

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE030123AL\
 Data File : FE040612.D
 Signal(s) : FID1B.ch
 Acq On : 01 Mar 2023 01:43
 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 03/01/2023
 Supervised By :Ankita Jodhani 03/01/2023

Integration File: autoint1.e
 Quant Time: Mar 01 02:57:55 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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)	11.885	3554908	19.029 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	13.323	2755431	18.617 ug/ml
Spiked Amount 50.000		Recovery =	37.23%
Target Compounds			
1) T n-Nonane (C9)	3.281	3093025	20.101 ug/ml
2) T n-Decane (C10)	4.528	3053067	20.293 ug/ml
3) T A~Naphthalene (C11.7)	6.230	3401787	20.509 ug/ml
4) T n-Dodecane (C12)	6.692	3113462	20.338 ug/ml
5) T A~2-methylnaphthalene...	7.325	3192295	21.093 ug/ml
6) T n-Tetradecane (C14)	8.519	3149353	20.377 ug/ml
7) T n-Hexadecane (C16)	10.126	3249430	20.118 ug/ml
8) T n-Octadecane (C18)	11.569	3308280	19.484 ug/ml
10) T n-Eicosane (C20)	12.879	3210921	18.981 ug/ml
11) T n-Heneicosane (C21)	13.491	3204355	18.700 ug/ml
13) T n-Docosane (C22)	14.077	3151350	18.395 ug/ml
14) T n-Tetracosane (C24)	15.181	3063113	17.768 ug/ml
15) T n-Hexacosane (C26)	16.203	2898962	17.057 ug/ml
16) T n-Octacosane (C28)	17.155	2829354	16.871 ug/mlm
17) T n-Tricontane (C30)	18.044	2800552	17.151 ug/mlm
18) T n-Dotriacontane (C32)	18.876	2835264	16.566 ug/mlm
19) T n-Tetratriacontane (C34)	19.661	2690694	17.403 ug/ml
20) T n-Hexatriacontane (C36)	20.403	2714148	18.682 ug/ml
21) T n-Octatriacontane (C38)	21.134	2643574	19.232 ug/ml
22) T n-Tetracontane (C40)	22.028	3061719	19.814 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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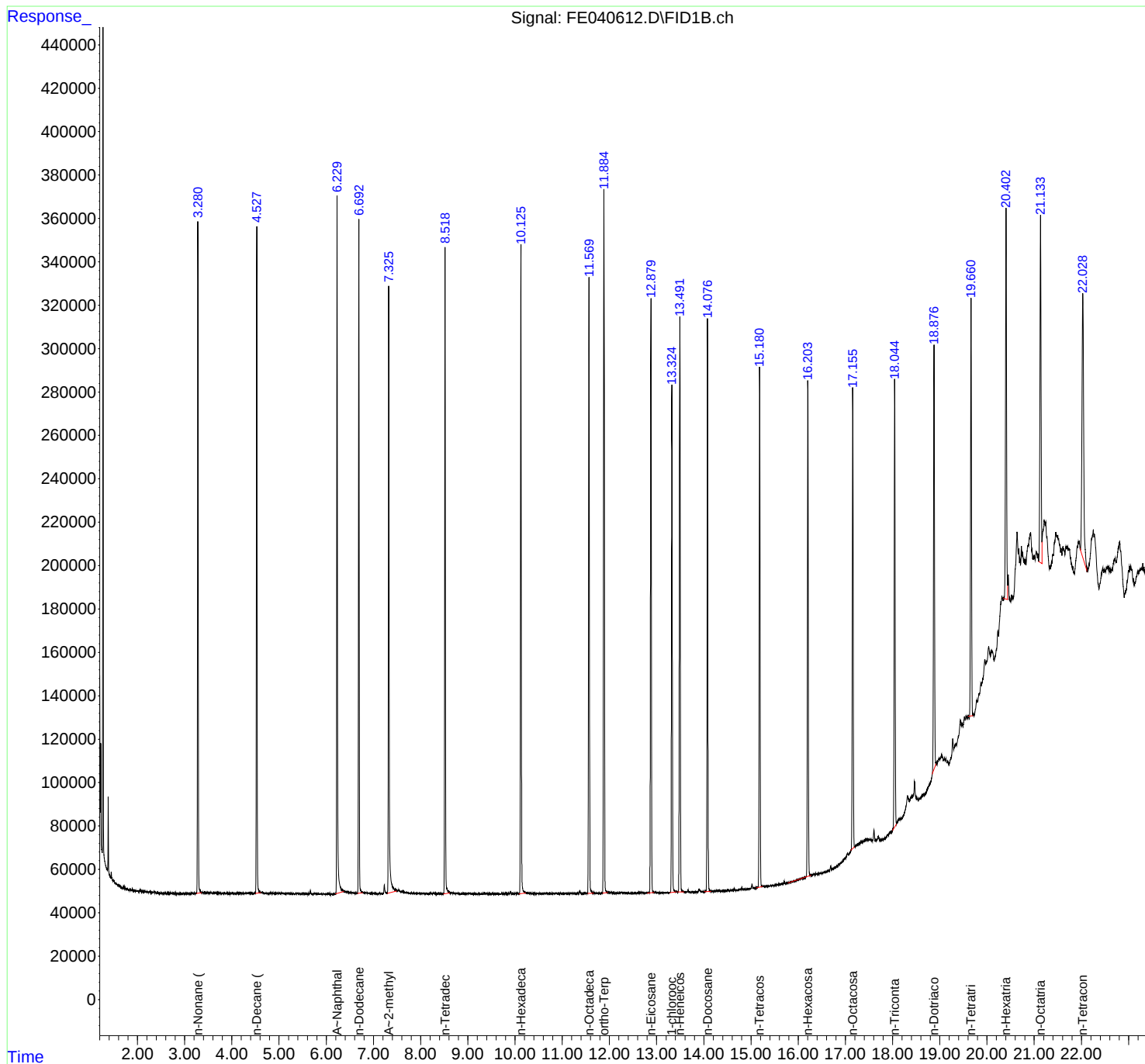
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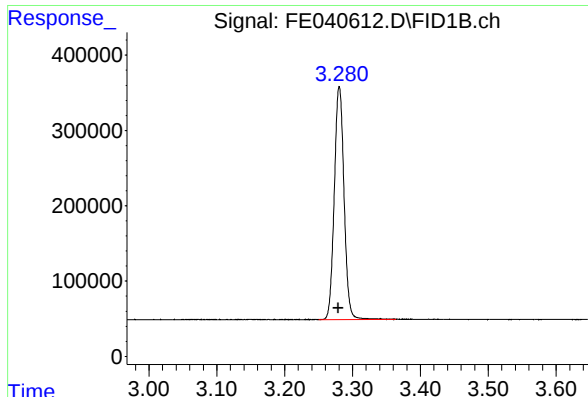
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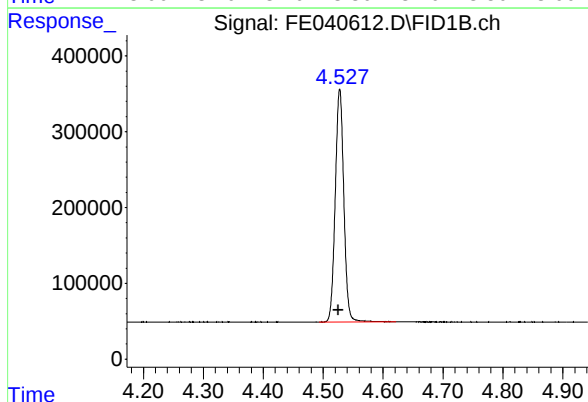
#1 n-Nonane (C9)

