

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060622AL\
 Data File : FE035914.D
 Signal(s) : FID1B.CH
 Acq On : 06 Jun 2022 15:46
 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 06/07/2022
 Supervised By :Ankita Jodhani 06/07/2022

Integration File: sample.E
 Quant Time: Jun 07 01:32:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051022.M
 Quant Title : GC Extractables
 QLast Update : Wed May 11 03:24:10 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)	10.953	2556836	19.275 ug/ml
Spiked Amount 50.000		Recovery =	38.55%
12) S 1-chlorooctadecane (S...	12.383	1970263	18.835 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
Target Compounds			
1) T n-Nonane (C9)	2.802	2361001	19.769 ug/ml
2) T n-Decane (C10)	3.817	2346935	19.833 ug/ml
3) T A~Naphthalene (C11.7)	5.385	2593523	19.409 ug/ml
4) T n-Dodecane (C12)	5.807	2355959	19.665 ug/ml
5) T A~2-methylnaphthalene...	6.434	2598231	19.213 ug/ml
6) T n-Tetradecane (C14)	7.596	2333705	19.580 ug/ml
7) T n-Hexadecane (C16)	9.193	2323389	19.485 ug/ml
8) T n-Octadecane (C18)	10.632	2326443	19.407 ug/ml
10) T n-Eicosane (C20)	11.938	2295758	19.244 ug/ml
11) T n-Heneicosane (C21)	12.549	2296494	19.127 ug/ml
13) T n-Docosane (C22)	13.134	2294590	19.054 ug/ml
14) T n-Tetracosane (C24)	14.234	2290834	18.933 ug/ml
15) T n-Hexacosane (C26)	15.253	2265531	18.721 ug/ml
16) T n-Octacosane (C28)	16.200	2267959	18.713 ug/ml
17) T n-Tricontane (C30)	17.085	2265722	18.843 ug/ml
18) T n-Dotriacontane (C32)	17.917	2187152	19.032 ug/ml
19) T n-Tetratriacontane (C34)	18.699	2070877	19.144 ug/ml
20) T n-Hexatriacontane (C36)	19.437	2032144	20.173 ug/mlm
21) T n-Octatriacontane (C38)	20.171	1967233	20.648 ug/mlm
22) T n-Tetracontane (C40)	21.089	2237813	23.963 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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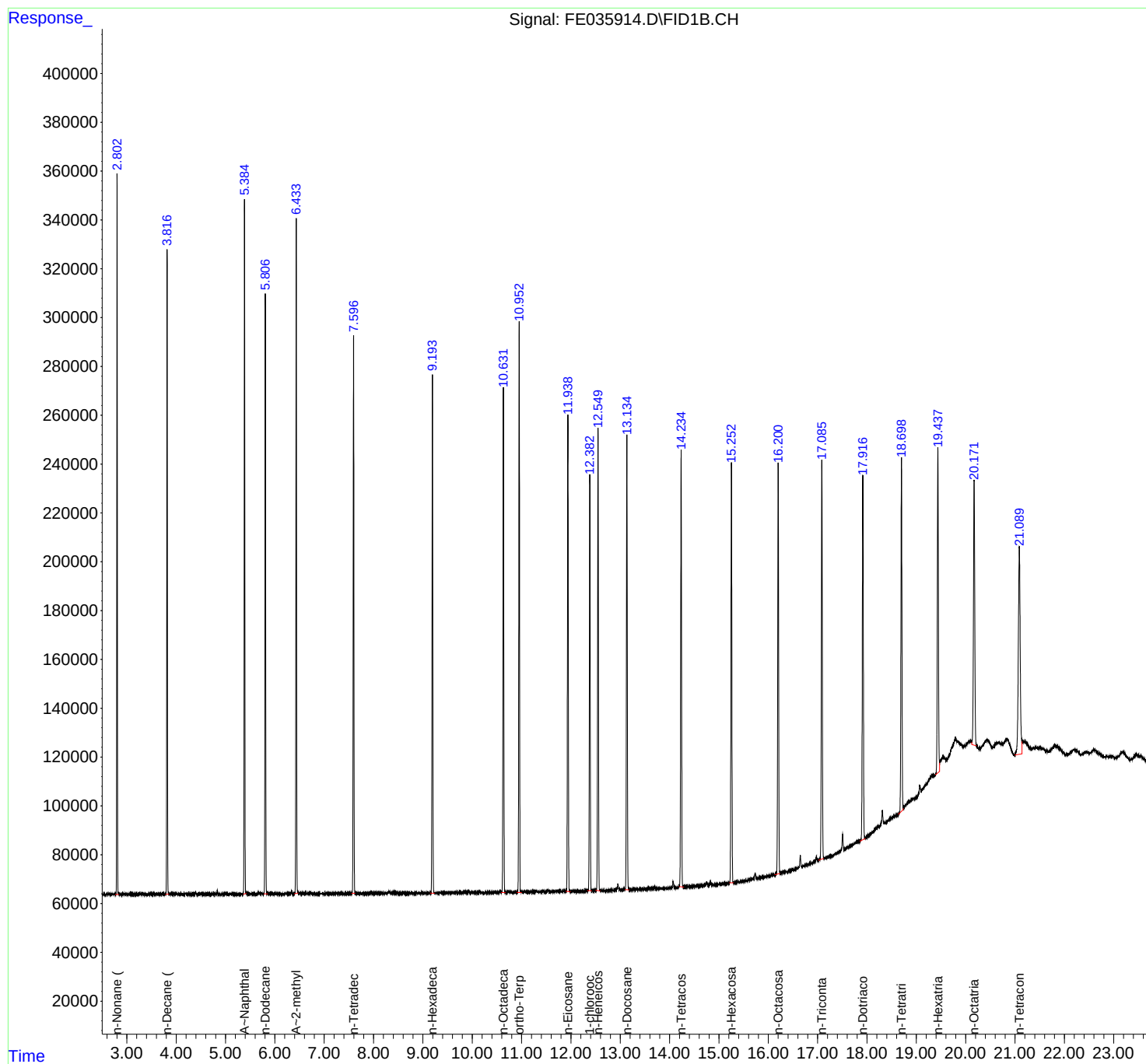
Instrument :
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20 PPM ALIPHATIC HC STD

