

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061622AL\
 Data File : FE036111.D
 Signal(s) : FID1B.CH
 Acq On : 16 Jun 2022 22:22
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2022
 Supervised By :Ankita Jodhani 06/17/2022

Integration File: sample.E
 Quant Time: Jun 17 01:18:19 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 060922.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 09 16:49:15 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	10.872	2600034	19.035 ug/ml
Spiked Amount 50.000		Recovery =	38.07%
12) S 1-chlorooctadecane (S...	12.311	2027721	19.403 ug/ml
Spiked Amount 50.000		Recovery =	38.81%
Target Compounds			
1) T n-Nonane (C9)	2.727	2605685	20.638 ug/ml
2) T n-Decane (C10)	3.737	2533116	20.339 ug/ml
3) T A~Naphthalene (C11.7)	5.298	2722999	19.563 ug/ml
4) T n-Dodecane (C12)	5.727	2478153	19.703 ug/ml
5) T A~2-methylnaphthalene...	6.347	2707411	19.373 ug/ml
6) T n-Tetradecane (C14)	7.519	2421496	19.374 ug/ml
7) T n-Hexadecane (C16)	9.118	2393643	19.558 ug/ml
8) T n-Octadecane (C18)	10.559	2385122	19.595 ug/ml
10) T n-Eicosane (C20)	11.867	2342781	19.398 ug/ml
11) T n-Heneicosane (C21)	12.480	2338295	19.309 ug/ml
13) T n-Docosane (C22)	13.065	2319847	19.205 ug/ml
14) T n-Tetracosane (C24)	14.168	2298960	18.938 ug/ml
15) T n-Hexacosane (C26)	15.189	2282566	18.793 ug/ml
16) T n-Octacosane (C28)	16.140	2285620	18.785 ug/ml
17) T n-Tricontane (C30)	17.027	2320352	19.162 ug/ml
18) T n-Dotriacontane (C32)	17.861	2252700	19.282 ug/ml
19) T n-Tetratriacontane (C34)	18.643	2134002	19.503 ug/mlm
20) T n-Hexatriacontane (C36)	19.384	2051111	20.104 ug/ml
21) T n-Octatriacontane (C38)	20.114	2183633	22.200 ug/mlm
22) T n-Tetracontane (C40)	21.008	2114218	21.712 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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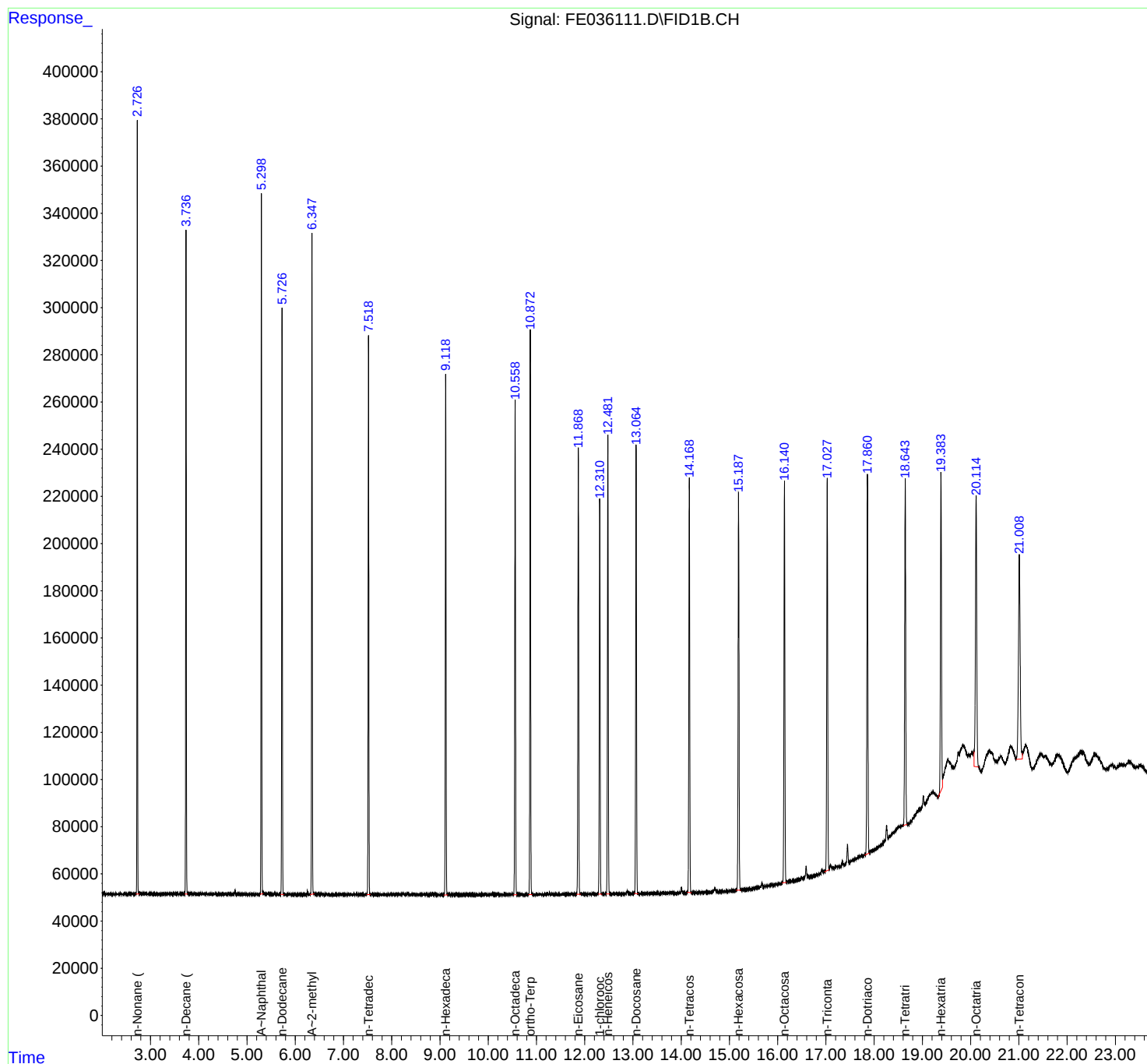
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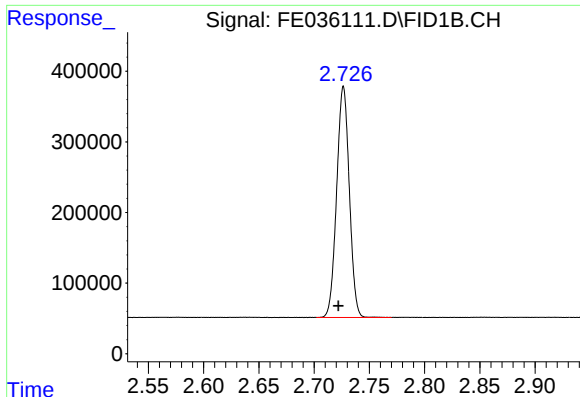
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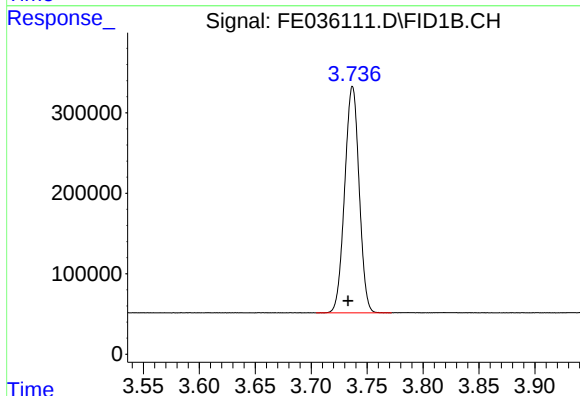
#1 n-Nonane (C9)