R.T.: 3.281 min
Delta R.T.: 0.002 min
Response: 3093025
Conc: 20.10 ug/ml

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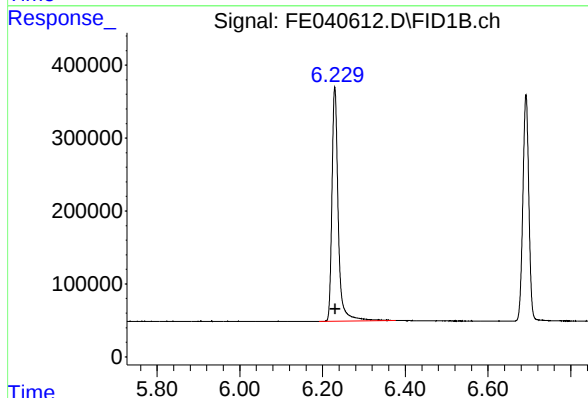
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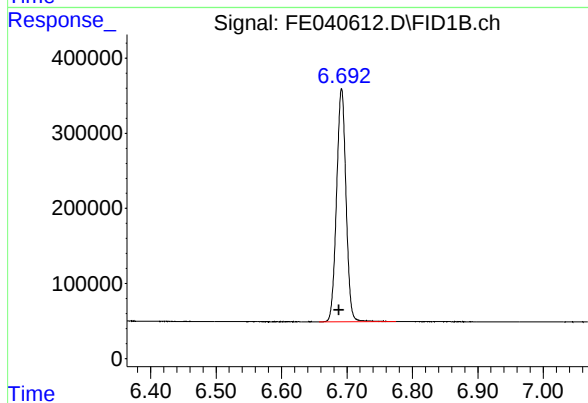
#2 n-Decane (C10)

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 3053067
Conc: 20.29 ug/ml



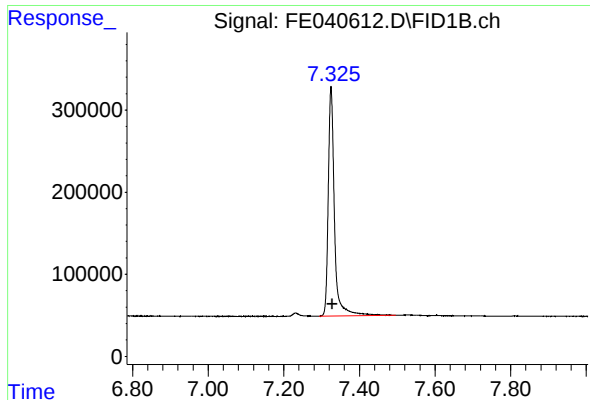
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.002 min
Response: 3401787
Conc: 20.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.692 min
Delta R.T.: 0.004 min
Response: 3113462
Conc: 20.34 ug/ml



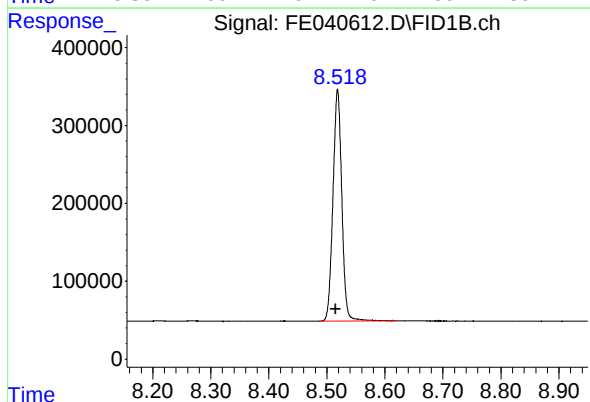
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.325 min
Delta R.T.: -0.003 min
Response: 3192295
Conc: 21.09 ug/ml

