

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092019AL\
 Data File : FD030786.D
 Signal(s) : FID2B.CH
 Acq On : 20 Sep 2019 8:40
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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 9/23/2019 1:36:59 PM

Integration File: autoint1.e
 Quant Time: Sep 20 22:40:34 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 090319.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 04:22:49 2019
 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)	11.477	2806500	19.295 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
12) S 1-chlorooctadecane (S...	12.905	2088672	19.124 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
Target Compounds			
1) T n-Nonane (C9)	3.296	2671067	21.399 ug/ml
2) T n-Decane (C10)	4.353	2683129	21.445 ug/ml
3) T A~Naphthalene (C11.7)	5.927	2983204	21.274 ug/ml
4) T n-Dodecane (C12)	6.358	2694807	21.300 ug/ml
5) T A~2-methylnaphthalene...	6.977	2998859	21.159 ug/ml
6) T n-Tetradecane (C14)	8.142	2683616	21.087 ug/ml
7) T n-Hexadecane (C16)	9.732	2647725	20.743 ug/ml
8) T n-Octadecane (C18)	11.164	2591140	20.213 ug/ml
10) T n-Eicosane (C20)	12.464	2502093	19.634 ug/ml
11) T n-Heneicosane (C21)	13.071	2476305	19.357 ug/ml
13) T n-Docosane (C22)	13.653	2425904	19.046 ug/ml
14) T n-Tetracosane (C24)	14.747	2349298	18.501 ug/ml
15) T n-Hexacosane (C26)	15.760	2262487	18.189 ug/ml
16) T n-Octacosane (C28)	16.703	2228295	18.276 ug/ml
17) T n-Tricontane (C30)	17.582	2234316	18.793 ug/ml
18) T n-Dotriacontane (C32)	18.407	2205933	19.239 ug/mlm
19) T n-Tetratriacontane (C34)	19.185	2186070	20.136 ug/mlm
20) T n-Hexatriacontane (C36)	19.919	2147468	20.920 ug/mlm
21) T n-Octatriacontane (C38)	20.623	2063009	21.261 ug/mlm
22) T n-Tetracontane (C40)	21.468	2060630	20.096 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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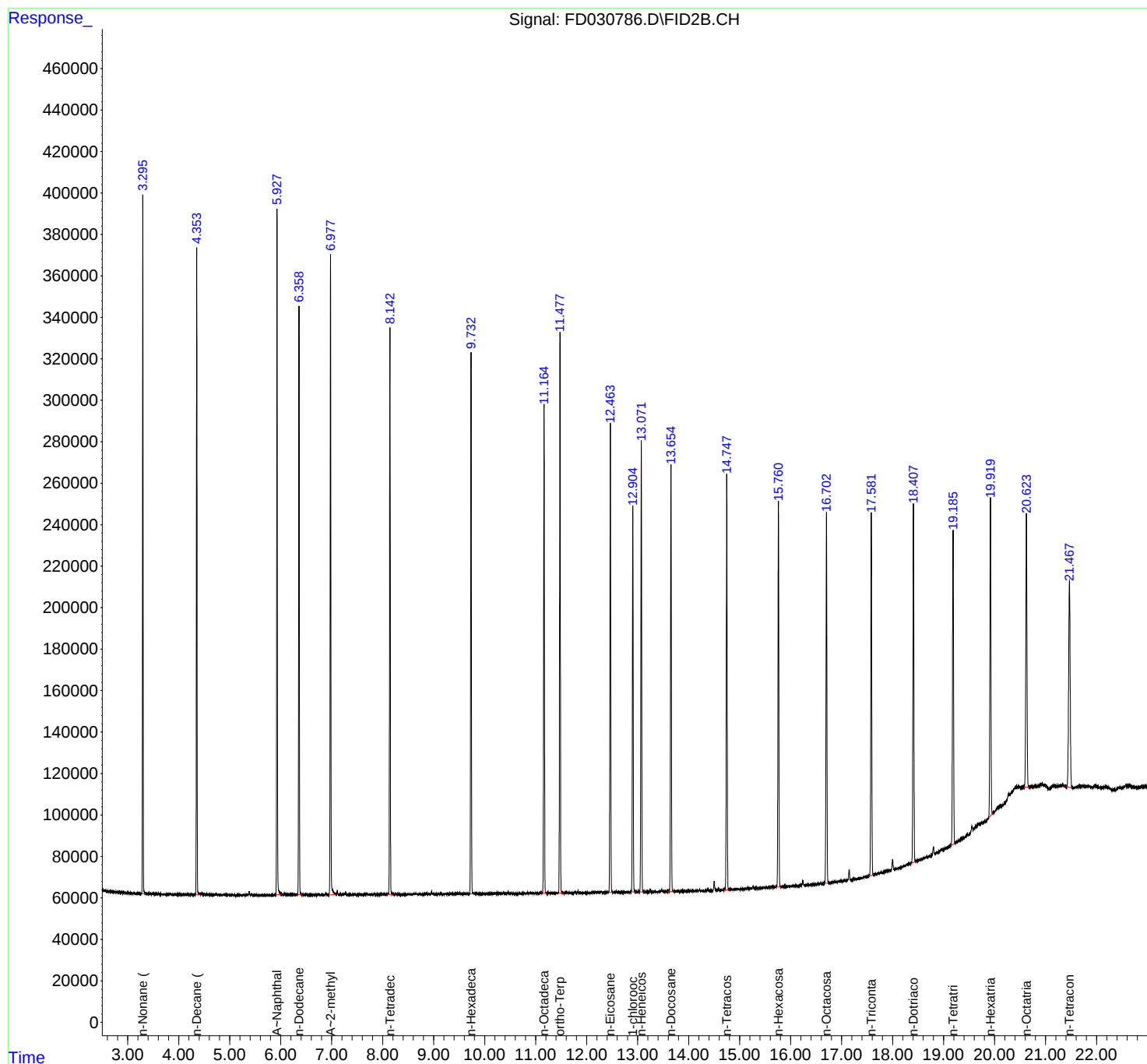
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20 PPM ALIPHATIC HC STD