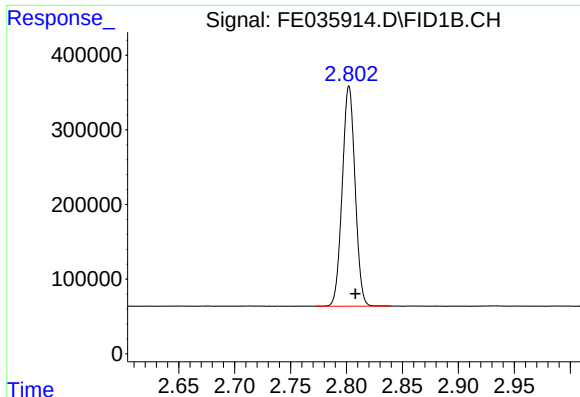
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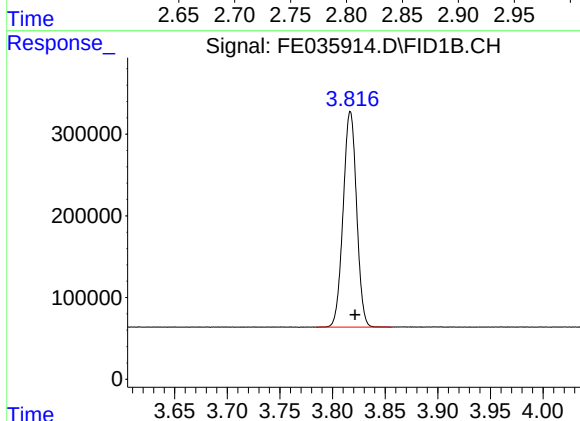
#1 n-Nonane (C9)

