

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050324AL\
 Data File : FE047975.D
 Signal(s) : FID1B.ch
 Acq On : 03 May 2024 19:51
 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 05/06/2024
 Supervised By :Ankita Jodhani 05/06/2024

Integration File: autoint1.e
 Quant Time: May 03 23:48:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.973	3055833	21.182 ug/ml
Spiked Amount 50.000		Recovery =	42.36%
12) S 1-chlorooctadecane (S...	13.406	2368243	21.194 ug/ml
Spiked Amount 50.000		Recovery =	42.39%
Target Compounds			
1) T n-Nonane (C9)	3.352	2746233	21.309 ug/ml
2) T n-Decane (C10)	4.605	2807153	21.322 ug/ml
3) T A~Naphthalene (C11.7)	6.314	2965186	21.474 ug/ml
4) T n-Dodecane (C12)	6.771	2828820	21.220 ug/ml
5) T A~2-methylnaphthalene...	7.410	2858780	21.482 ug/ml
6) T n-Tetradecane (C14)	8.600	2804574	21.163 ug/ml
7) T n-Hexadecane (C16)	10.207	2908250	21.146 ug/ml
8) T n-Octadecane (C18)	11.651	2946357	21.152 ug/ml
10) T n-Eicosane (C20)	12.961	2840978	21.100 ug/ml
11) T n-Heneicosane (C21)	13.574	2795652	21.119 ug/ml
13) T n-Docosane (C22)	14.158	2787749	21.036 ug/ml
14) T n-Tetracosane (C24)	15.261	2771122	20.812 ug/ml
15) T n-Hexacosane (C26)	16.282	2749234	20.602 ug/ml
16) T n-Octacosane (C28)	17.231	2739048	20.572 ug/mlm
17) T n-Tricontane (C30)	18.118	2884748	20.902 ug/ml
18) T n-Dotriacontane (C32)	18.950	2899800	20.994 ug/ml
19) T n-Tetratriacontane (C34)	19.734	3004113	22.053 ug/ml
20) T n-Hexatriacontane (C36)	20.473	3262709	24.097 ug/ml
21) T n-Octatriacontane (C38)	21.214	2899648	21.002 ug/mlm
22) T n-Tetracontane (C40)	22.143	2787335	20.006 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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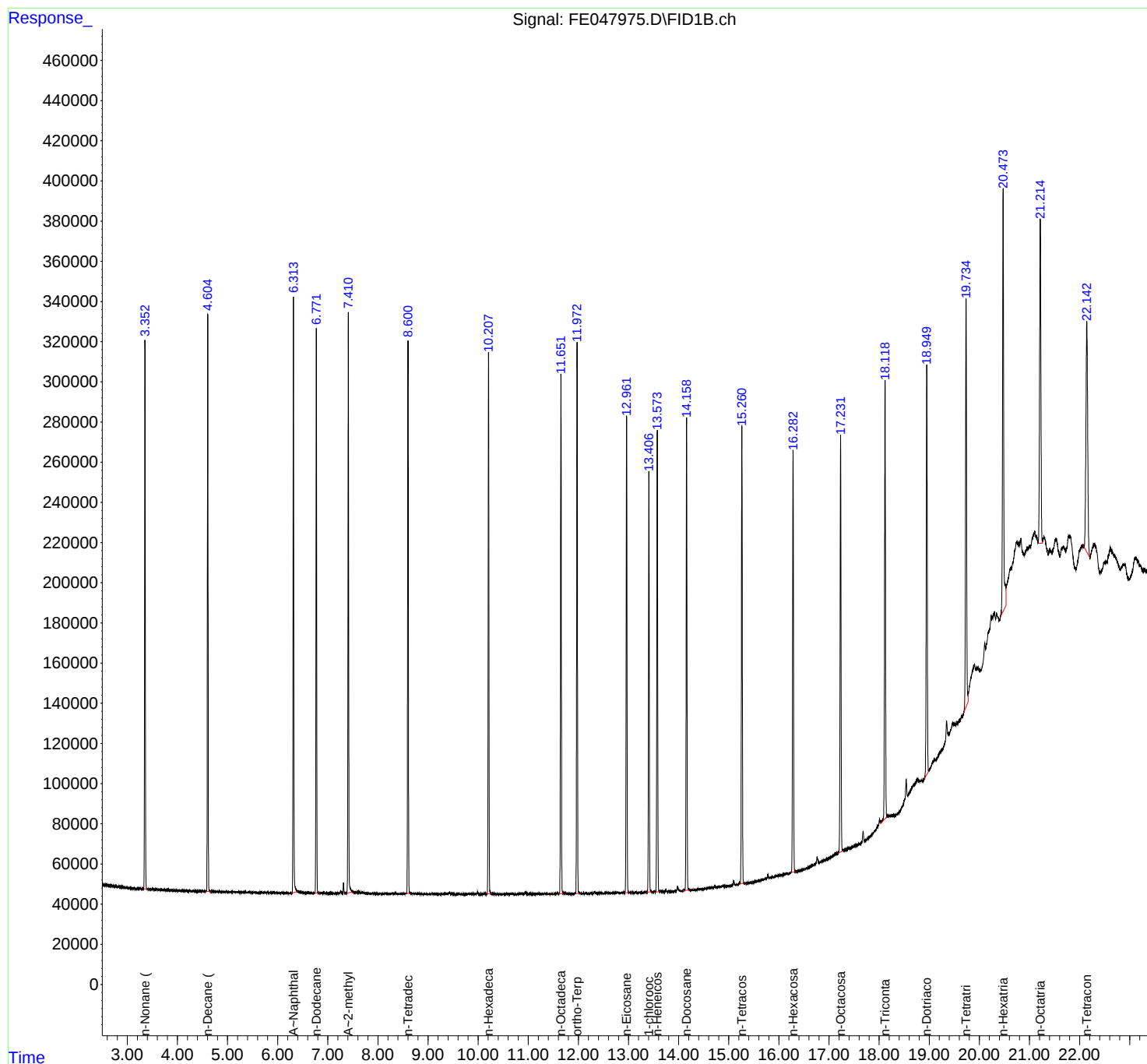
Instrument :
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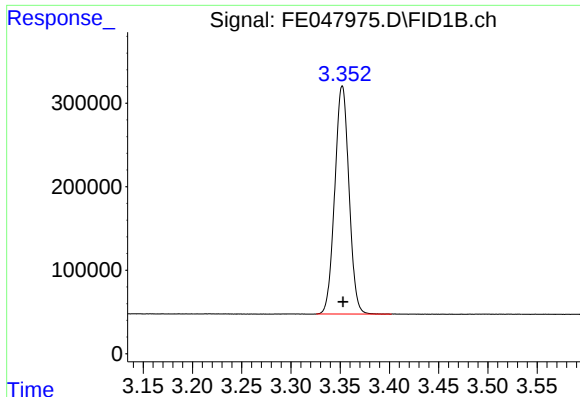
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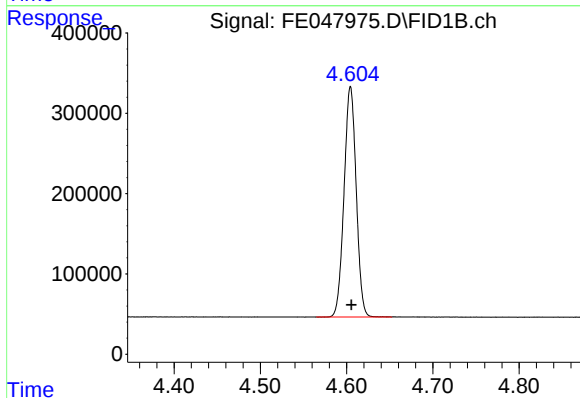
#1 n-Nonane (C9)