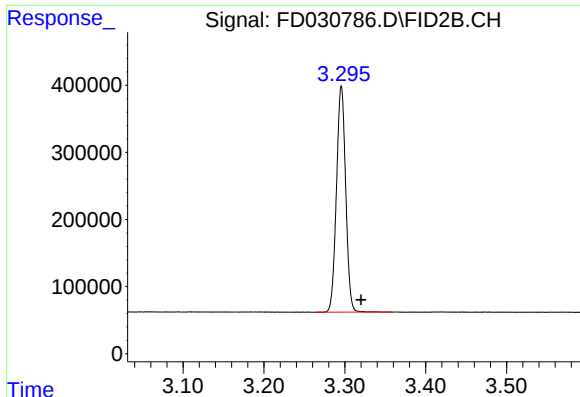
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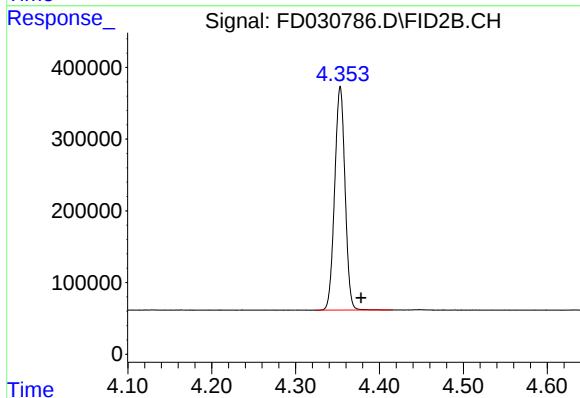
#1 n-Nonane (C9)

R.T.: 3.296 min
Delta R.T.: -0.024 min
Response: 2671067
Conc: 21.40 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

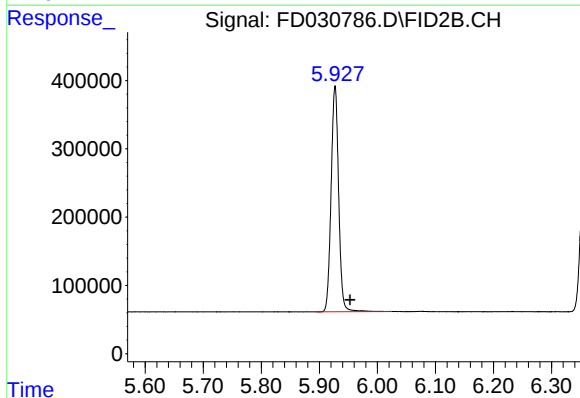
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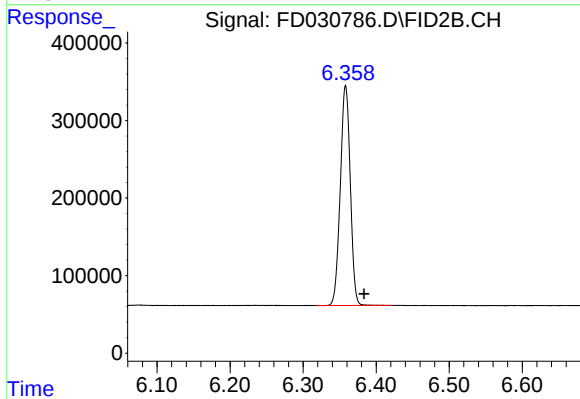
#2 n-Decane (C10)

