

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE030323AL\
 Data File : FE040628.D
 Signal(s) : FID1B.ch
 Acq On : 02 Mar 2023 12:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Ankita Jodhani 03/03/2023

Integration File: autoint1.e
 Quant Time: Mar 03 00:30:24 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	3675302	19.674 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	13.325	2847269	19.238 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
Target Compounds			
1) T n-Nonane (C9)	3.276	3182847	20.685 ug/ml
2) T n-Decane (C10)	4.524	3142839	20.890 ug/ml
3) T A~Naphthalene (C11.7)	6.228	3504954	21.131 ug/ml
4) T n-Dodecane (C12)	6.691	3199327	20.899 ug/ml
5) T A~2-methylnaphthalene...	7.324	3268233	21.595 ug/ml
6) T n-Tetradecane (C14)	8.518	3234862	20.930 ug/ml
7) T n-Hexadecane (C16)	10.125	3354347	20.767 ug/ml
8) T n-Octadecane (C18)	11.569	3417178	20.125 ug/ml
10) T n-Eicosane (C20)	12.879	3327879	19.672 ug/ml
11) T n-Heneicosane (C21)	13.492	3323900	19.397 ug/ml
13) T n-Docosane (C22)	14.080	3266174	19.066 ug/ml
14) T n-Tetracosane (C24)	15.183	3193346	18.524 ug/ml
15) T n-Hexacosane (C26)	16.205	3067443	18.048 ug/ml
16) T n-Octacosane (C28)	17.157	2976613	17.749 ug/ml
17) T n-Tricontane (C30)	18.045	2919531	17.880 ug/ml
18) T n-Dotriacontane (C32)	18.879	2921355	17.069 ug/ml
19) T n-Tetratriacontane (C34)	19.664	2806963	18.155 ug/ml
20) T n-Hexatriacontane (C36)	20.406	2745447	18.898 ug/ml
21) T n-Octatriacontane (C38)	21.137	2616092	19.032 ug/ml
22) T n-Tetracontane (C40)	22.035	2787323	18.038 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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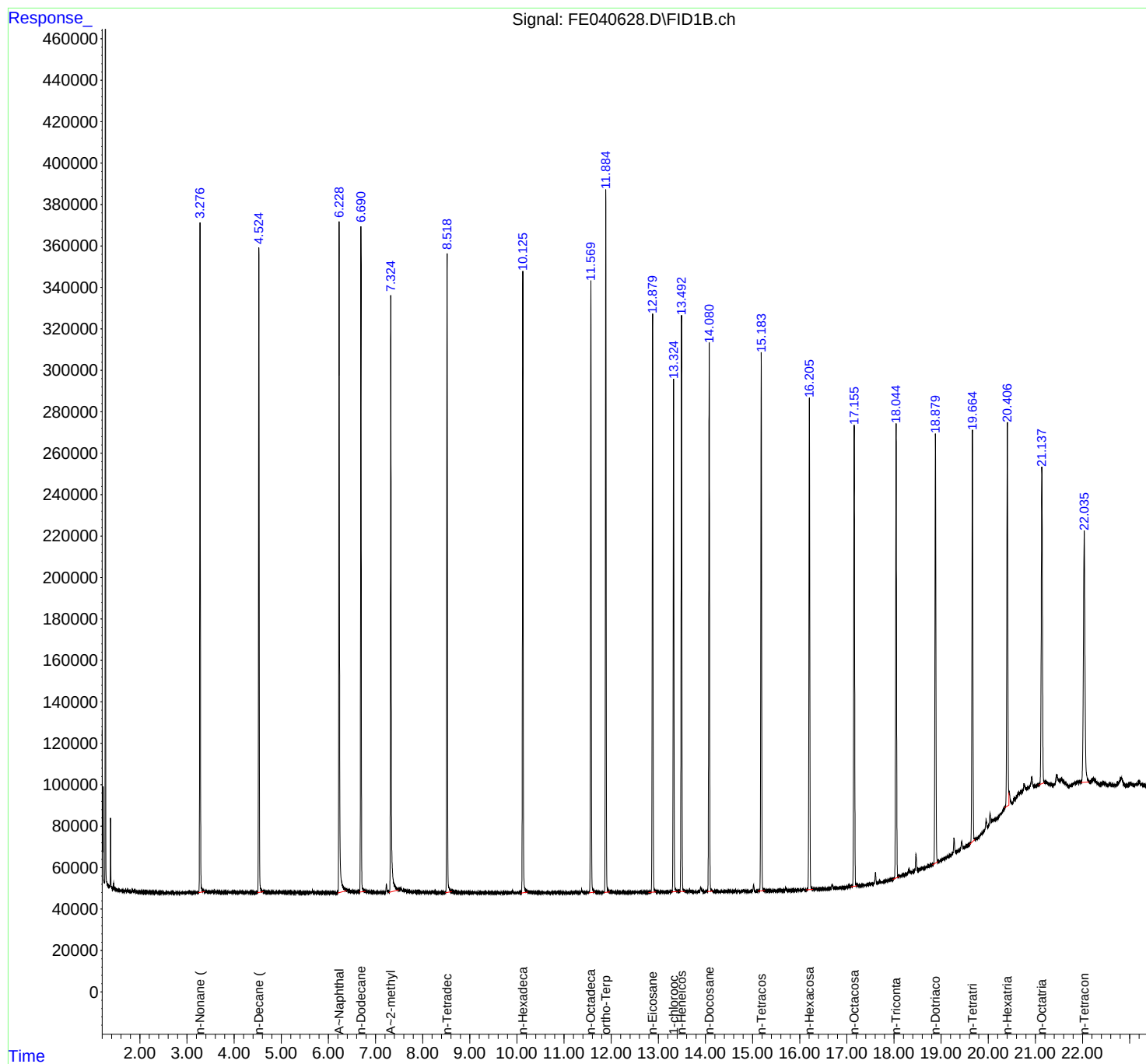
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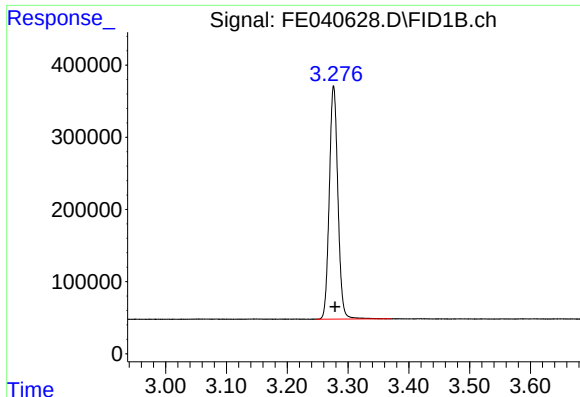
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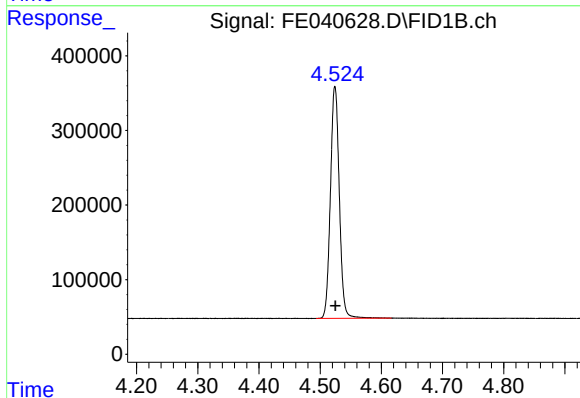
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: -0.003 min
Response: 3182847
Conc: 20.68 ug/ml