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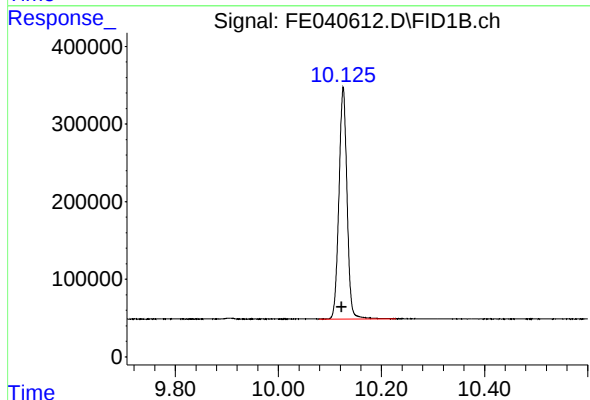
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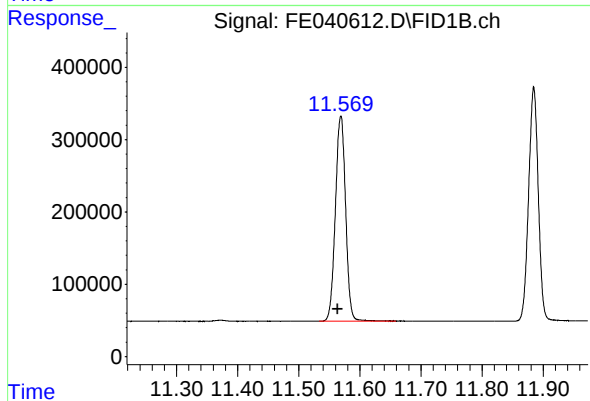
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: 0.003 min
Response: 3149353
Conc: 20.38 ug/ml



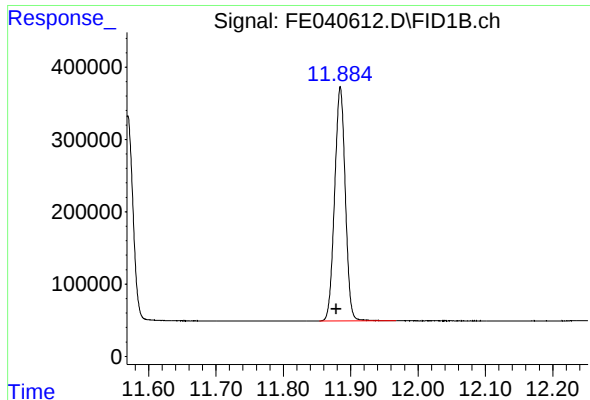
#7 n-Hexadecane (C16)

R.T.: 10.126 min
Delta R.T.: 0.003 min
Response: 3249430
Conc: 20.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.569 min
Delta R.T.: 0.006 min
Response: 3308280
Conc: 19.48 ug/ml



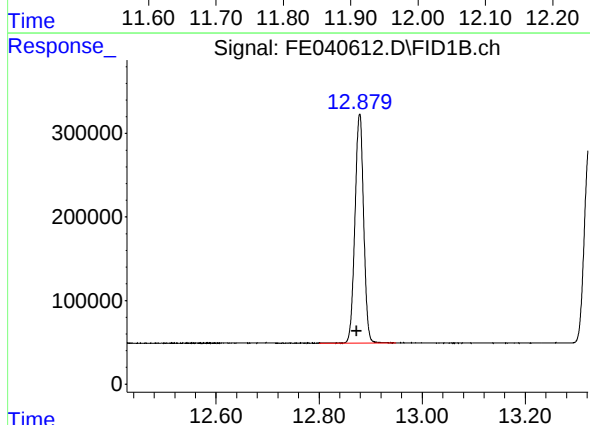
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: 0.006 min
Response: 3554908
Conc: 19.03 ug/ml

