

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081523AL\
 Data File : FE043977.D
 Signal(s) : FID1B.ch
 Acq On : 16 Aug 2023 01:51
 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 08/16/2023
 Supervised By :Ankita Jodhani 08/16/2023

Integration File: autoint1.e
 Quant Time: Aug 16 02:24:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080323.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 02 09:56:52 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)	11.952	3772778	18.308 ug/ml
Spiked Amount 50.000		Recovery =	36.62%
12) S 1-chlorooctadecane (S...	13.390	2830289	18.137 ug/ml
Spiked Amount 50.000		Recovery =	36.27%
Target Compounds			
1) T n-Nonane (C9)	3.341	3216721	19.919 ug/ml
2) T n-Decane (C10)	4.591	3301813	20.034 ug/ml
3) T A~Naphthalene (C11.7)	6.293	3625363	19.912 ug/ml
4) T n-Dodecane (C12)	6.755	3352561	20.032 ug/ml
5) T A~2-methylnaphthalene...	7.388	3501779	19.670 ug/ml
6) T n-Tetradecane (C14)	8.581	3336802	19.805 ug/ml
7) T n-Hexadecane (C16)	10.189	3423247	19.406 ug/ml
8) T n-Octadecane (C18)	11.634	3427584	18.921 ug/ml
10) T n-Eicosane (C20)	12.943	3276335	18.514 ug/ml
11) T n-Heneicosane (C21)	13.556	3202391	18.086 ug/ml
13) T n-Docosane (C22)	14.143	3153319	17.978 ug/ml
14) T n-Tetracosane (C24)	15.247	3083079	17.547 ug/ml
15) T n-Hexacosane (C26)	16.269	2966243	17.162 ug/ml
16) T n-Octacosane (C28)	17.220	2823304	16.874 ug/ml
17) T n-Tricontane (C30)	18.109	2828390	17.077 ug/ml
18) T n-Dotriacontane (C32)	18.942	2752798	17.435 ug/ml
19) T n-Tetratriacontane (C34)	19.727	2700106	18.170 ug/mlm
20) T n-Hexatriacontane (C36)	20.468	2642325	18.904 ug/mlm
21) T n-Octatriacontane (C38)	21.215	2803287	21.013 ug/ml
22) T n-Tetracontane (C40)	22.143	2904510	22.511 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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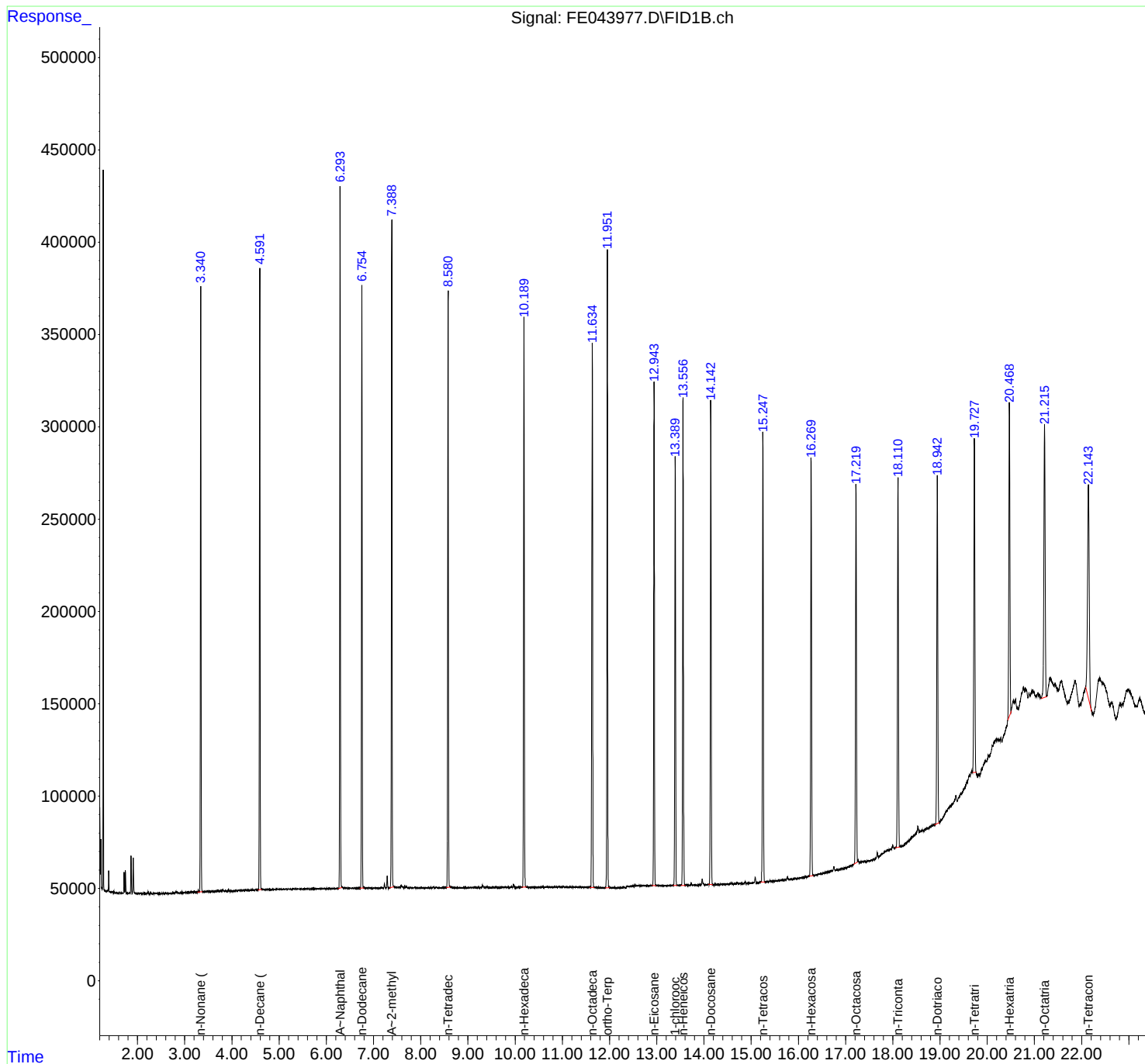
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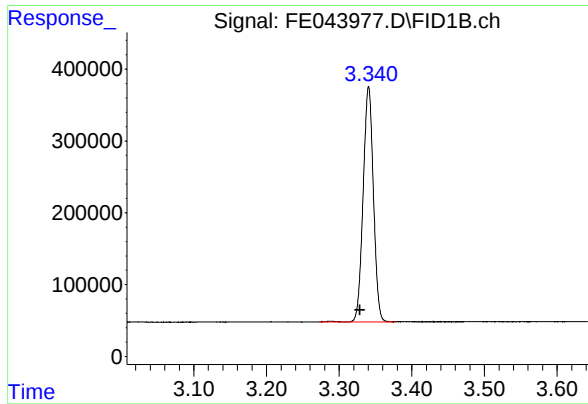
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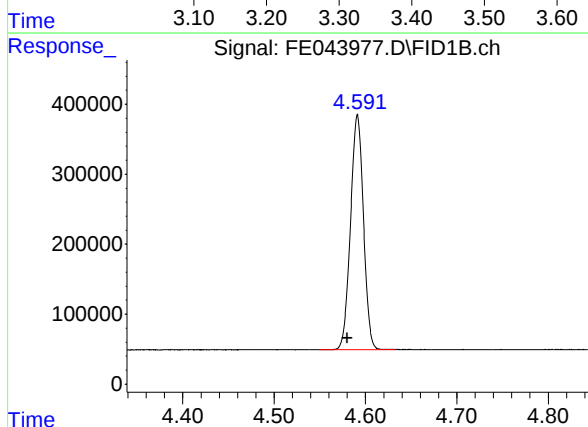
#1 n-Nonane (C9)