R.T.: 3.352 min
Delta R.T.: 0.000 min
Response: 2746233
Conc: 21.31 ug/ml

Instrument : FID_E
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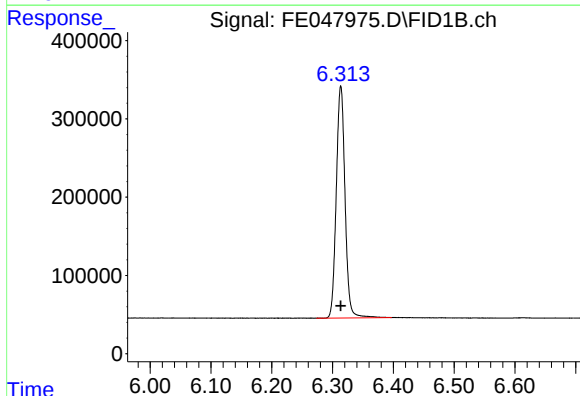
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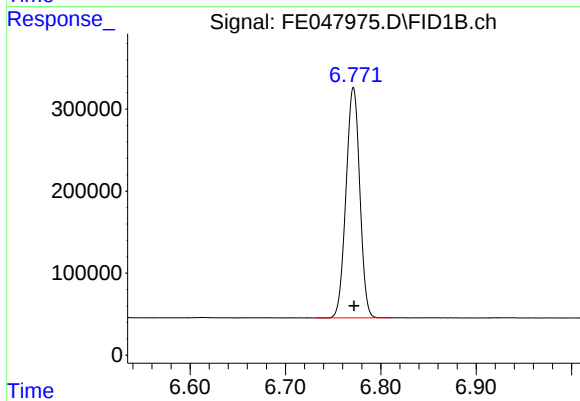
#2 n-Decane (C10)