R.T.: 4.353 min
Delta R.T.: -0.025 min
Response: 2683129
Conc: 21.44 ug/ml



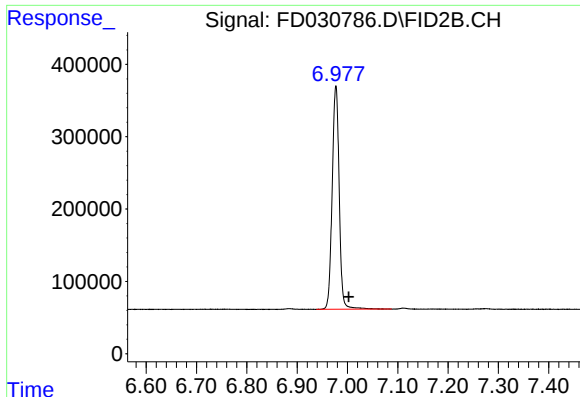
#3 A~Naphthalene (C11.7)

R.T.: 5.927 min
Delta R.T.: -0.026 min
Response: 2983204
Conc: 21.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.358 min
Delta R.T.: -0.025 min
Response: 2694807
Conc: 21.30 ug/ml



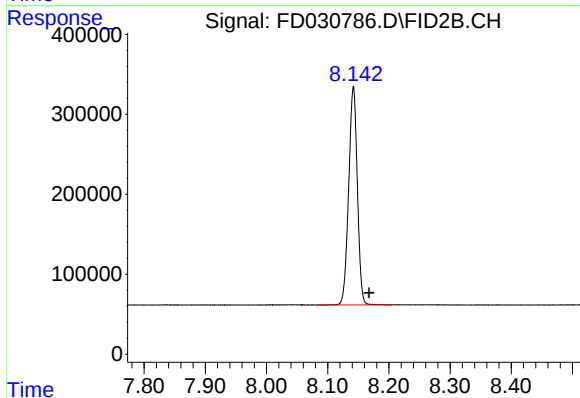
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.977 min
Delta R.T.: -0.025 min
Response: 2998859
Conc: 21.16 ug/ml

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20 PPM ALIPHATIC HC STD

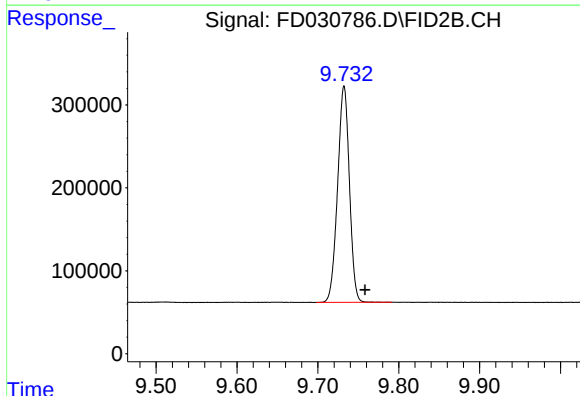
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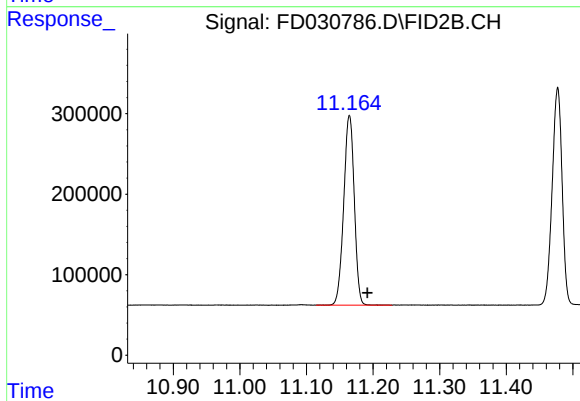
#6 n-Tetradecane (C14)