R.T.: 3.341 min
Delta R.T.: 0.012 min
Response: 3216721
Conc: 19.92 ug/ml

Instrument : FID_E
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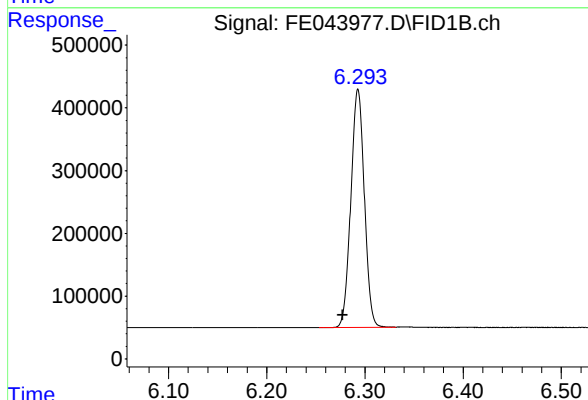
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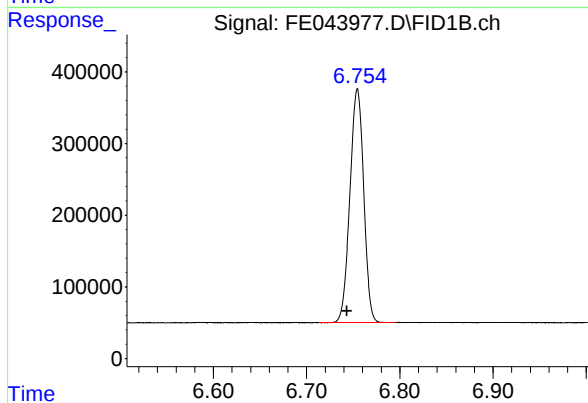
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: 0.011 min
Response: 3301813
Conc: 20.03 ug/ml



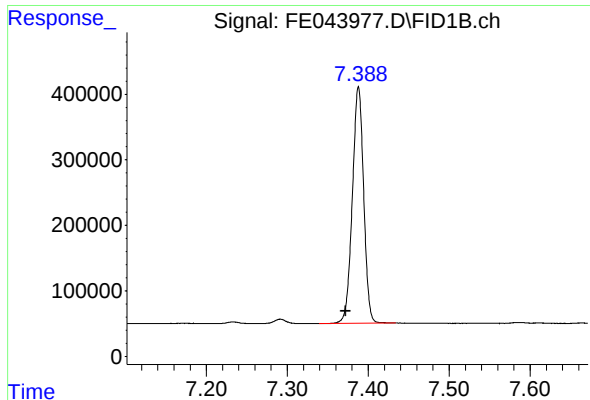
#3 A~Naphthalene (C11.7)

R.T.: 6.293 min
Delta R.T.: 0.016 min
Response: 3625363
Conc: 19.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.755 min
Delta R.T.: 0.011 min
Response: 3352561
Conc: 20.03 ug/ml



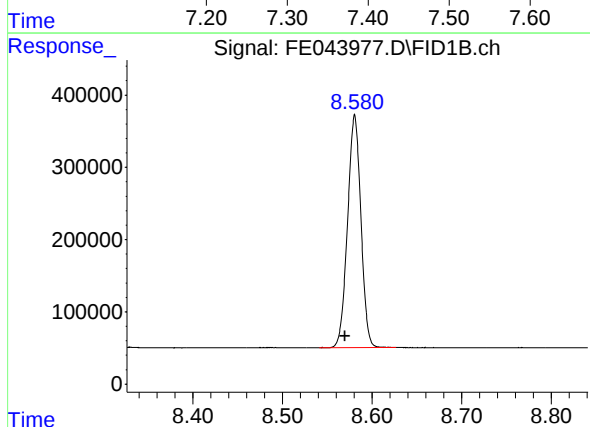
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.388 min
Delta R.T.: 0.016 min
Response: 3501779
Conc: 19.67 ug/ml