R.T.: 2.727 min
Delta R.T.: 0.005 min
Response: 2605685
Conc: 20.64 ug/ml

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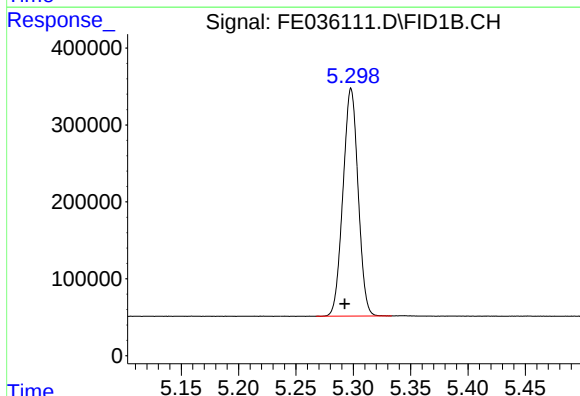
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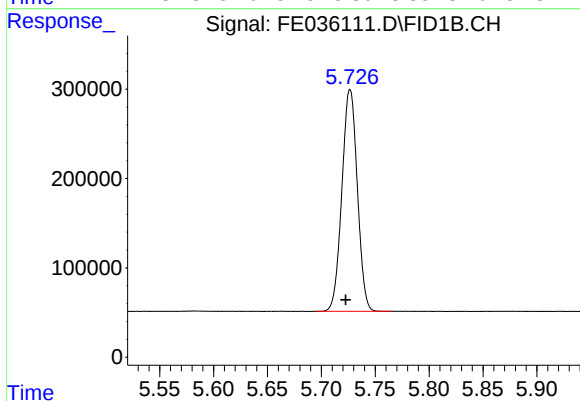
#2 n-Decane (C10)

R.T.: 3.737 min
Delta R.T.: 0.004 min
Response: 2533116
Conc: 20.34 ug/ml



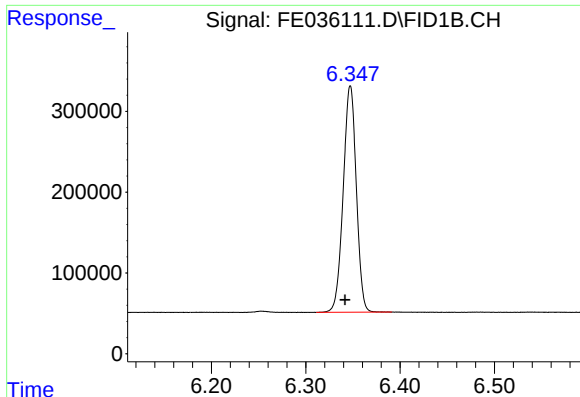
#3 A~Naphthalene (C11.7)

R.T.: 5.298 min
Delta R.T.: 0.006 min
Response: 2722999
Conc: 19.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.727 min
Delta R.T.: 0.004 min
Response: 2478153
Conc: 19.70 ug/ml



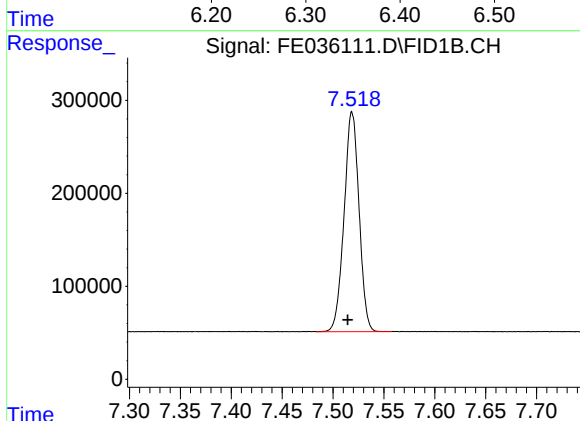
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.347 min
Delta R.T.: 0.006 min
Response: 2707411
Conc: 19.37 ug/ml

