

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080122AL\
 Data File : FE036774.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2022 09:54
 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 08/02/2022
 Supervised By :Ankita Jodhani 08/02/2022

Integration File: autoint1.e
 Quant Time: Aug 02 04:27:56 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 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)	11.835	3213808	17.256 ug/ml
Spiked Amount 50.000		Recovery =	34.51%
12) S 1-chlorooctadecane (S...	13.275	2521181	16.571 ug/ml
Spiked Amount 50.000		Recovery =	33.14%
Target Compounds			
1) T n-Nonane (C9)	3.228	2863716	18.577 ug/ml
2) T n-Decane (C10)	4.482	2867958	18.605 ug/ml
3) T A~Naphthalene (C11.7)	6.182	3157111	18.475 ug/ml
4) T n-Dodecane (C12)	6.649	2914087	18.554 ug/ml
5) T A~2-methylnaphthalene...	7.277	3145102	18.299 ug/ml
6) T n-Tetradecane (C14)	8.475	2943460	18.030 ug/ml
7) T n-Hexadecane (C16)	10.081	2914000	17.679 ug/ml
8) T n-Octadecane (C18)	11.523	2932627	17.256 ug/ml
10) T n-Eicosane (C20)	12.831	2872896	16.889 ug/ml
11) T n-Heneicosane (C21)	13.444	2867860	16.756 ug/ml
13) T n-Docosane (C22)	14.029	2837200	16.618 ug/ml
14) T n-Tetracosane (C24)	15.132	2827762	16.589 ug/ml
15) T n-Hexacosane (C26)	16.154	2702215	16.163 ug/ml
16) T n-Octacosane (C28)	17.103	2618526	16.032 ug/ml
17) T n-Tricontane (C30)	17.991	2451816	16.135 ug/ml
18) T n-Dotriacontane (C32)	18.821	1980100	16.464 ug/ml
19) T n-Tetratriacontane (C34)	19.607	1428998	17.160 ug/ml
20) T n-Hexatriacontane (C36)	20.348	1106975	18.853 ug/ml
21) T n-Octatriacontane (C38)	21.070	959029	19.128 ug/ml
22) T n-Tetracontane (C40)	21.952	902705	17.480 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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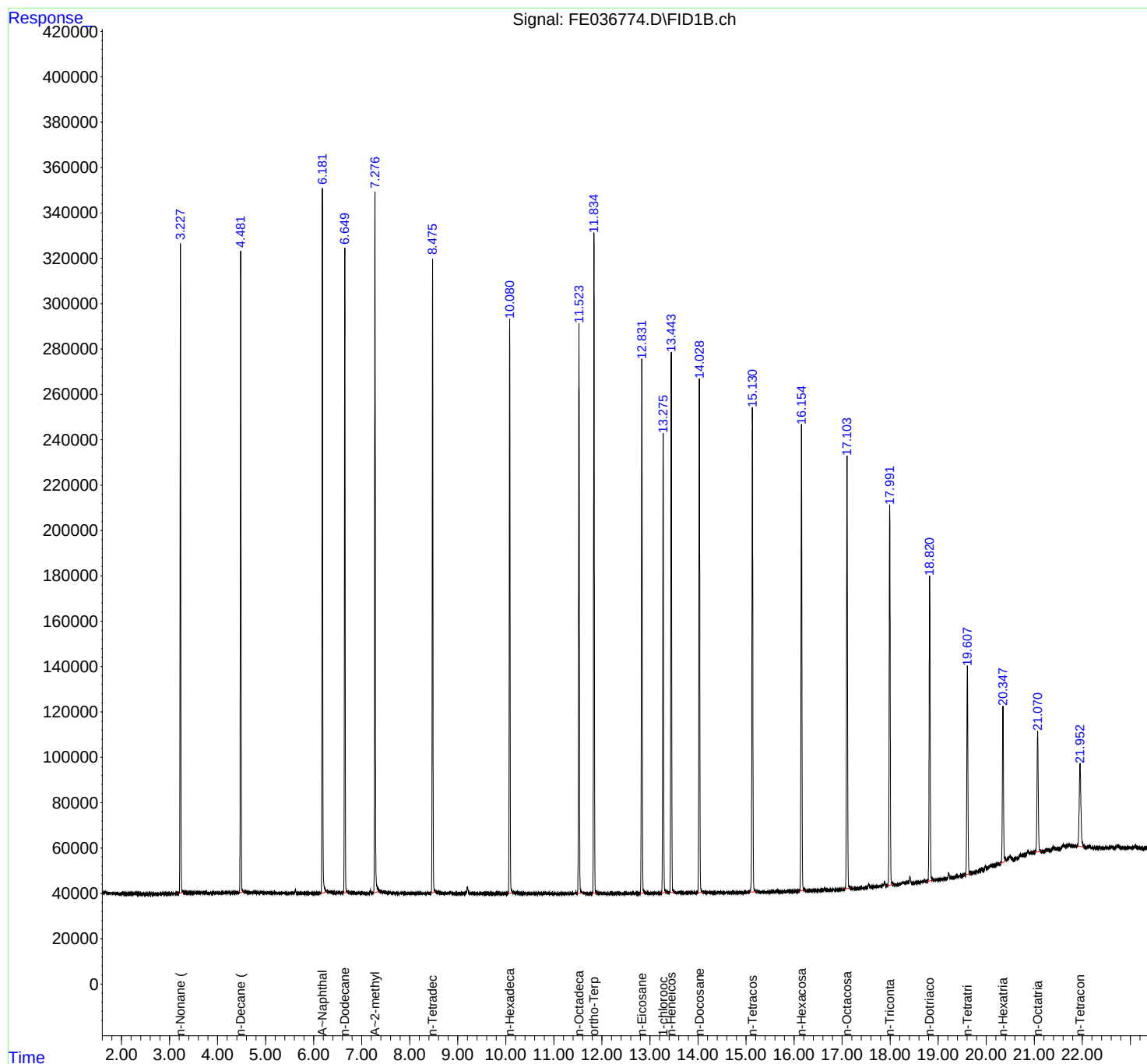
Instrument :
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20 PPM ALIPHATIC HC STD