R.T.: 2.802 min
Delta R.T.: -0.006 min
Response: 2361001
Conc: 19.77 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

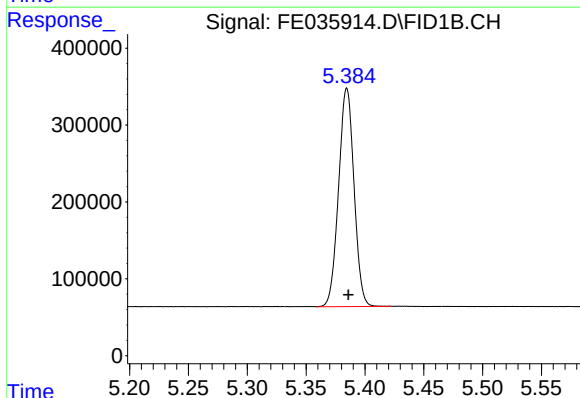
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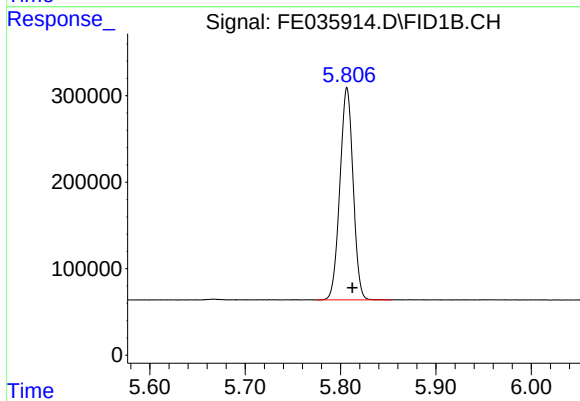
#2 n-Decane (C10)

R.T.: 3.817 min
Delta R.T.: -0.005 min
Response: 2346935
Conc: 19.83 ug/ml



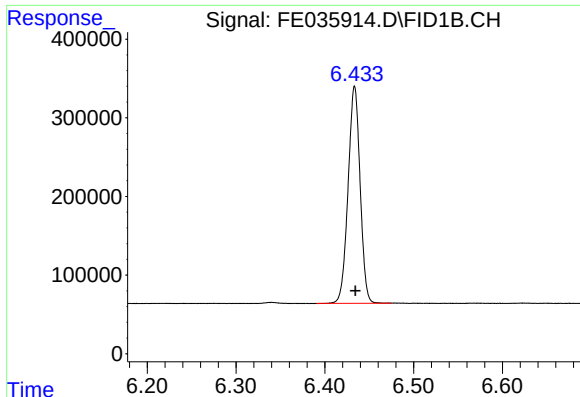
#3 A~Naphthalene (C11.7)

R.T.: 5.385 min
Delta R.T.: -0.001 min
Response: 2593523
Conc: 19.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.807 min
Delta R.T.: -0.006 min
Response: 2355959
Conc: 19.66 ug/ml



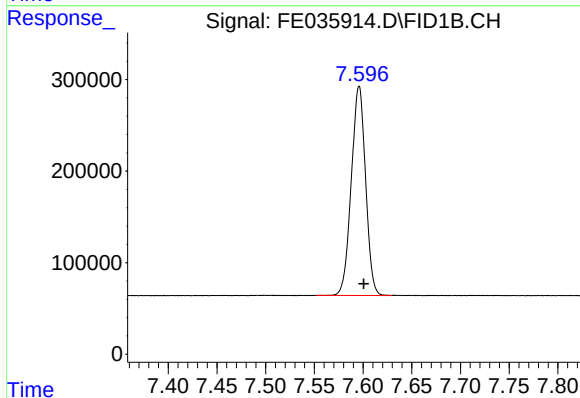
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 2598231
Conc: 19.21 ug/ml