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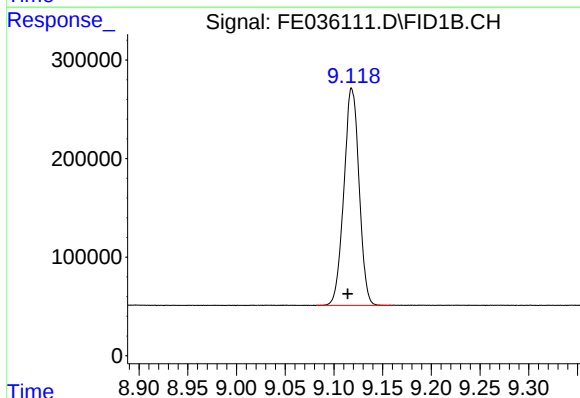
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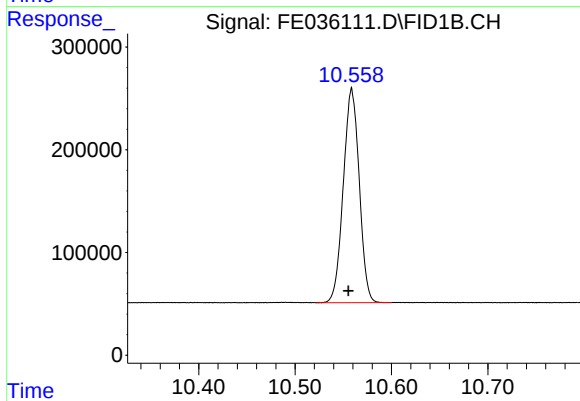
#6 n-Tetradecane (C14)

R.T.: 7.519 min
Delta R.T.: 0.004 min
Response: 2421496
Conc: 19.37 ug/ml



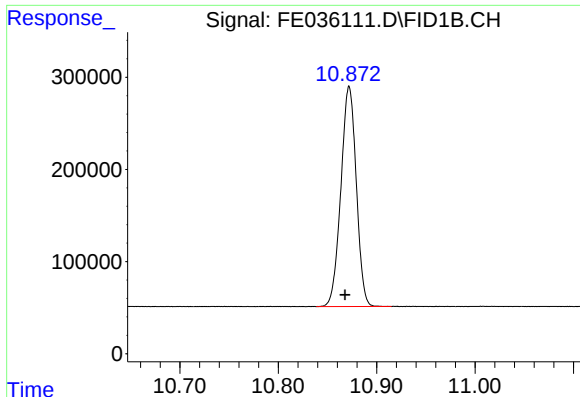
#7 n-Hexadecane (C16)

R.T.: 9.118 min
Delta R.T.: 0.004 min
Response: 2393643
Conc: 19.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.559 min
Delta R.T.: 0.003 min
Response: 2385122
Conc: 19.60 ug/ml



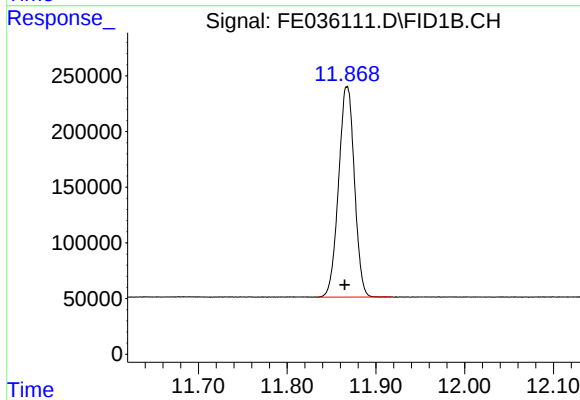
#9 ortho-Terphenyl (SURR)