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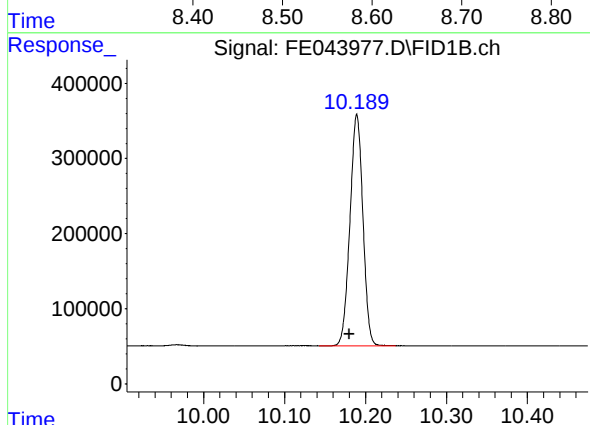
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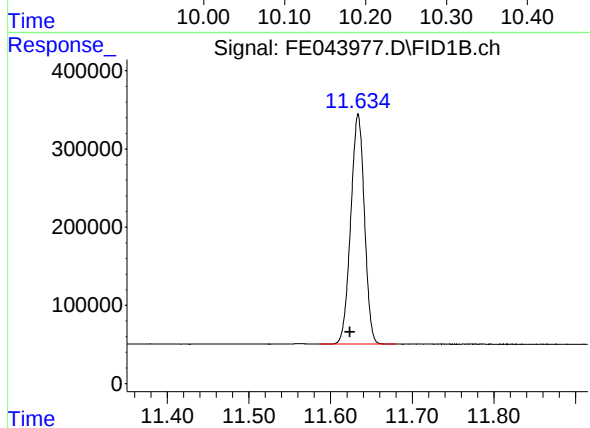
#6 n-Tetradecane (C14)

R.T.: 8.581 min
Delta R.T.: 0.011 min
Response: 3336802
Conc: 19.81 ug/ml



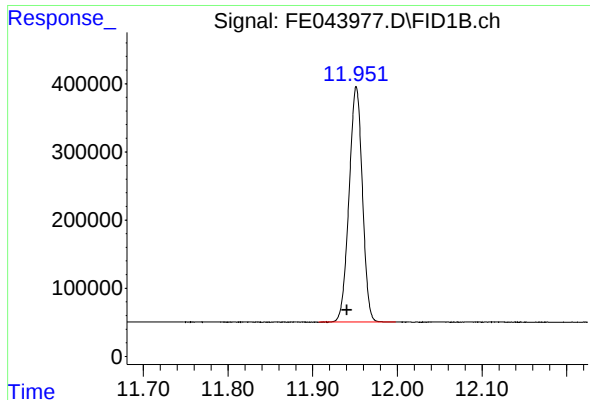
#7 n-Hexadecane (C16)

R.T.: 10.189 min
Delta R.T.: 0.010 min
Response: 3423247
Conc: 19.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.634 min
Delta R.T.: 0.010 min
Response: 3427584
Conc: 18.92 ug/ml



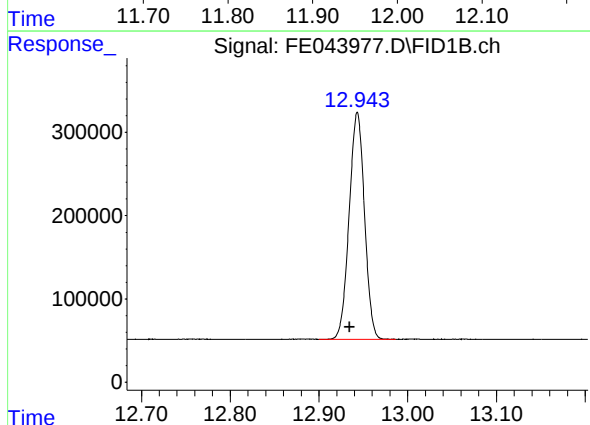
#9 ortho-Terphenyl (SURR)