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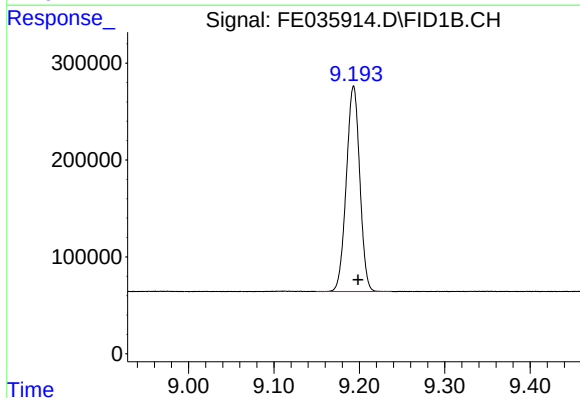
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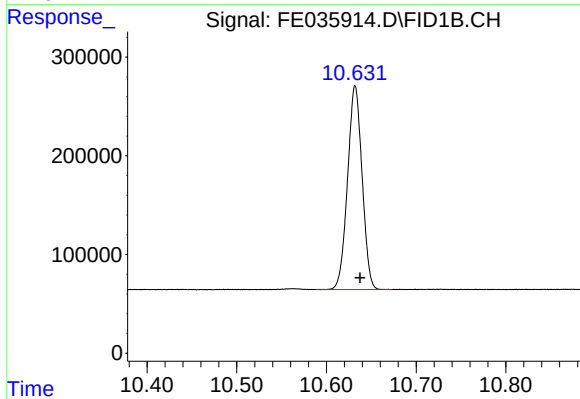
#6 n-Tetradecane (C14)

R.T.: 7.596 min
Delta R.T.: -0.005 min
Response: 2333705
Conc: 19.58 ug/ml



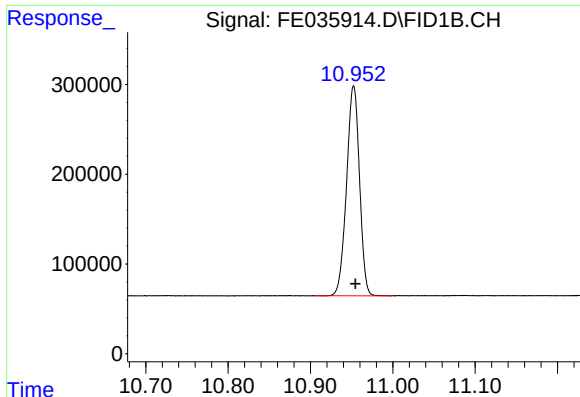
#7 n-Hexadecane (C16)

R.T.: 9.193 min
Delta R.T.: -0.005 min
Response: 2323389
Conc: 19.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.632 min
Delta R.T.: -0.005 min
Response: 2326443
Conc: 19.41 ug/ml



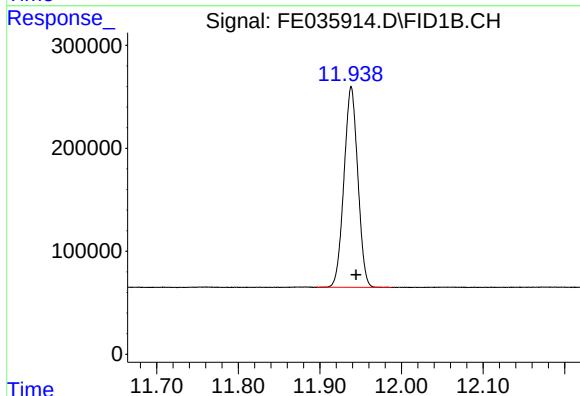
#9 ortho-Terphenyl (SURR)