R.T.: 8.142 min
Delta R.T.: -0.026 min
Response: 2683616
Conc: 21.09 ug/ml



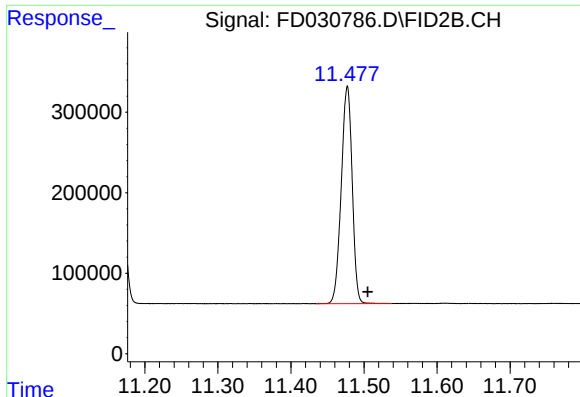
#7 n-Hexadecane (C16)

R.T.: 9.732 min
Delta R.T.: -0.026 min
Response: 2647725
Conc: 20.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.164 min
Delta R.T.: -0.027 min
Response: 2591140
Conc: 20.21 ug/ml



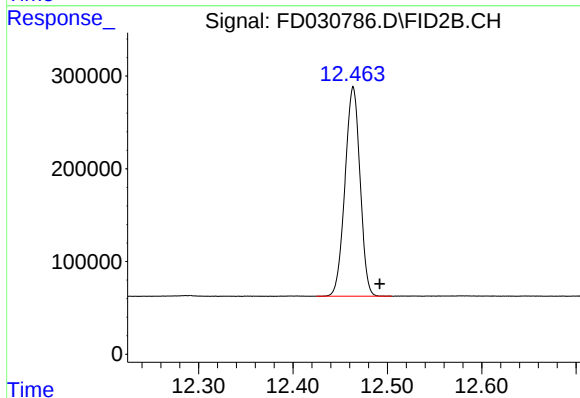
#9 ortho-Terphenyl (SURR)

R.T.: 11.477 min
Delta R.T.: -0.028 min
Response: 2806500
Conc: 19.29 ug/ml

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20 PPM ALIPHATIC HC STD

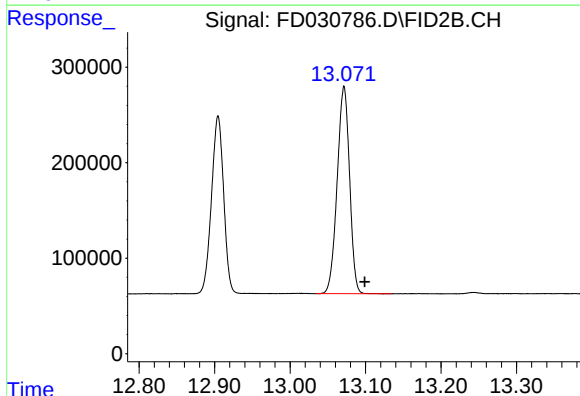
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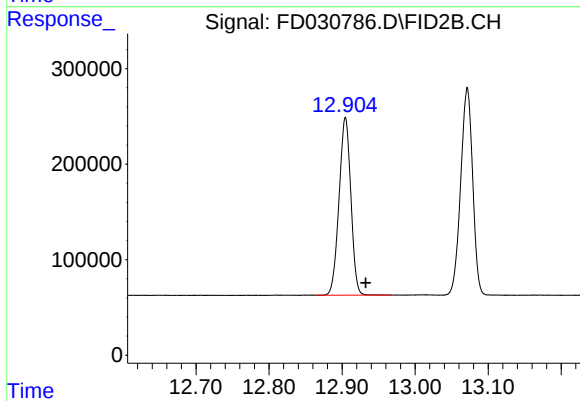
#10 n-Eicosane (C20)

R.T.: 12.464 min
Delta R.T.: -0.028 min
Response: 2502093
Conc: 19.63 ug/ml



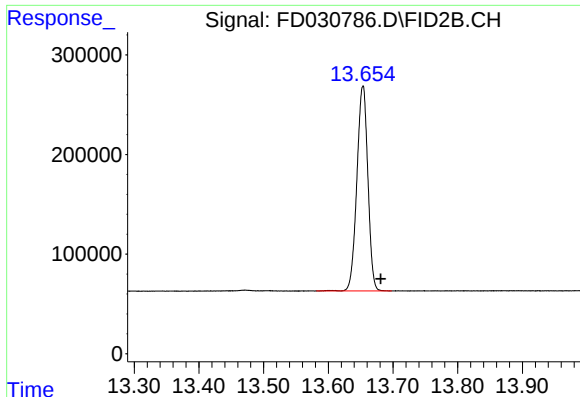
#11 n-Heneicosane (C21)