R.T.: 11.952 min
Delta R.T.: 0.011 min
Response: 3772778
Conc: 18.31 ug/ml

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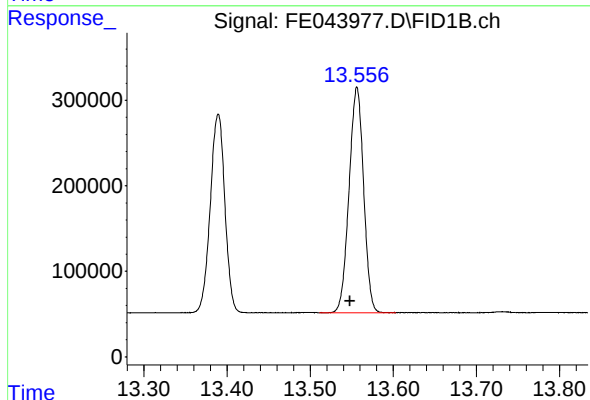
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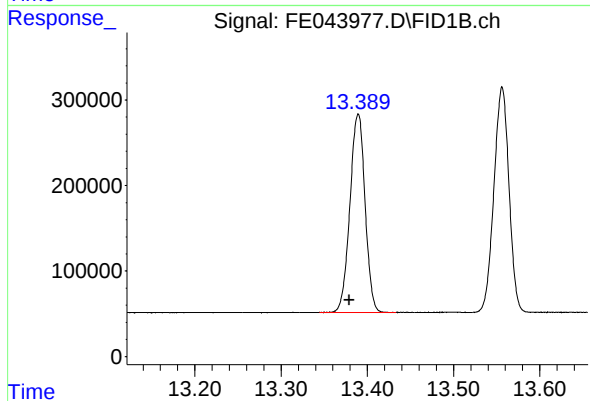
#10 n-Eicosane (C20)

R.T.: 12.943 min
Delta R.T.: 0.009 min
Response: 3276335
Conc: 18.51 ug/ml



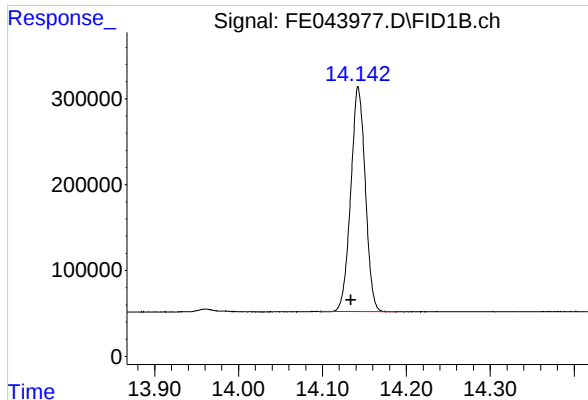
#11 n-Heneicosane (C21)

R.T.: 13.556 min
Delta R.T.: 0.008 min
Response: 3202391
Conc: 18.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: 0.010 min
Response: 2830289
Conc: 18.14 ug/ml



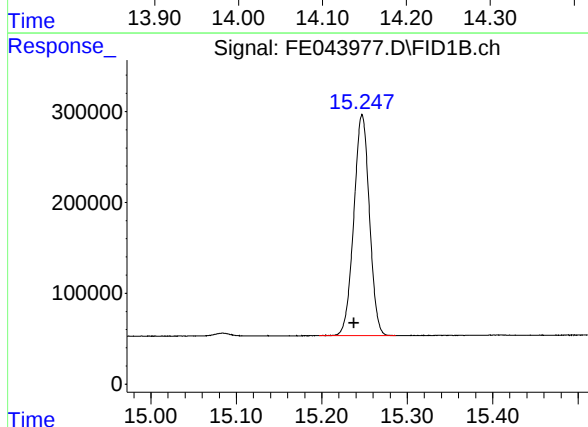
#13 n-Docosane (C22)