R.T.: 10.953 min
Delta R.T.: -0.002 min
Response: 2556836
Conc: 19.27 ug/ml

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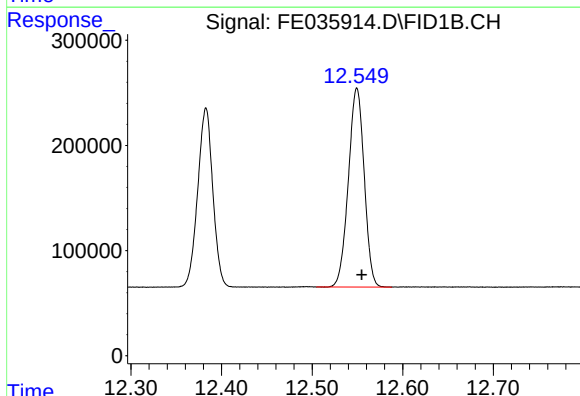
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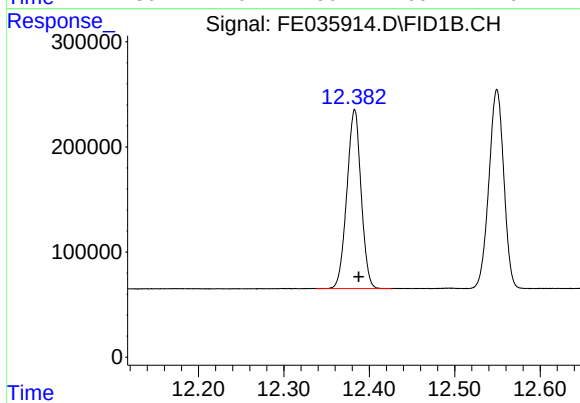
#10 n-Eicosane (C20)

R.T.: 11.938 min
Delta R.T.: -0.006 min
Response: 2295758
Conc: 19.24 ug/ml



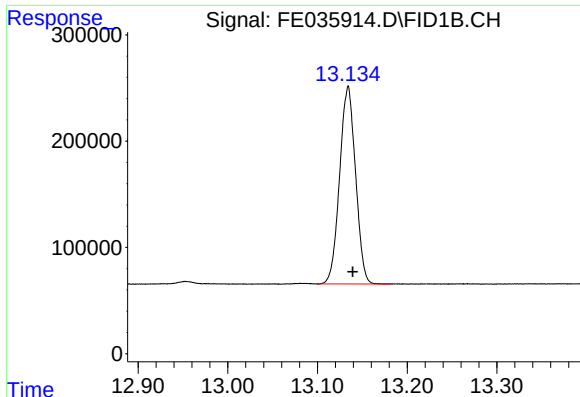
#11 n-Heneicosane (C21)

R.T.: 12.549 min
Delta R.T.: -0.005 min
Response: 2296494
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.383 min
Delta R.T.: -0.005 min
Response: 1970263
Conc: 18.84 ug/ml



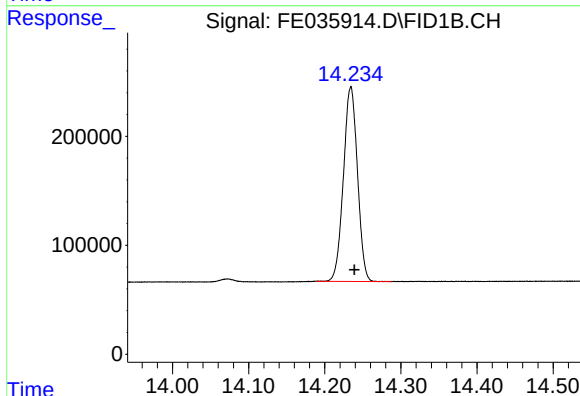
#13 n-Docosane (C22)

