

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040423AL\
 Data File : FE041156.D
 Signal(s) : FID1B.ch
 Acq On : 04 Apr 2023 14:22
 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 04/05/2023
 Supervised By :Ankita Jodhani 04/05/2023

Integration File: autoint1.e
 Quant Time: Apr 04 23:52:24 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.852	3469259	18.459 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
12) S 1-chlorooctadecane (S...	13.291	2688146	18.683 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.248	3138512	18.088 ug/ml
2) T n-Decane (C10)	4.495	3141067	18.453 ug/ml
3) T A~Naphthalene (C11.7)	6.198	3431570	18.761 ug/ml
4) T n-Dodecane (C12)	6.660	3208940	18.499 ug/ml
5) T A~2-methylnaphthalene...	7.293	3244397	19.590 ug/ml
6) T n-Tetradecane (C14)	8.487	3239935	18.581 ug/ml
7) T n-Hexadecane (C16)	10.094	3315593	18.642 ug/ml
8) T n-Octadecane (C18)	11.537	3329842	18.649 ug/ml
10) T n-Eicosane (C20)	12.847	3190450	18.704 ug/ml
11) T n-Heneicosane (C21)	13.459	3153052	18.637 ug/ml
13) T n-Docosane (C22)	14.046	3125099	18.884 ug/ml
14) T n-Tetracosane (C24)	15.150	3121307	19.293 ug/ml
15) T n-Hexacosane (C26)	16.172	3042351	19.626 ug/ml
16) T n-Octacosane (C28)	17.122	3069220	20.037 ug/ml
17) T n-Tricontane (C30)	18.011	3145869	20.581 ug/ml
18) T n-Dotriacontane (C32)	18.846	3218085	20.612 ug/ml
19) T n-Tetratriacontane (C34)	19.631	3141037	20.269 ug/mlm
20) T n-Hexatriacontane (C36)	20.373	3110408	20.477 ug/ml
21) T n-Octatriacontane (C38)	21.101	3093257	19.801 ug/mlm
22) T n-Tetracontane (C40)	21.984	3237075	20.282 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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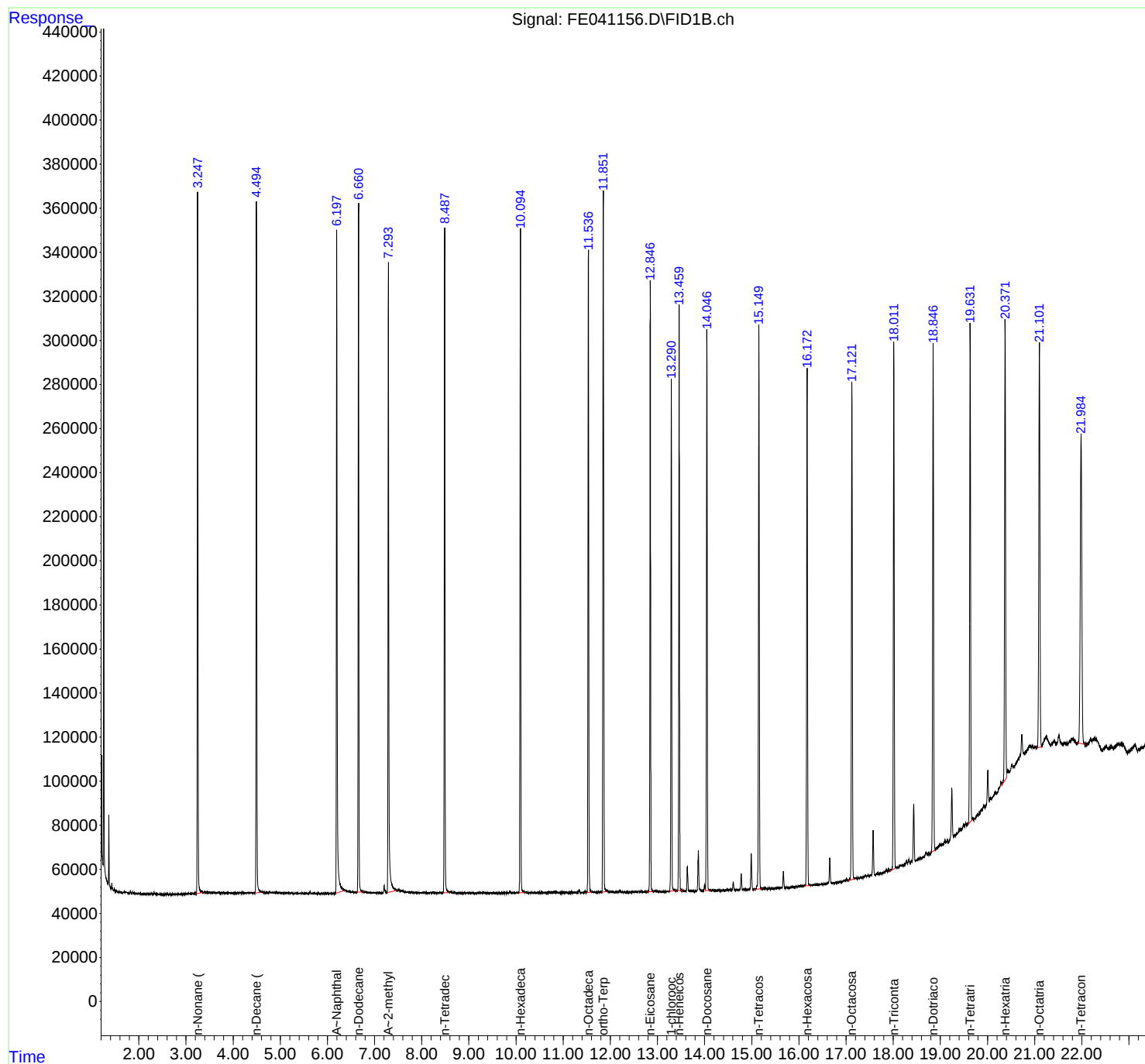
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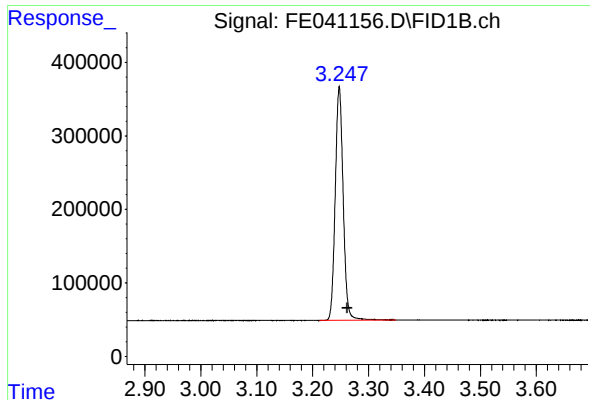
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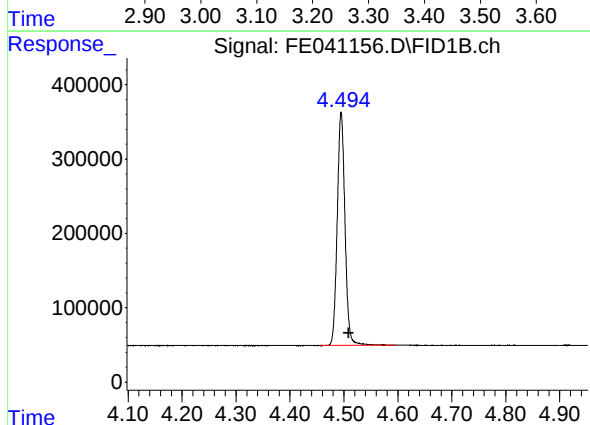
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.014 min
Response: 3138512
Conc: 18.09 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