R.T.: 4.605 min
Delta R.T.: -0.001 min
Response: 2807153
Conc: 21.32 ug/ml



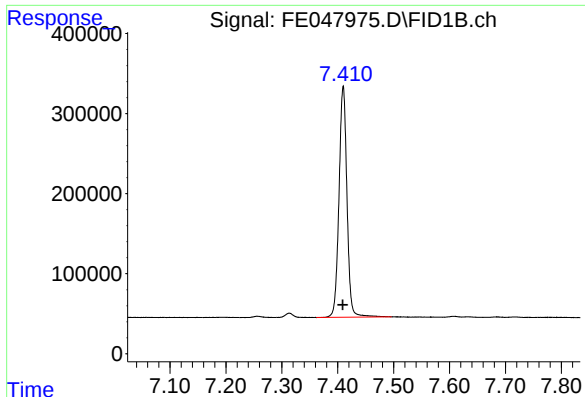
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 2965186
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 2828820
Conc: 21.22 ug/ml



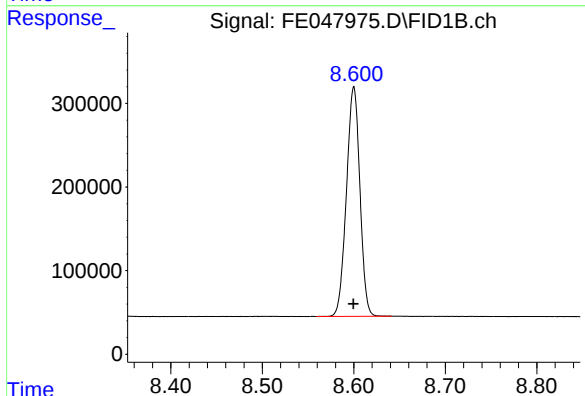
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.410 min
Delta R.T.: 0.000 min
Response: 2858780
Conc: 21.48 ug/ml

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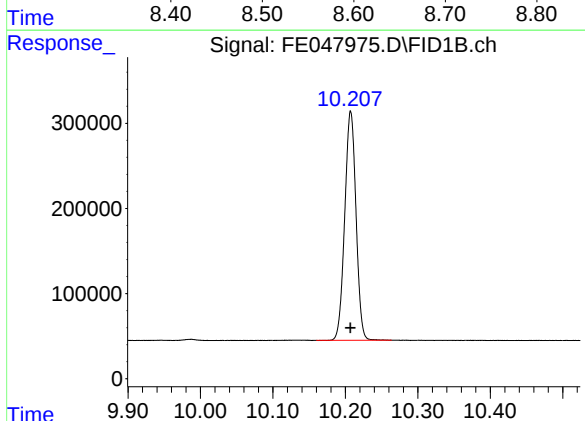
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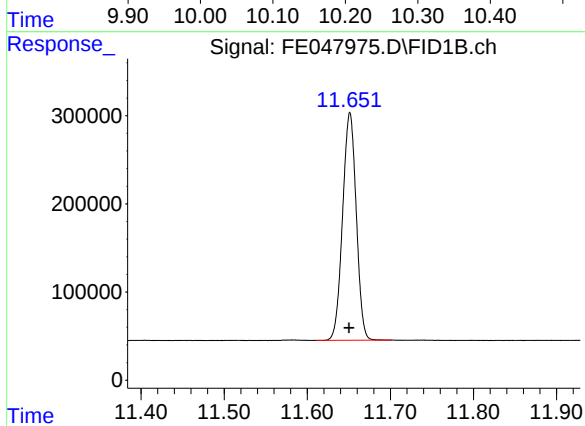
#6 n-Tetradecane (C14)

