-Dotriacontane (C32)

R.T.: 18.858 min
Delta R.T.: -0.036 min
Response: 2752269
Conc: 20.04 ug/ml



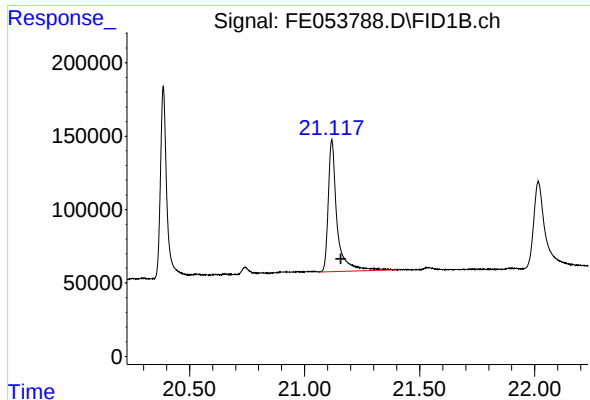
#19 n-Tetratriacontane (C34)

R.T.: 19.644 min
Delta R.T.: -0.036 min
Response: 2589359
Conc: 19.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.385 min
Delta R.T.: -0.037 min
Response: 2484696
Conc: 19.68 ug/ml m



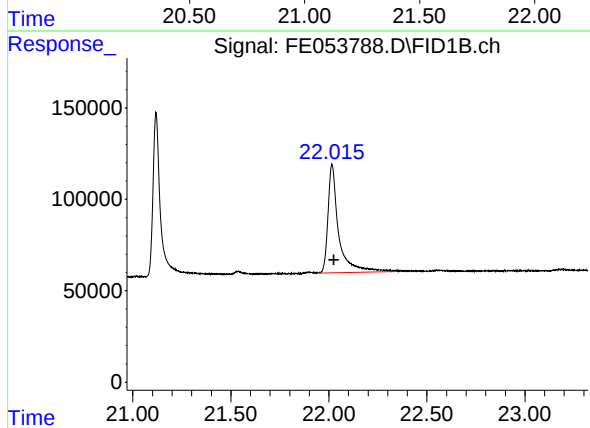
#21 n-Octatriacontane (C38)

R.T.: 21.117 min
Delta R.T.: -0.041 min
Response: 2392815
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.015 min
Delta R.T.: -0.012 min
Response: 2250350
Conc: 18.84 ug/ml m