R.T.: 13.071 min
Delta R.T.: -0.028 min
Response: 2476305
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.905 min
Delta R.T.: -0.028 min
Response: 2088672
Conc: 19.12 ug/ml



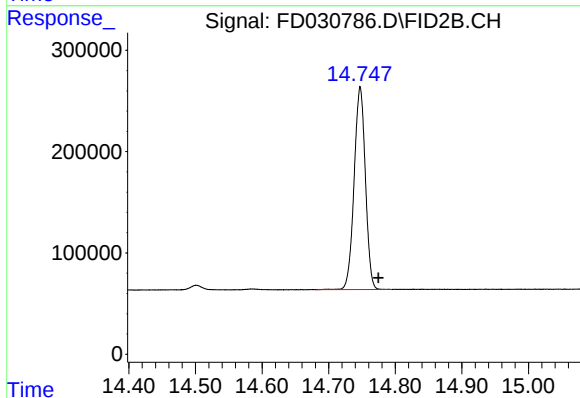
#13 n-Docosane (C22)

R.T.: 13.653 min
Delta R.T.: -0.028 min
Response: 2425904
Conc: 19.05 ug/ml

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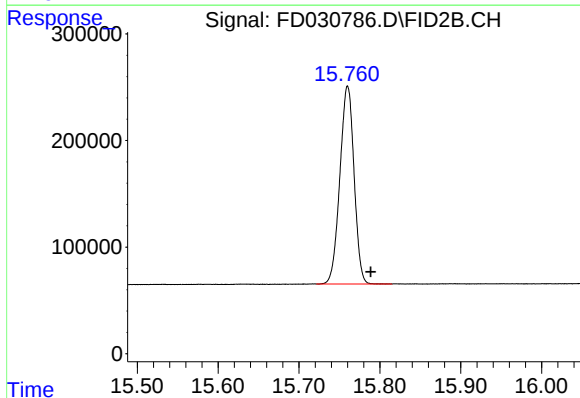
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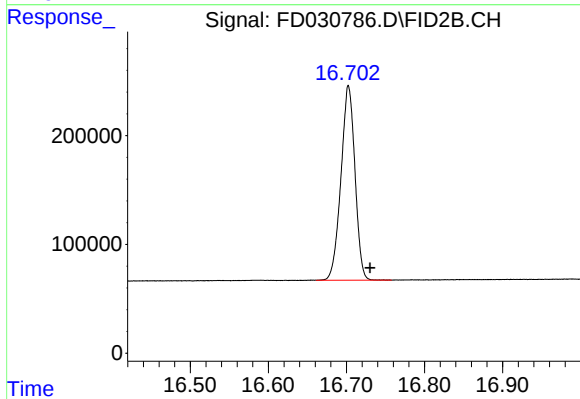
#14 n-Tetracosane (C24)

R.T.: 14.747 min
Delta R.T.: -0.028 min
Response: 2349298
Conc: 18.50 ug/ml



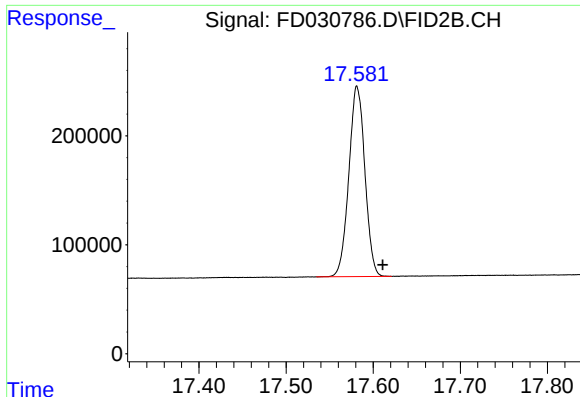
#15 n-Hexacosane (C26)

R.T.: 15.760 min
Delta R.T.: -0.029 min
Response: 2262487
Conc: 18.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.703 min
Delta R.T.: -0.028 min
Response: 2228295
Conc: 18.28 ug/ml