R.T.: 14.143 min
Delta R.T.: 0.009 min
Response: 3153319
Conc: 17.98 ug/ml

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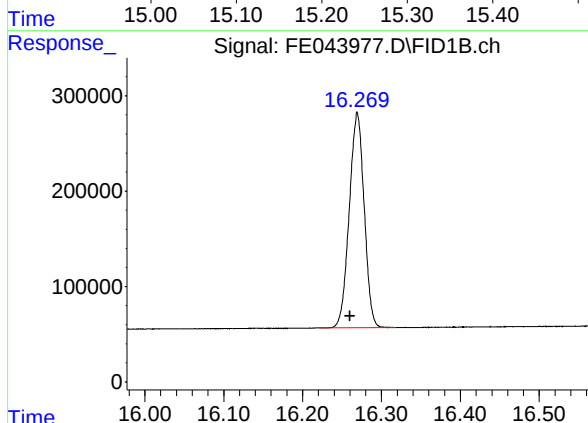
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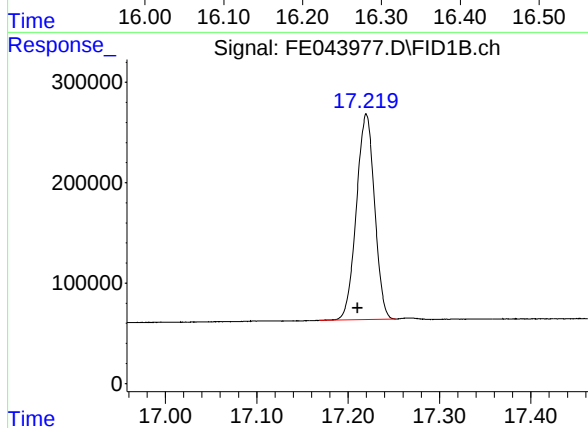
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: 0.009 min
Response: 3083079
Conc: 17.55 ug/ml



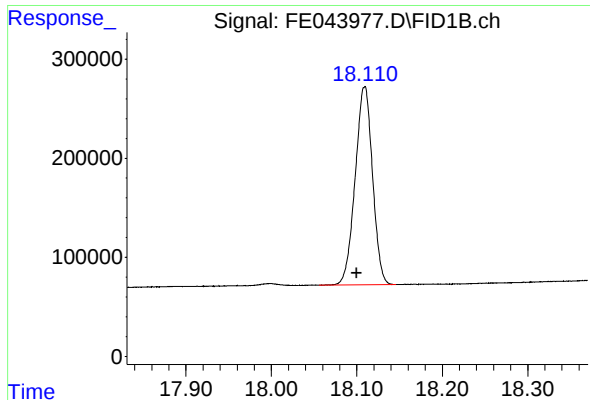
#15 n-Hexacosane (C26)

R.T.: 16.269 min
Delta R.T.: 0.009 min
Response: 2966243
Conc: 17.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.220 min
Delta R.T.: 0.009 min
Response: 2823304
Conc: 16.87 ug/ml



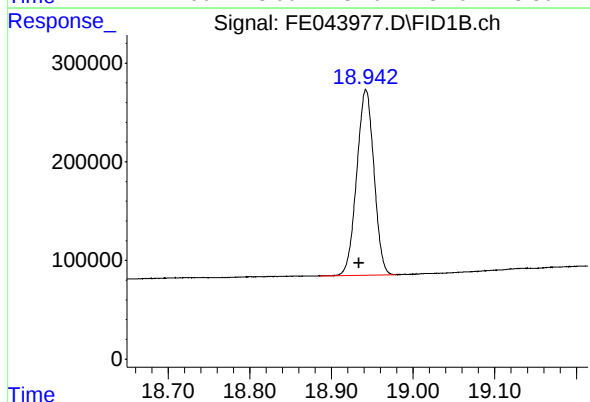
#17 n-Tricontane (C30)