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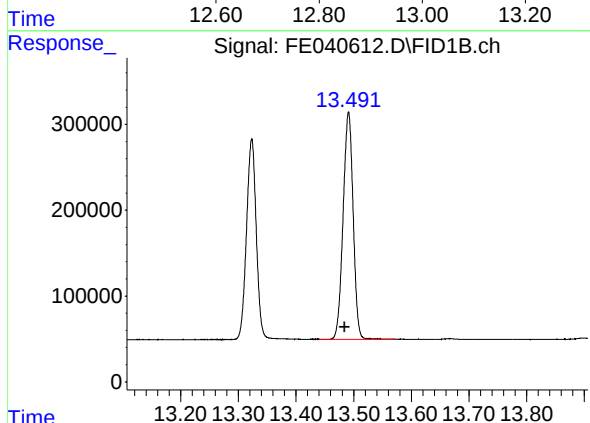
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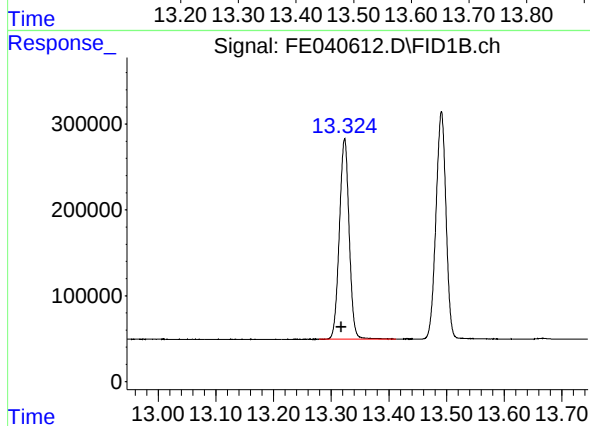
#10 n-Eicosane (C20)

R.T.: 12.879 min
Delta R.T.: 0.006 min
Response: 3210921
Conc: 18.98 ug/ml



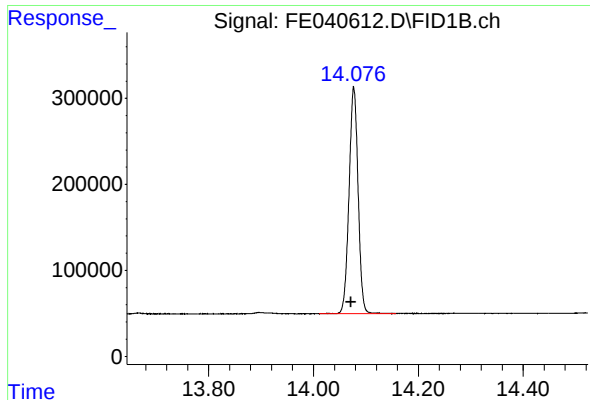
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: 0.007 min
Response: 3204355
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: 0.005 min
Response: 2755431
Conc: 18.62 ug/ml



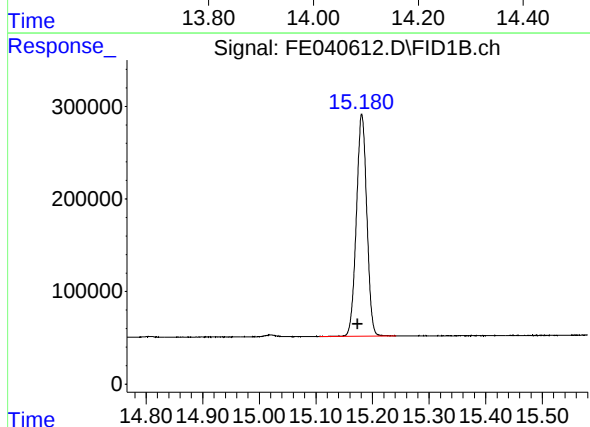
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: 0.005 min
Response: 3151350
Conc: 18.40 ug/ml