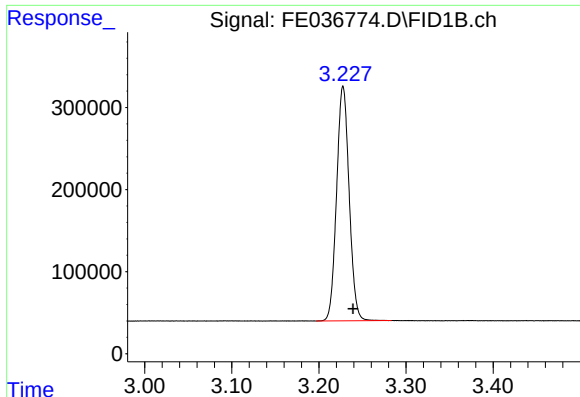
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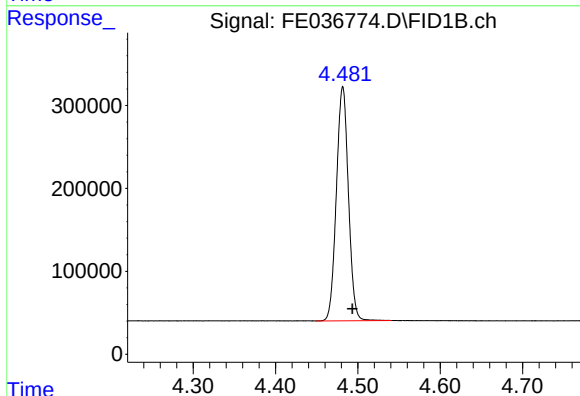
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.011 min
Response: 2863716
Conc: 18.58 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