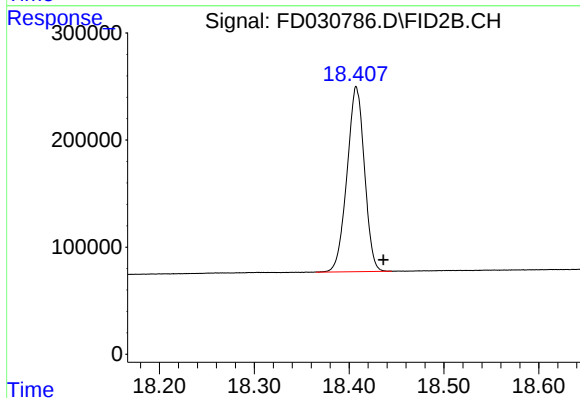
#17 n-Tricontane (C30)

R.T.: 17.582 min
Delta R.T.: -0.029 min
Response: 2234316
Conc: 18.79 ug/ml

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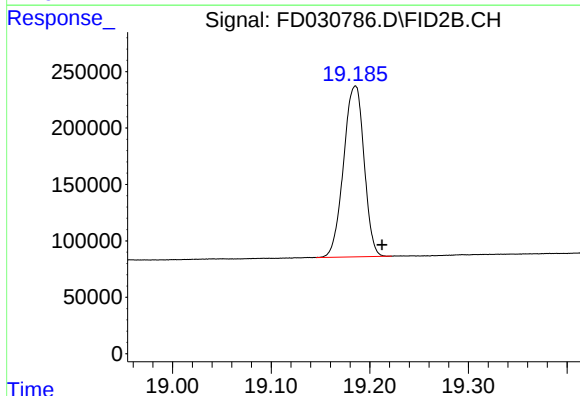
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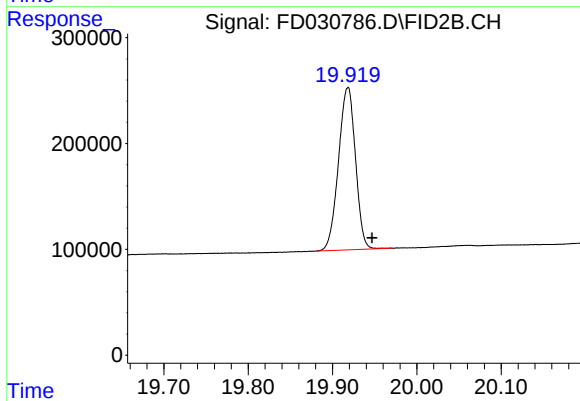
#18 n-Dotriacontane (C32)

R.T.: 18.407 min
Delta R.T.: -0.029 min
Response: 2205933
Conc: 19.24 ug/ml m



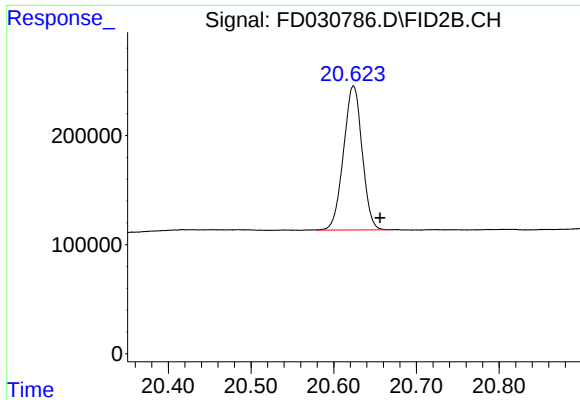
#19 n-Tetratriacontane (C34)

R.T.: 19.185 min
Delta R.T.: -0.027 min
Response: 2186070
Conc: 20.14 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.919 min
Delta R.T.: -0.028 min
Response: 2147468
Conc: 20.92 ug/ml m



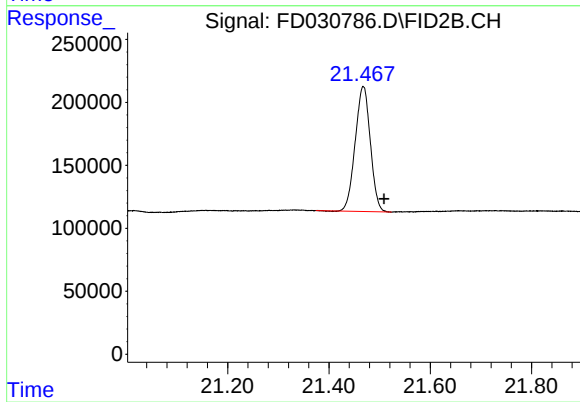
#21 n-Octatriacontane (C38)

R.T.: 20.623 min
Delta R.T.: -0.033 min
Response: 2063009
Conc: 21.26 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.468 min
Delta R.T.: -0.041 min
Response: 2060630
Conc: 20.10 ug/ml