R.T.: 10.872 min
Delta R.T.: 0.004 min
Response: 2600034
Conc: 19.03 ug/ml

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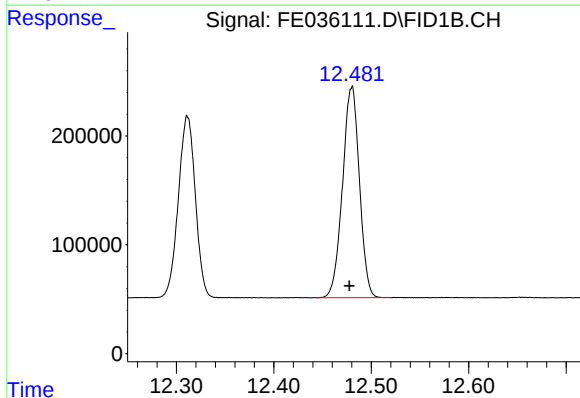
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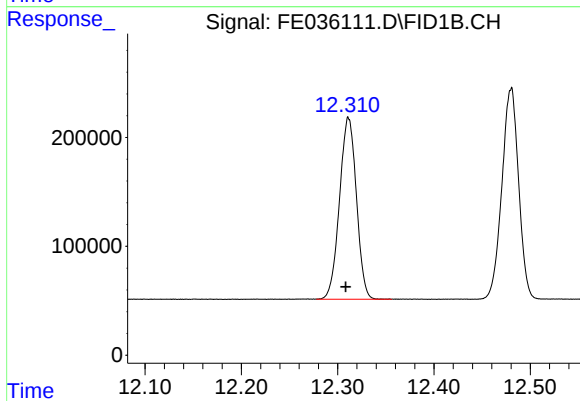
#10 n-Eicosane (C20)

R.T.: 11.867 min
Delta R.T.: 0.003 min
Response: 2342781
Conc: 19.40 ug/ml



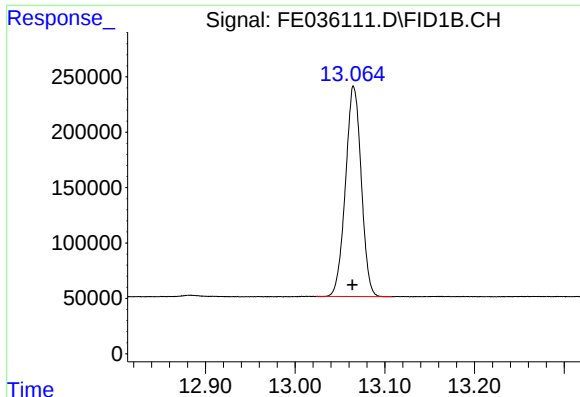
#11 n-Heneicosane (C21)

R.T.: 12.480 min
Delta R.T.: 0.003 min
Response: 2338295
Conc: 19.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.311 min
Delta R.T.: 0.003 min
Response: 2027721
Conc: 19.40 ug/ml



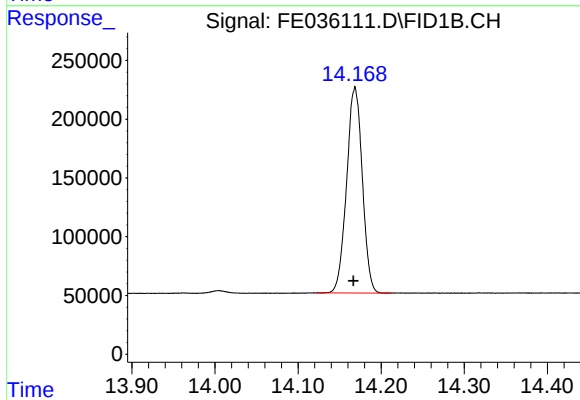
#13 n-Docosane (C22)