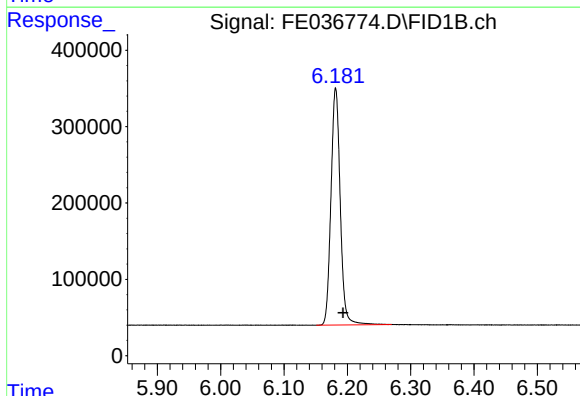
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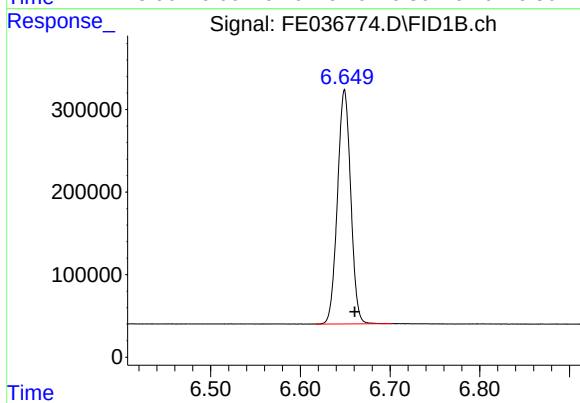
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.012 min
Response: 2867958
Conc: 18.61 ug/ml



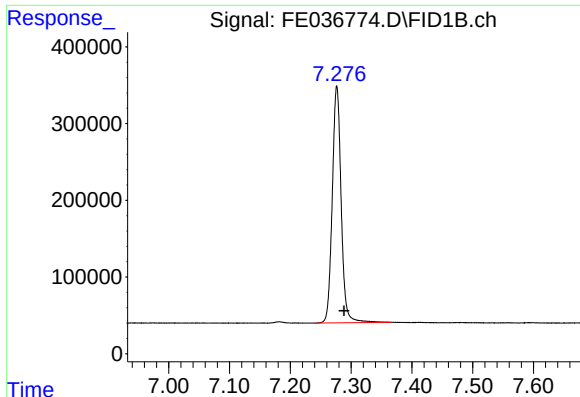
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.012 min
Response: 3157111
Conc: 18.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.011 min
Response: 2914087
Conc: 18.55 ug/ml



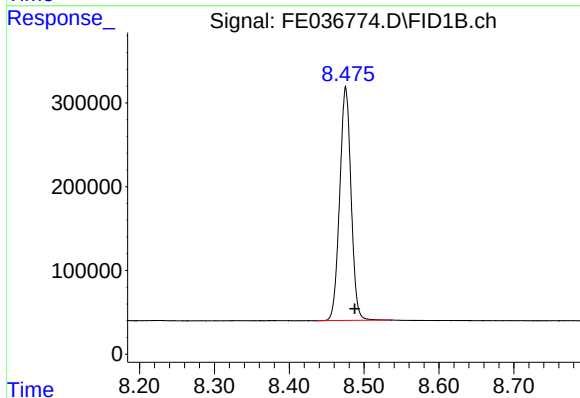
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.012 min
Response: 3145102
Conc: 18.30 ug/ml

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20 PPM ALIPHATIC HC STD

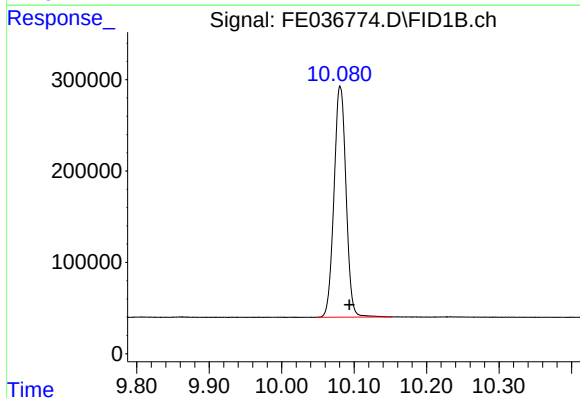
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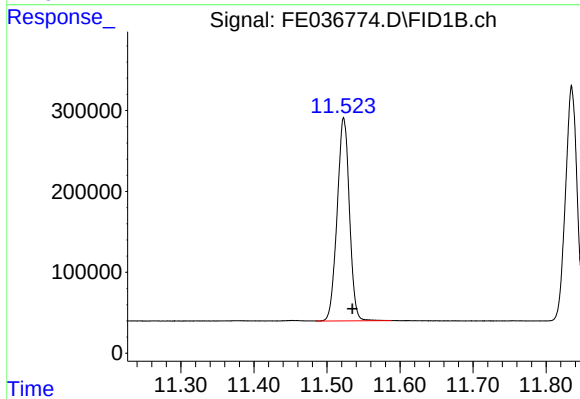
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.012 min
Response: 2943460
Conc: 18.03 ug/ml