R.T.: 13.134 min
Delta R.T.: -0.005 min
Response: 2294590
Conc: 19.05 ug/ml

Instrument :
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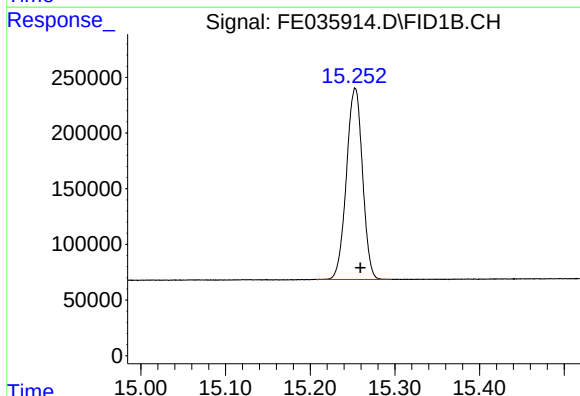
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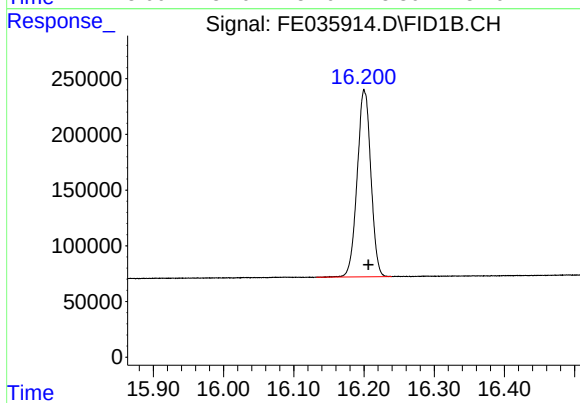
#14 n-Tetracosane (C24)

R.T.: 14.234 min
Delta R.T.: -0.005 min
Response: 2290834
Conc: 18.93 ug/ml



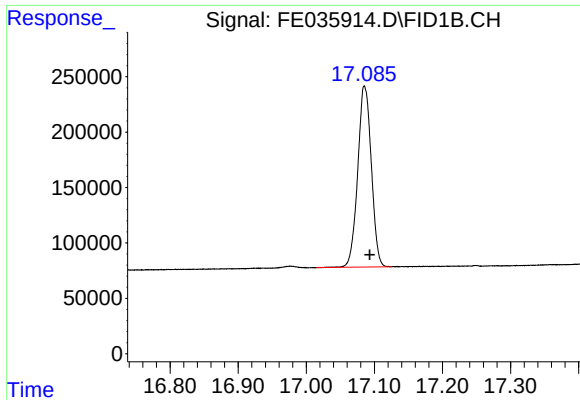
#15 n-Hexacosane (C26)

R.T.: 15.253 min
Delta R.T.: -0.006 min
Response: 2265531
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.200 min
Delta R.T.: -0.006 min
Response: 2267959
Conc: 18.71 ug/ml



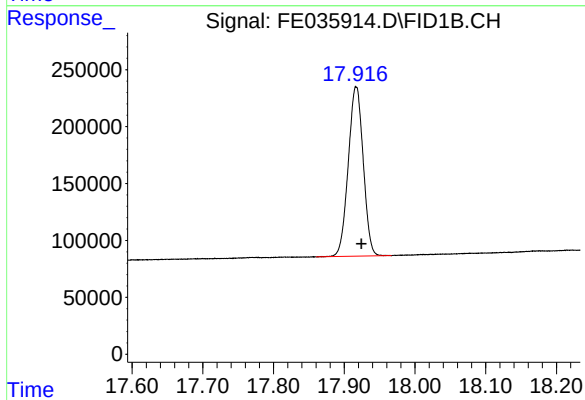
#17 n-Tricontane (C30)