R.T.: 13.065 min
Delta R.T.: 0.001 min
Response: 2319847
Conc: 19.21 ug/ml

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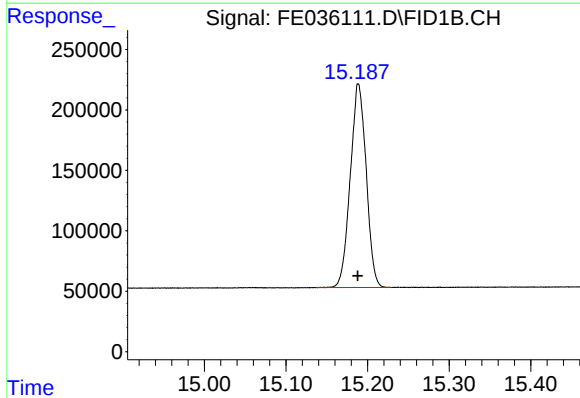
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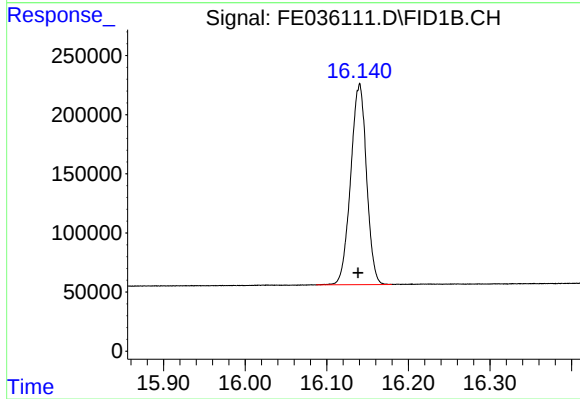
#14 n-Tetracosane (C24)

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 2298960
Conc: 18.94 ug/ml



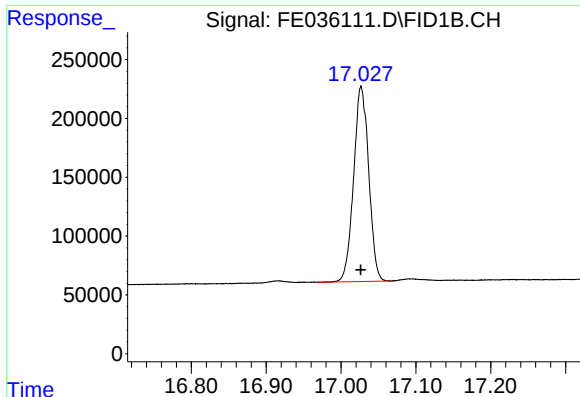
#15 n-Hexacosane (C26)

R.T.: 15.189 min
Delta R.T.: 0.000 min
Response: 2282566
Conc: 18.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.140 min
Delta R.T.: 0.002 min
Response: 2285620
Conc: 18.78 ug/ml



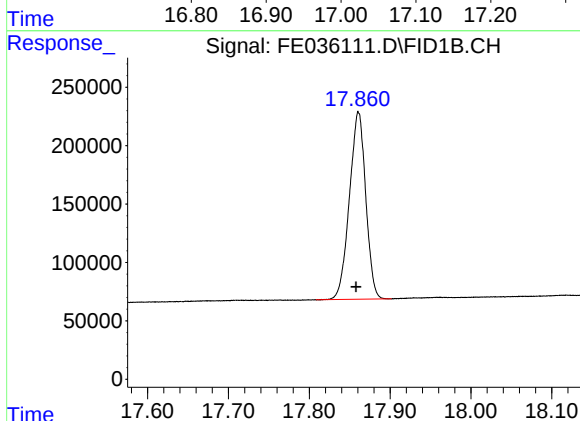
#17 n-Tricontane (C30)