R.T.: 8.600 min
Delta R.T.: 0.000 min
Response: 2804574
Conc: 21.16 ug/ml



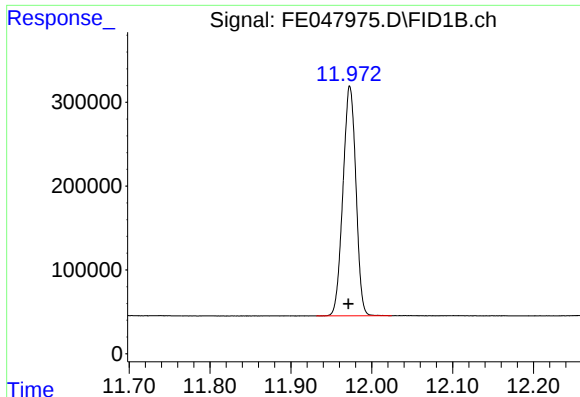
#7 n-Hexadecane (C16)

R.T.: 10.207 min
Delta R.T.: 0.000 min
Response: 2908250
Conc: 21.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.651 min
Delta R.T.: 0.000 min
Response: 2946357
Conc: 21.15 ug/ml



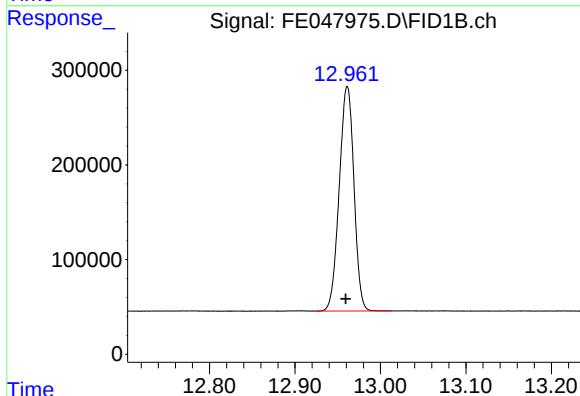
#9 ortho-Terphenyl (SURR)

R.T.: 11.973 min
Delta R.T.: 0.002 min
Response: 3055833
Conc: 21.18 ug/ml

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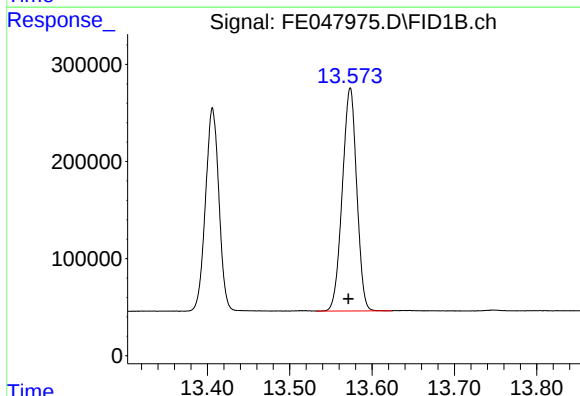
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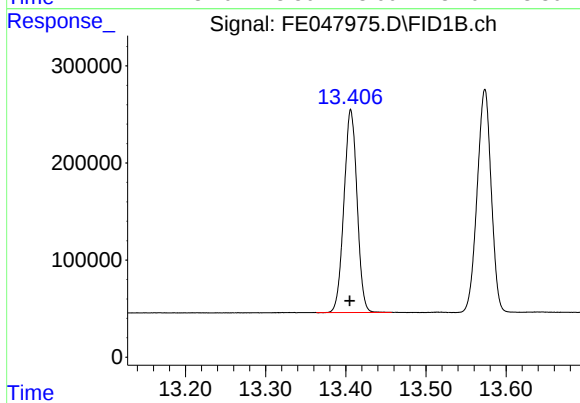
#10 n-Eicosane (C20)

R.T.: 12.961 min
Delta R.T.: 0.002 min
Response: 2840978
Conc: 21.10 ug/ml



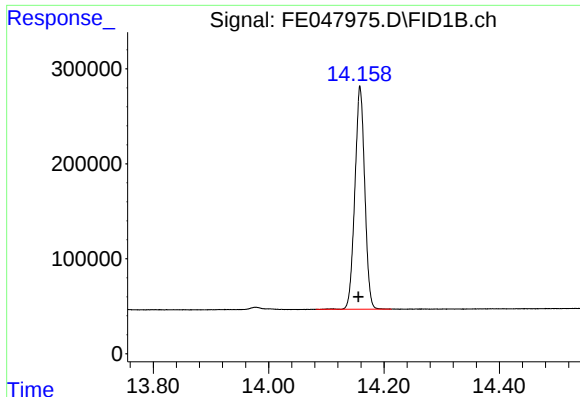
#11 n-Heneicosane (C21)