R.T.: 17.085 min
Delta R.T.: -0.008 min
Response: 2265722
Conc: 18.84 ug/ml

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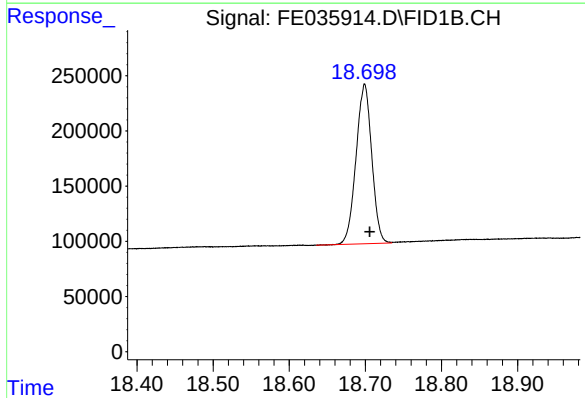
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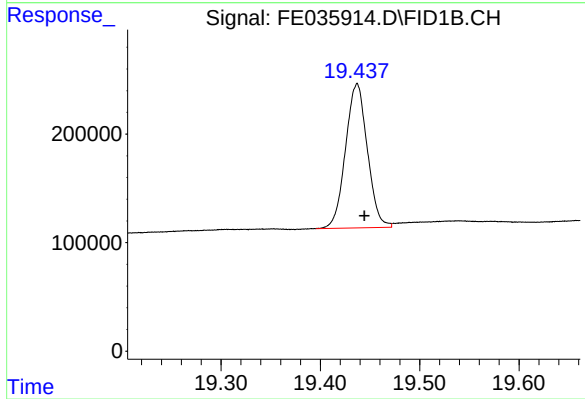
#18 n-Dotriacontane (C32)

R.T.: 17.917 min
Delta R.T.: -0.007 min
Response: 2187152
Conc: 19.03 ug/ml



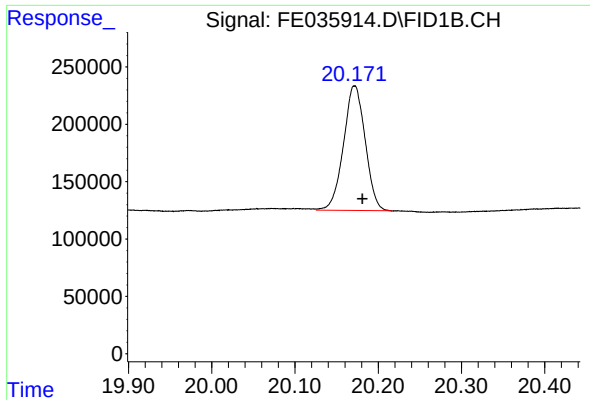
#19 n-Tetratriacontane (C34)

R.T.: 18.699 min
Delta R.T.: -0.007 min
Response: 2070877
Conc: 19.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.437 min
Delta R.T.: -0.008 min
Response: 2032144
Conc: 20.17 ug/ml m



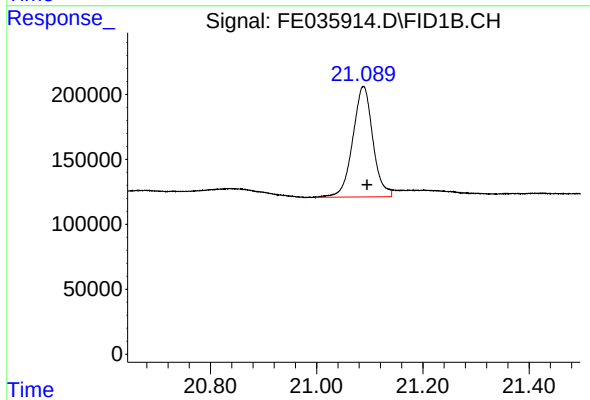
#21 n-Octatriacontane (C38)

R.T.: 20.171 min
Delta R.T.: -0.010 min
Response: 1967233
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.089 min
Delta R.T.: -0.006 min
Response: 2237813
Conc: 23.96 ug/ml m