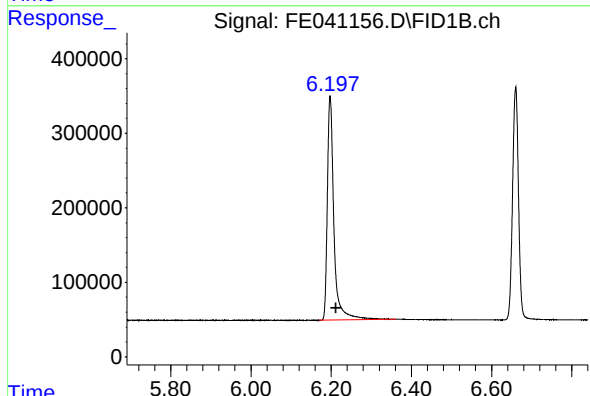
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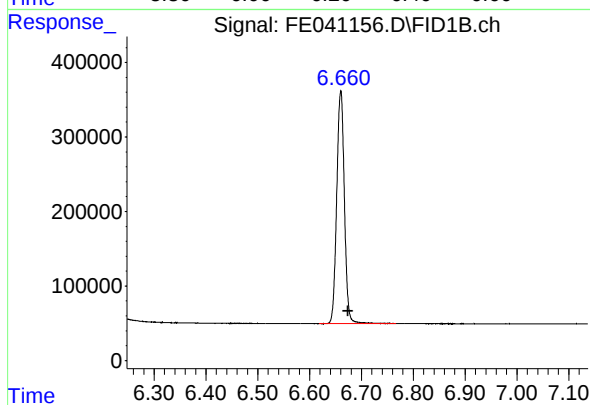
#2 n-Decane (C10)