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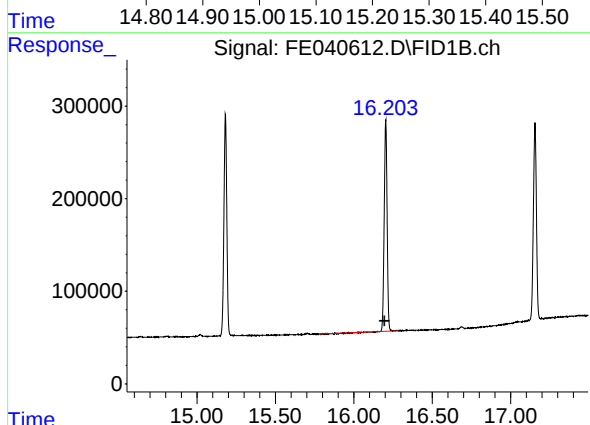
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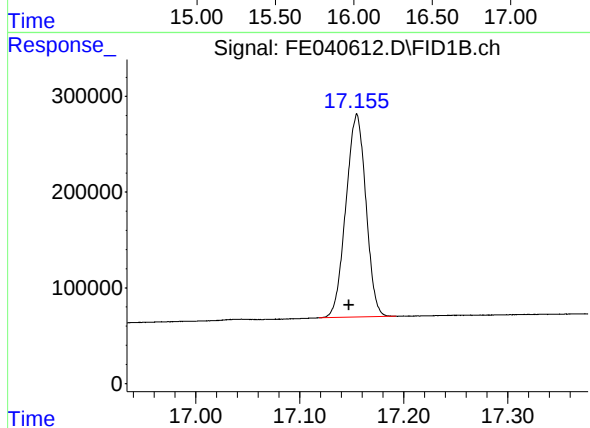
#14 n-Tetracosane (C24)

R.T.: 15.181 min
Delta R.T.: 0.007 min
Response: 3063113
Conc: 17.77 ug/ml



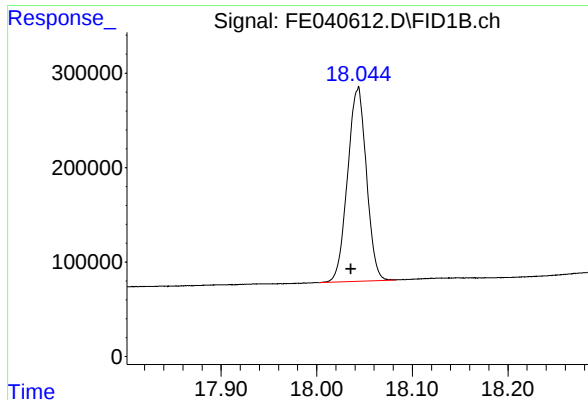
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: 0.006 min
Response: 2898962
Conc: 17.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: 0.007 min
Response: 2829354
Conc: 16.87 ug/ml m



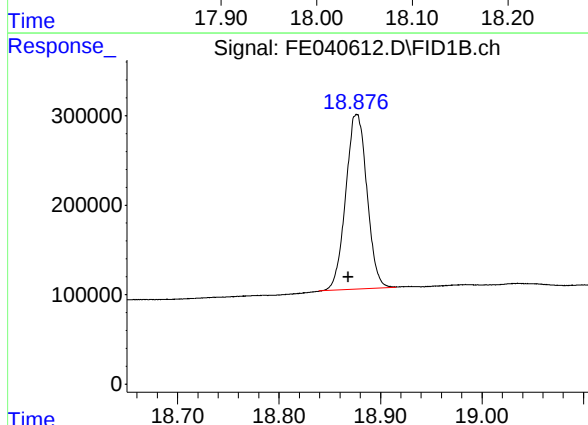
#17 n-Tricontane (C30)