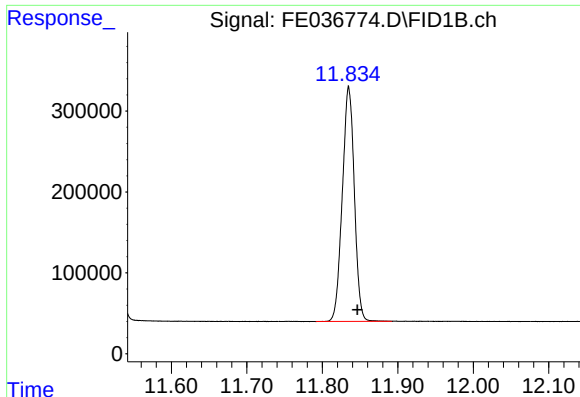
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.013 min
Response: 2914000
Conc: 17.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.523 min
Delta R.T.: -0.012 min
Response: 2932627
Conc: 17.26 ug/ml



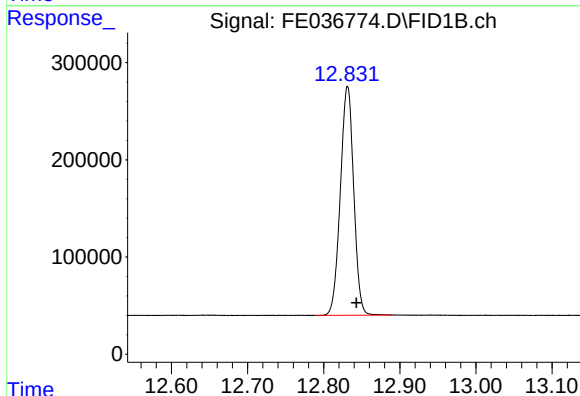
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.011 min
Response: 3213808
Conc: 17.26 ug/ml

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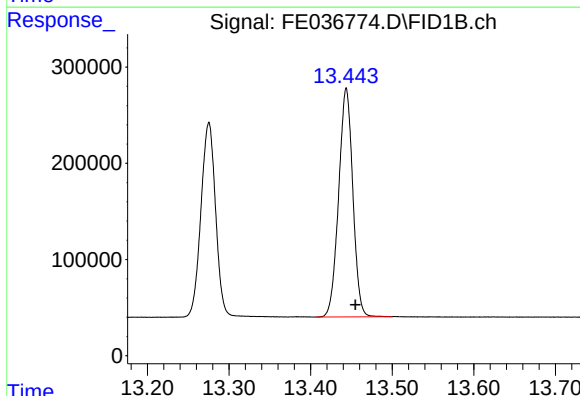
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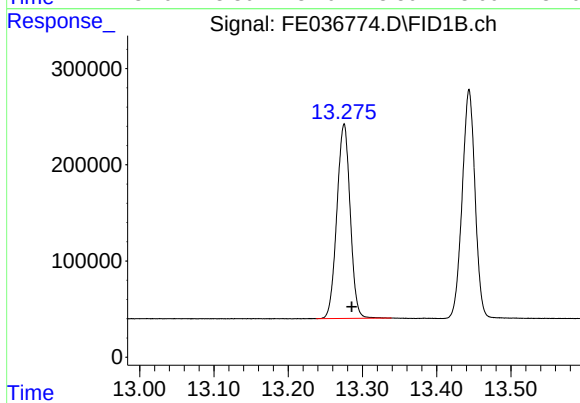
#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.012 min
Response: 2872896
Conc: 16.89 ug/ml



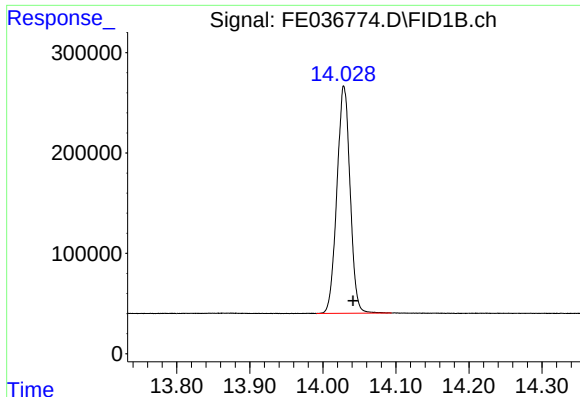
#11 n-Heneicosane (C21)