R.T.: 4.495 min
Delta R.T.: -0.014 min
Response: 3141067
Conc: 18.45 ug/ml



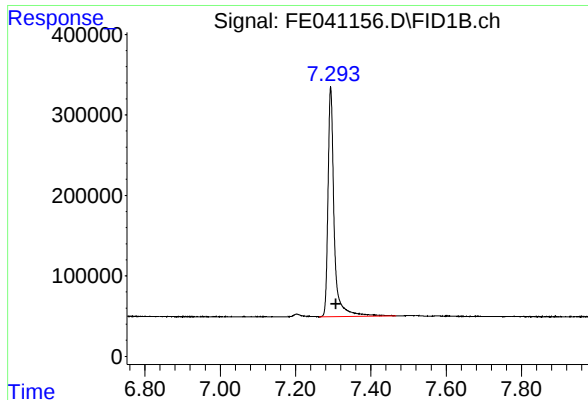
#3 A~Naphthalene (C11.7)

R.T.: 6.198 min
Delta R.T.: -0.014 min
Response: 3431570
Conc: 18.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: -0.013 min
Response: 3208940
Conc: 18.50 ug/ml



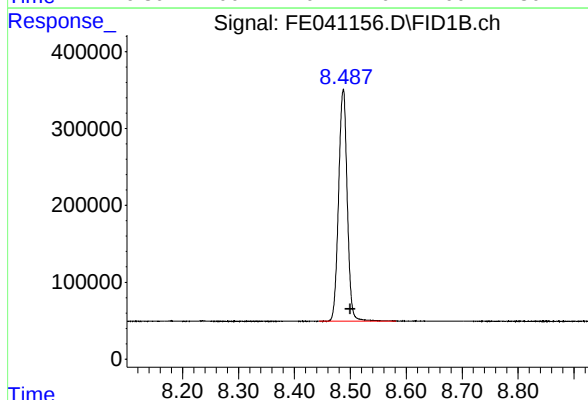
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.293 min
Delta R.T.: -0.014 min
Response: 3244397
Conc: 19.59 ug/ml

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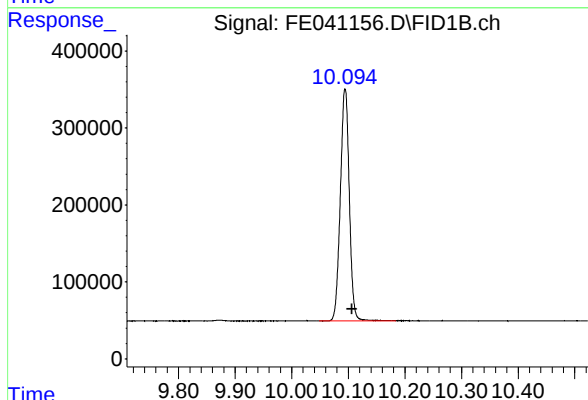
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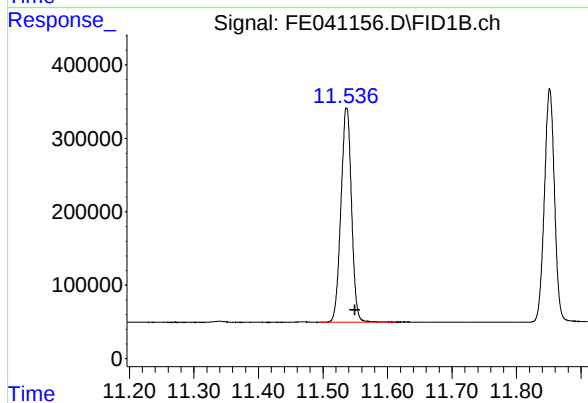
#6 n-Tetradecane (C14)