R.T.: 18.109 min
Delta R.T.: 0.010 min
Response: 2828390
Conc: 17.08 ug/ml

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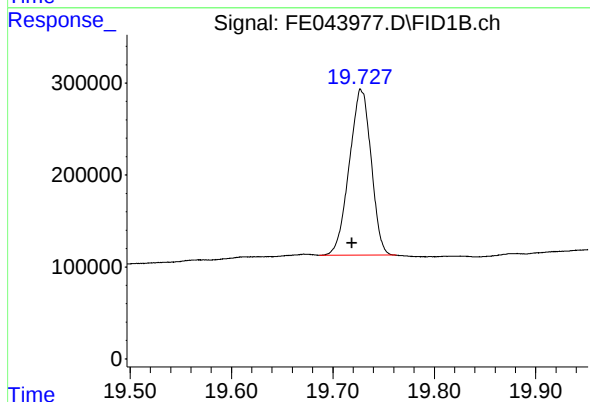
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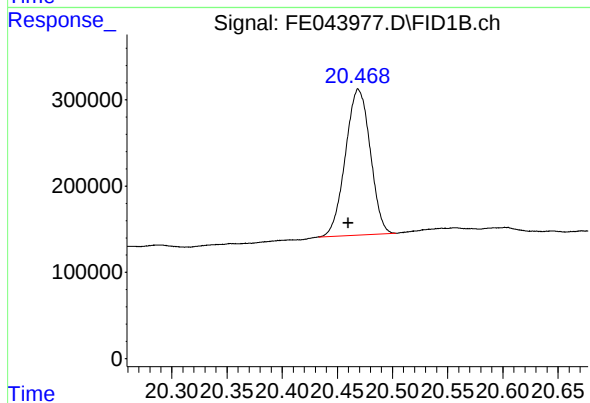
#18 n-Dotriacontane (C32)

R.T.: 18.942 min
Delta R.T.: 0.008 min
Response: 2752798
Conc: 17.43 ug/ml



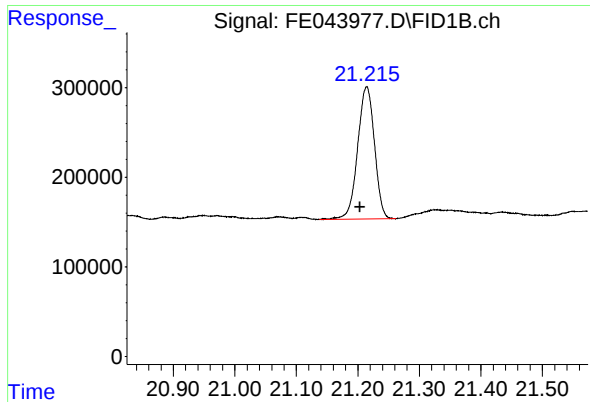
#19 n-Tetratriacontane (C34)

R.T.: 19.727 min
Delta R.T.: 0.008 min
Response: 2700106
Conc: 18.17 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.468 min
Delta R.T.: 0.009 min
Response: 2642325
Conc: 18.90 ug/ml m



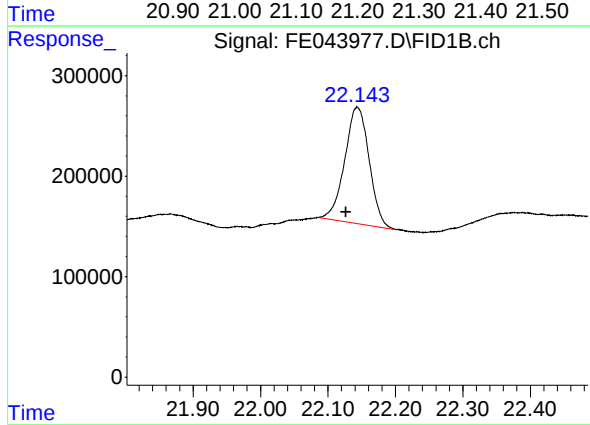
#21 n-Octatriacontane (C38)

R.T.: 21.215 min
Delta R.T.: 0.011 min
Response: 2803287
Conc: 21.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min
Delta R.T.: 0.017 min
Response: 2904510
Conc: 22.51 ug/ml m