R.T.: 18.044 min
Delta R.T.: 0.008 min
Response: 2800552
Conc: 17.15 ug/ml

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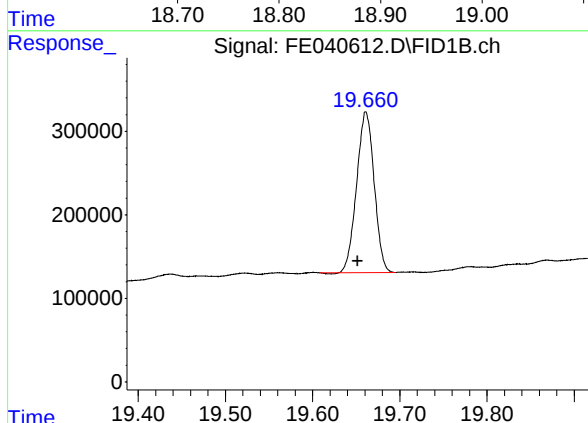
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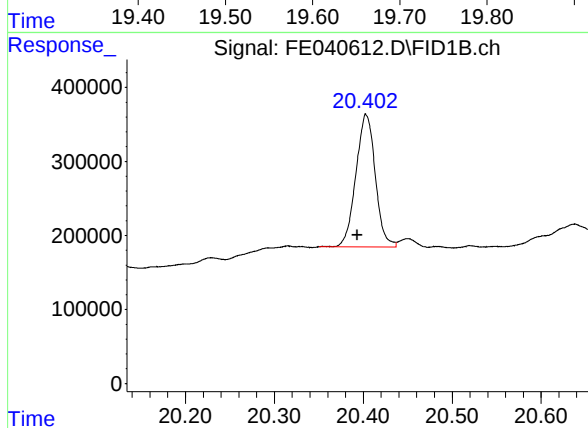
#18 n-Dotriacontane (C32)

R.T.: 18.876 min
Delta R.T.: 0.008 min
Response: 2835264
Conc: 16.57 ug/ml



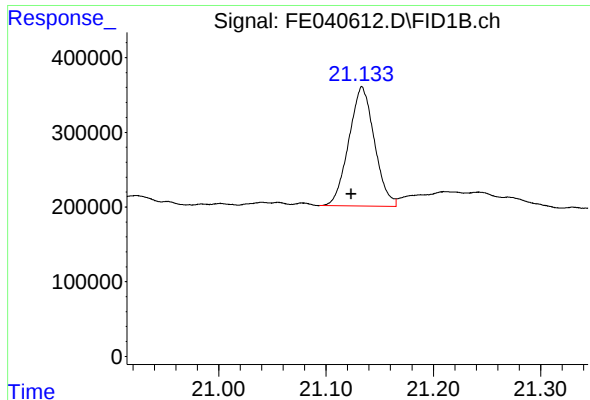
#19 n-Tetratriacontane (C34)

R.T.: 19.661 min
Delta R.T.: 0.009 min
Response: 2690694
Conc: 17.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.403 min
Delta R.T.: 0.010 min
Response: 2714148
Conc: 18.68 ug/ml



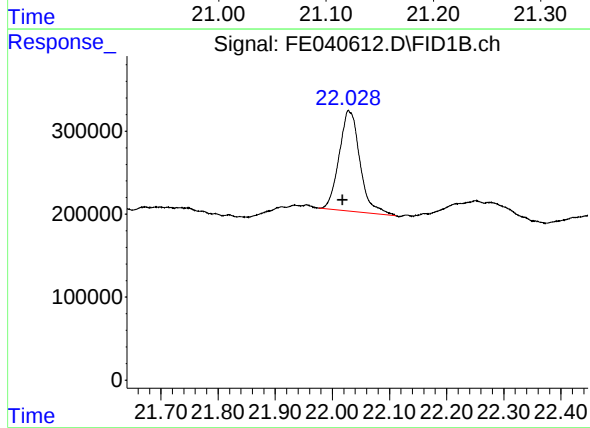
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: 0.010 min
Response: 2643574
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.028 min
Delta R.T.: 0.009 min
Response: 3061719
Conc: 19.81 ug/ml m