R.T.: 13.444 min
Delta R.T.: -0.011 min
Response: 2867860
Conc: 16.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.010 min
Response: 2521181
Conc: 16.57 ug/ml



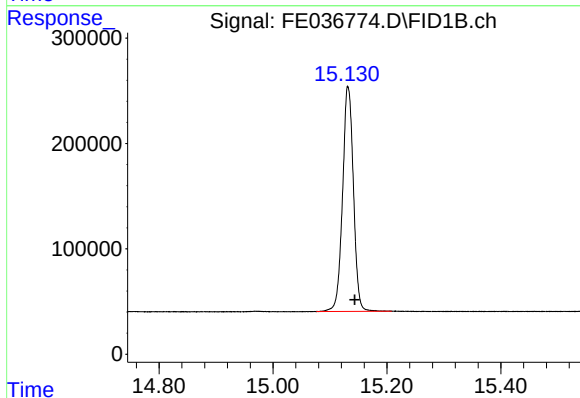
#13 n-Docosane (C22)

R.T.: 14.029 min
Delta R.T.: -0.012 min
Response: 2837200
Conc: 16.62 ug/ml

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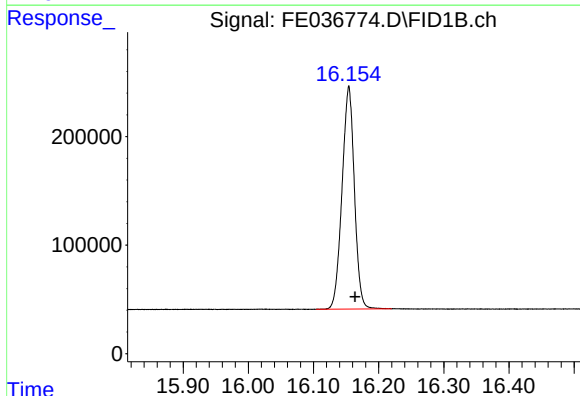
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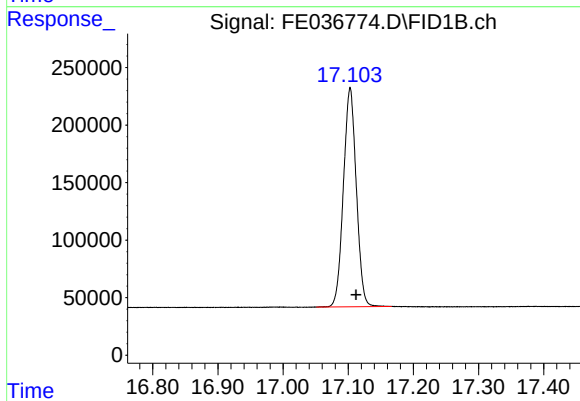
#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.012 min
Response: 2827762
Conc: 16.59 ug/ml



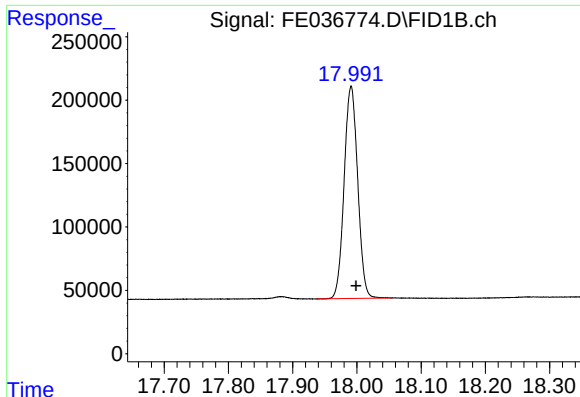
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.010 min
Response: 2702215
Conc: 16.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.009 min
Response: 2618526
Conc: 16.03 ug/ml