R.T.: 17.027 min
Delta R.T.: 0.000 min
Response: 2320352
Conc: 19.16 ug/ml

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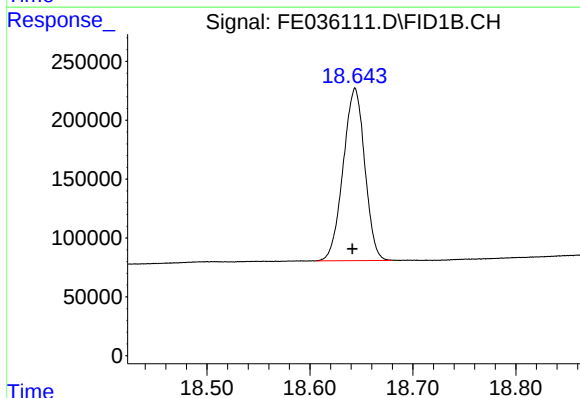
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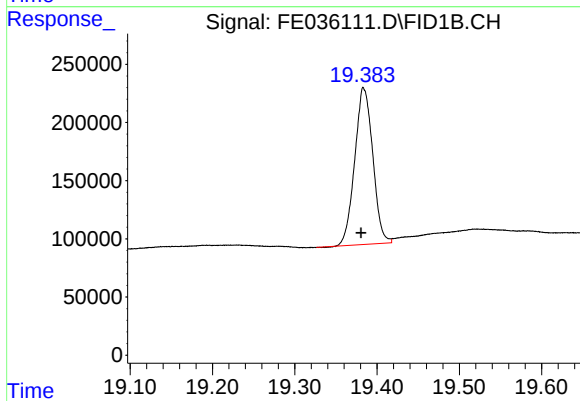
#18 n-Dotriacontane (C32)

R.T.: 17.861 min
Delta R.T.: 0.003 min
Response: 2252700
Conc: 19.28 ug/ml



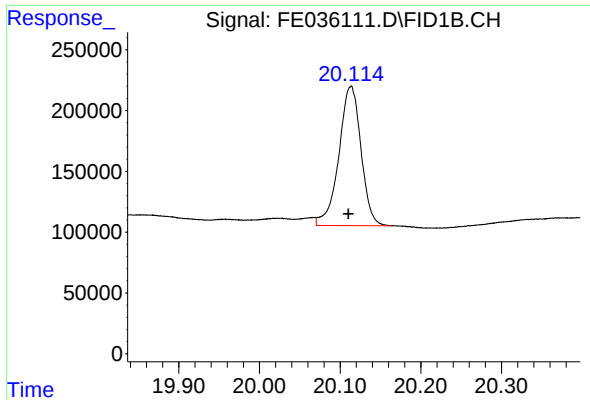
#19 n-Tetratriacontane (C34)

R.T.: 18.643 min
Delta R.T.: 0.002 min
Response: 2134002
Conc: 19.50 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.384 min
Delta R.T.: 0.003 min
Response: 2051111
Conc: 20.10 ug/ml



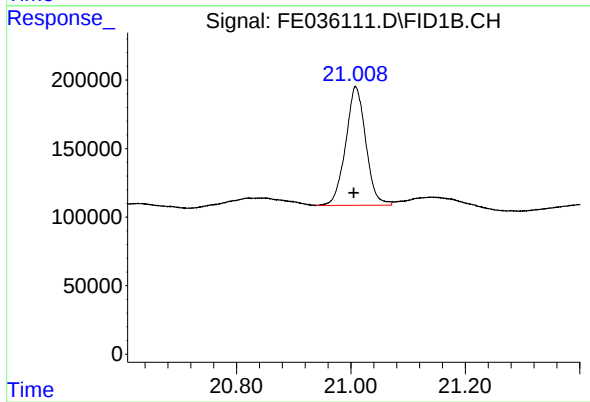
#21 n-Octatriacontane (C38)

R.T.: 20.114 min
Delta R.T.: 0.004 min
Response: 2183633
Conc: 22.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.008 min
Delta R.T.: 0.003 min
Response: 2114218
Conc: 21.71 ug/ml m