R.T.: 8.487 min
Delta R.T.: -0.013 min
Response: 3239935
Conc: 18.58 ug/ml



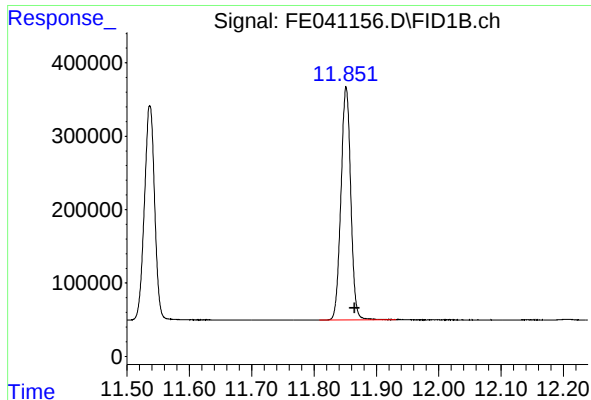
#7 n-Hexadecane (C16)

R.T.: 10.094 min
Delta R.T.: -0.012 min
Response: 3315593
Conc: 18.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: -0.013 min
Response: 3329842
Conc: 18.65 ug/ml



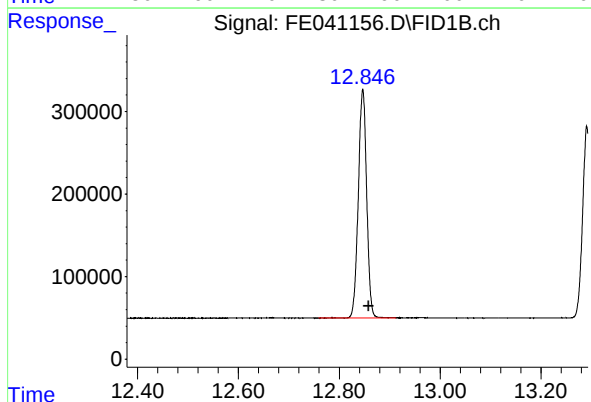
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min
Delta R.T.: -0.014 min
Response: 3469259
Conc: 18.46 ug/ml

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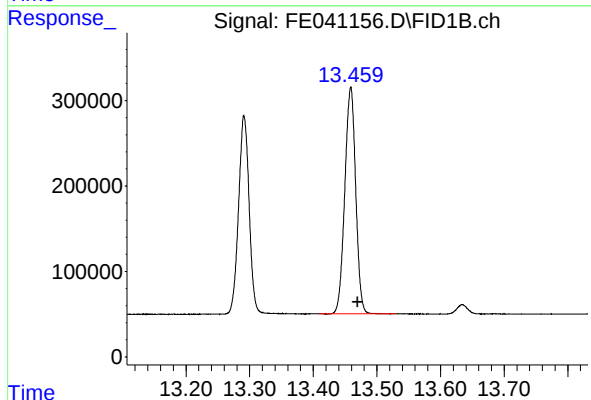
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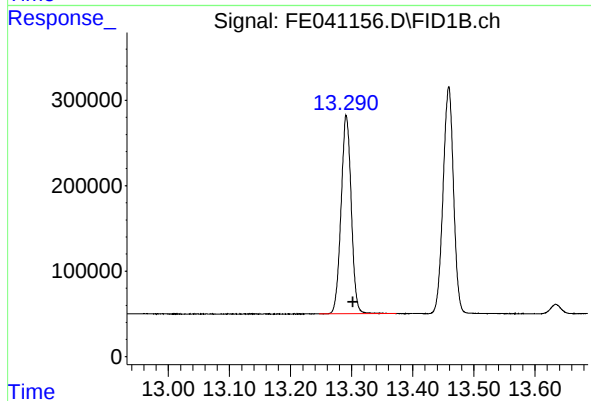
#10 n-Eicosane (C20)

R.T.: 12.847 min
Delta R.T.: -0.012 min
Response: 3190450
Conc: 18.70 ug/ml



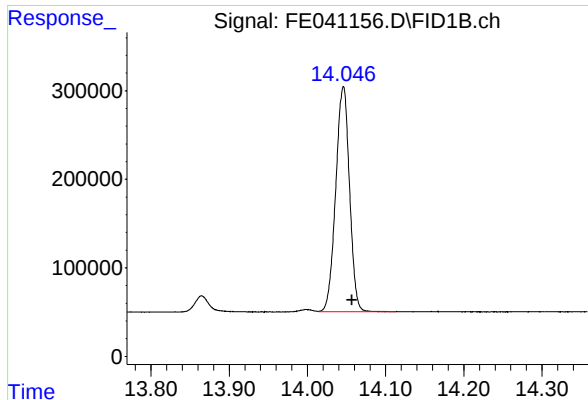
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.011 min
Response: 3153052
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.291 min
Delta R.T.: -0.011 min
Response: 2688146
Conc: 18.68 ug/ml