R.T.: 13.574 min
Delta R.T.: 0.002 min
Response: 2795652
Conc: 21.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.406 min
Delta R.T.: 0.001 min
Response: 2368243
Conc: 21.19 ug/ml



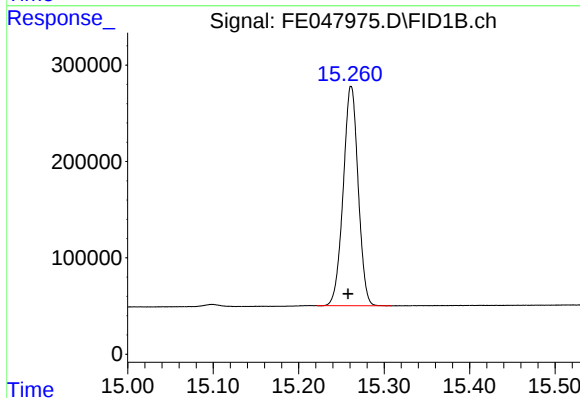
#13 n-Docosane (C22)

R.T.: 14.158 min
Delta R.T.: 0.003 min
Response: 2787749
Conc: 21.04 ug/ml

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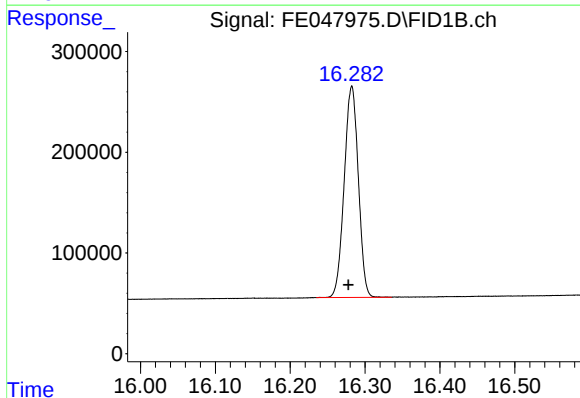
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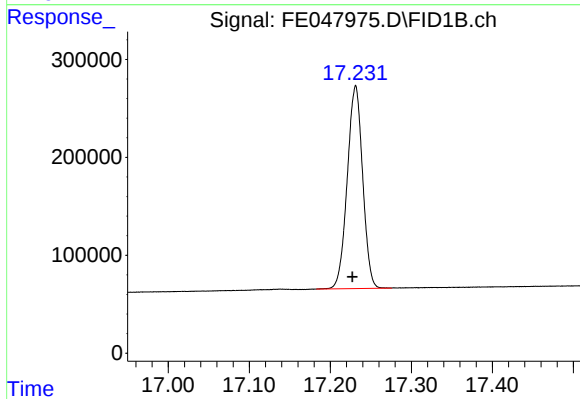
#14 n-Tetracosane (C24)

R.T.: 15.261 min
Delta R.T.: 0.003 min
Response: 2771122
Conc: 20.81 ug/ml



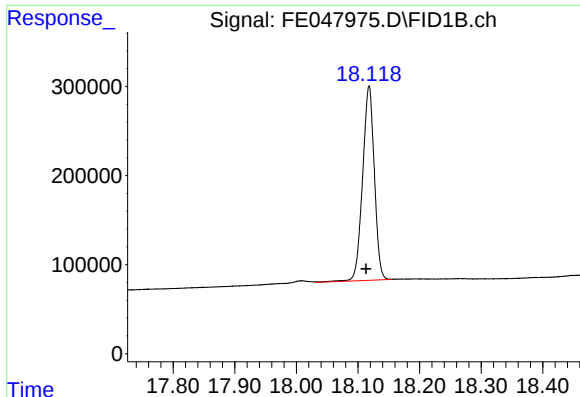
#15 n-Hexacosane (C26)

R.T.: 16.282 min
Delta R.T.: 0.004 min
Response: 2749234
Conc: 20.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.231 min
Delta R.T.: 0.004 min
Response: 2739048
Conc: 20.57 ug/ml m