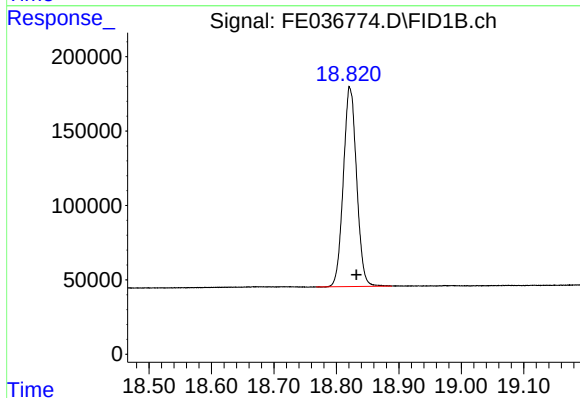
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.008 min
Response: 2451816
Conc: 16.13 ug/ml

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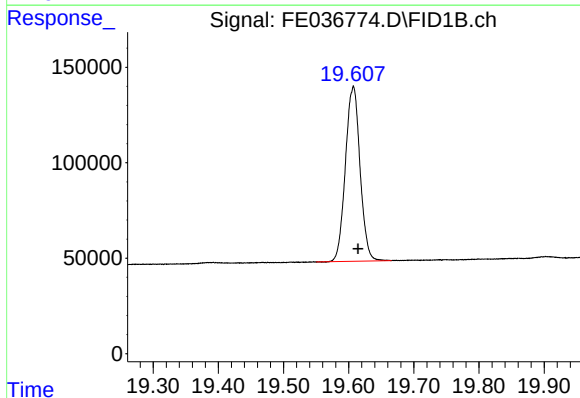
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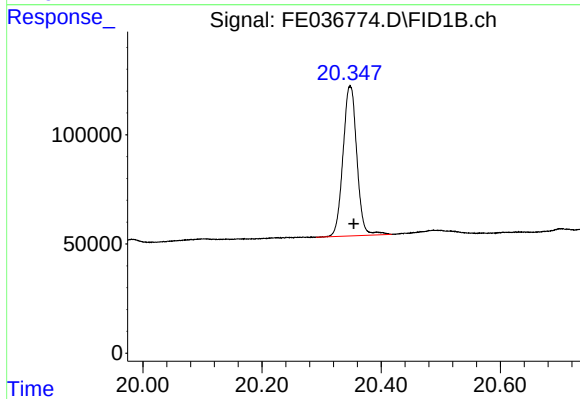
#18 n-Dotriacontane (C32)

R.T.: 18.821 min
Delta R.T.: -0.010 min
Response: 1980100
Conc: 16.46 ug/ml



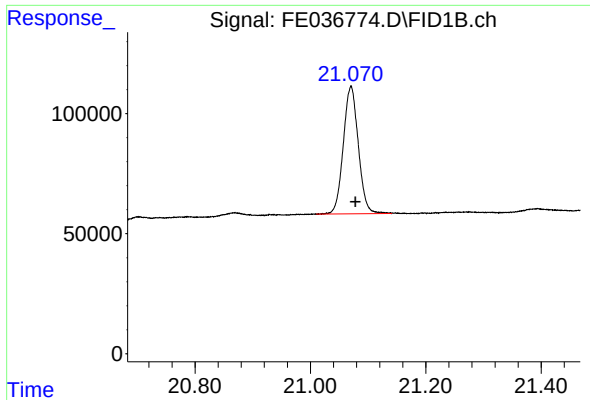
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.007 min
Response: 1428998
Conc: 17.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.006 min
Response: 1106975
Conc: 18.85 ug/ml



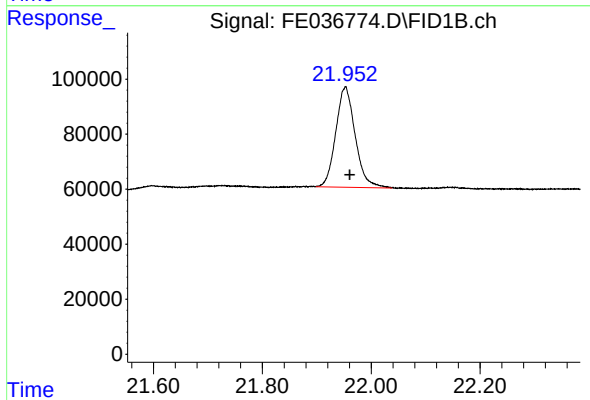
#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.008 min
Response: 959029
Conc: 19.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.952 min
Delta R.T.: -0.008 min
Response: 902705
Conc: 17.48 ug/ml m