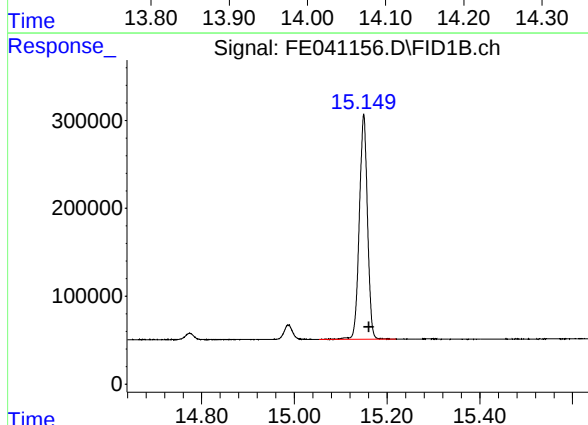
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.011 min
Response: 3125099
Conc: 18.88 ug/ml

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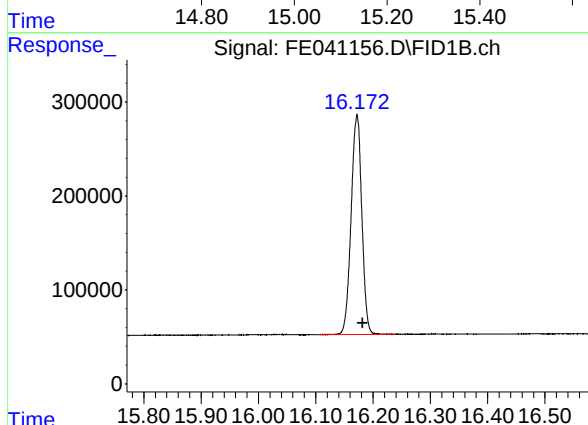
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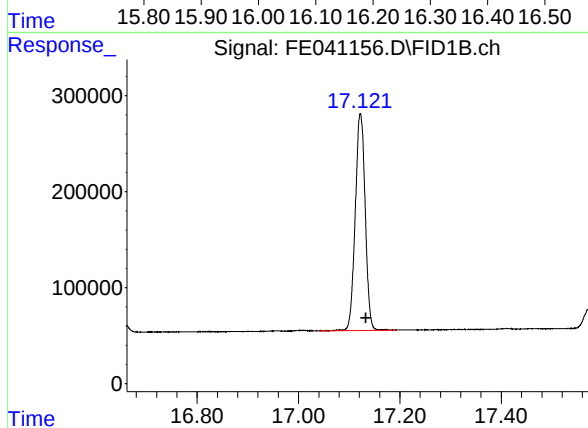
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.011 min
Response: 3121307
Conc: 19.29 ug/ml



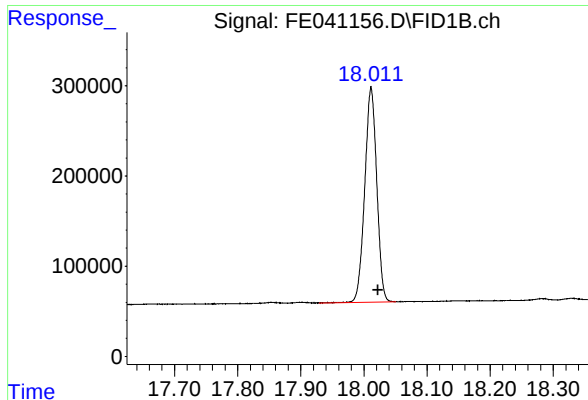
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.010 min
Response: 3042351
Conc: 19.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.011 min
Response: 3069220
Conc: 20.04 ug/ml