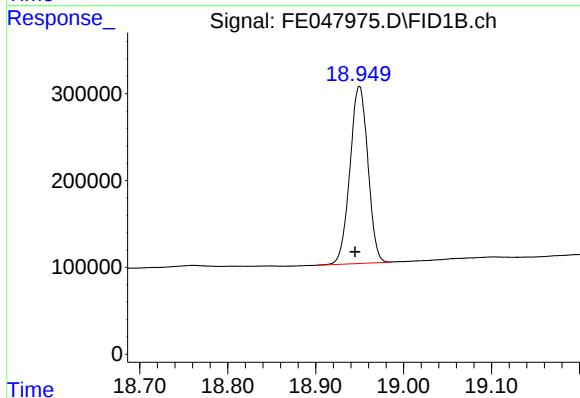
#17 n-Tricontane (C30)

R.T.: 18.118 min
Delta R.T.: 0.005 min
Response: 2884748
Conc: 20.90 ug/ml

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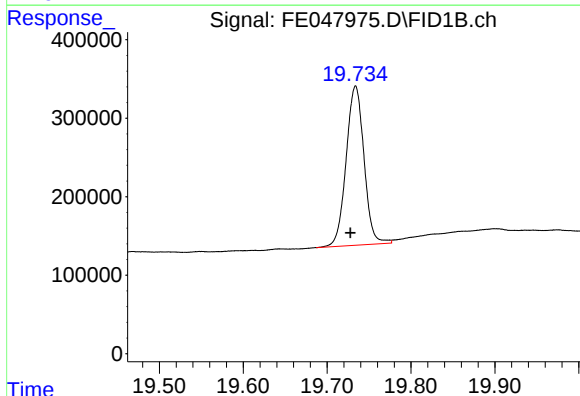
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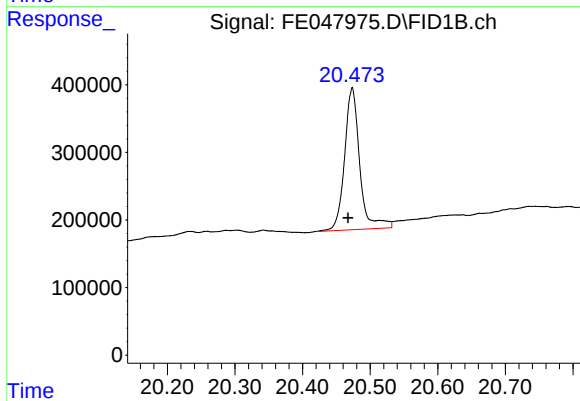
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.005 min
Response: 2899800
Conc: 20.99 ug/ml



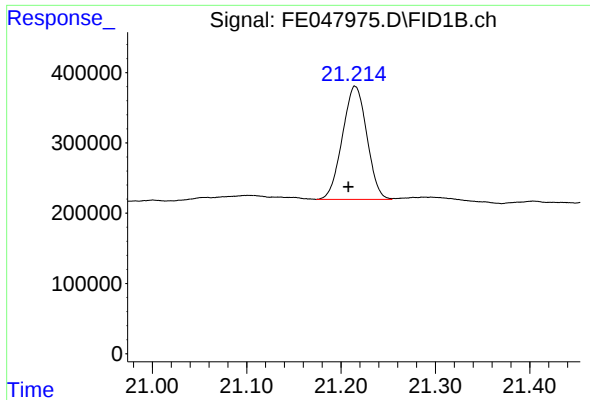
#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: 0.006 min
Response: 3004113
Conc: 22.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.473 min
Delta R.T.: 0.006 min
Response: 3262709
Conc: 24.10 ug/ml



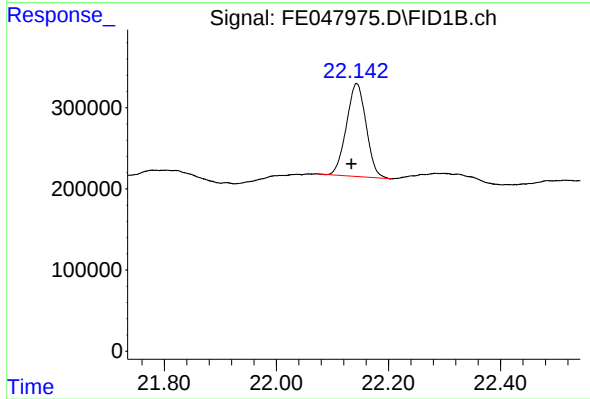
#21 n-Octatriacontane (C38)

R.T.: 21.214 min
Delta R.T.: 0.006 min
Response: 2899648
Conc: 21.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min
Delta R.T.: 0.009 min
Response: 2787335
Conc: 20.01 ug/ml