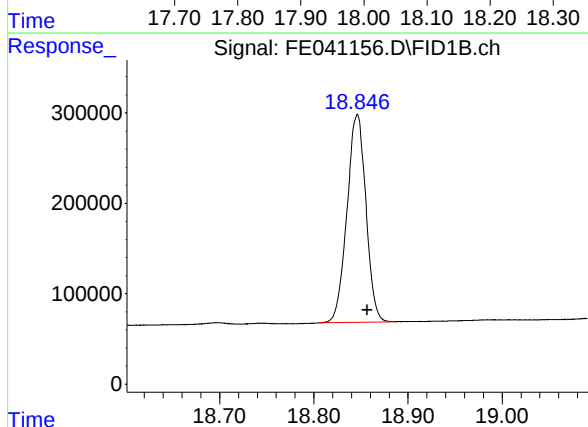
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.011 min
Response: 3145869
Conc: 20.58 ug/ml

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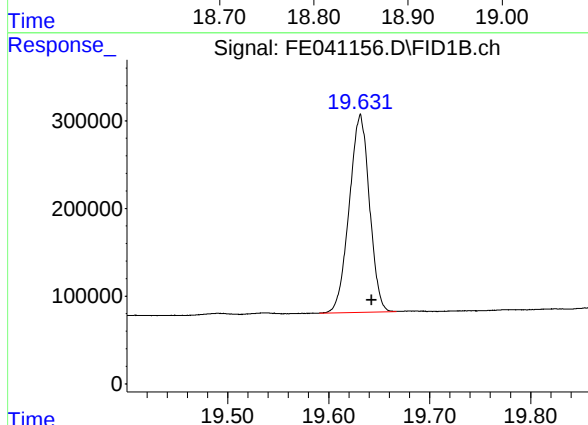
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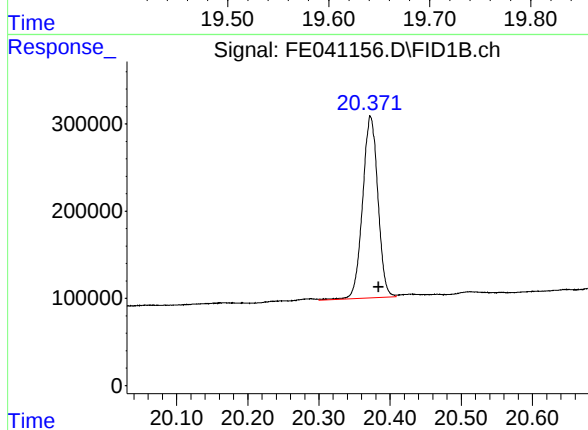
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.011 min
Response: 3218085
Conc: 20.61 ug/ml



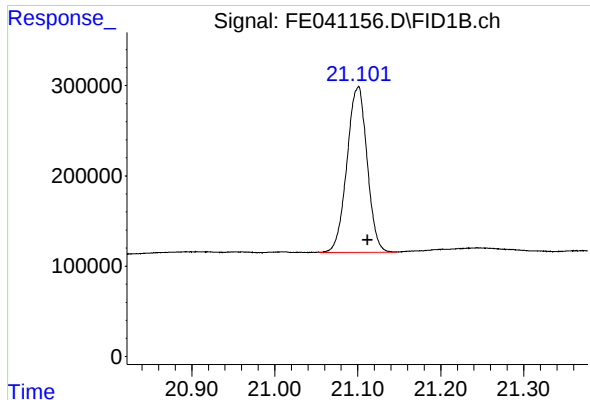
#19 n-Tetratriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.011 min
Response: 3141037
Conc: 20.27 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 3110408
Conc: 20.48 ug/ml



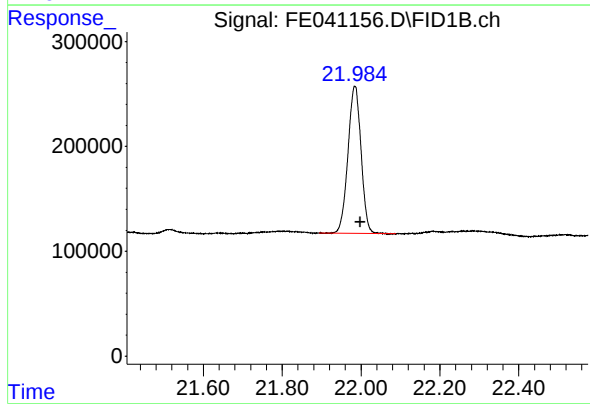
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.011 min
Response: 3093257
Conc: 19.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: -0.014 min
Response: 3237075
Conc: 20.28 ug/ml