Instrument : FID_E
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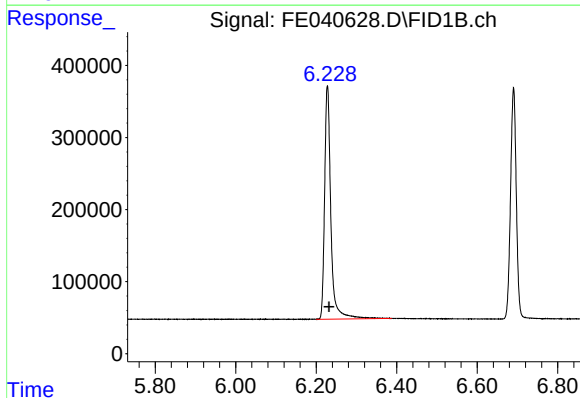
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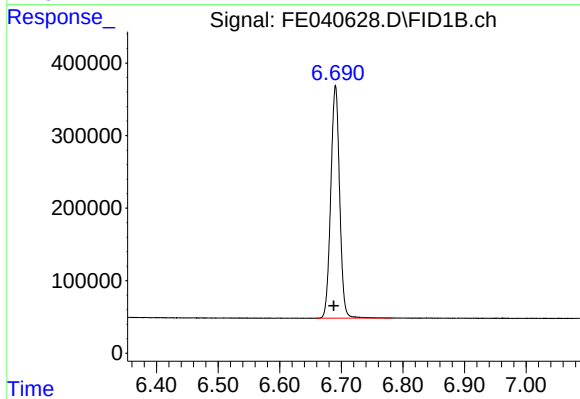
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 3142839
Conc: 20.89 ug/ml



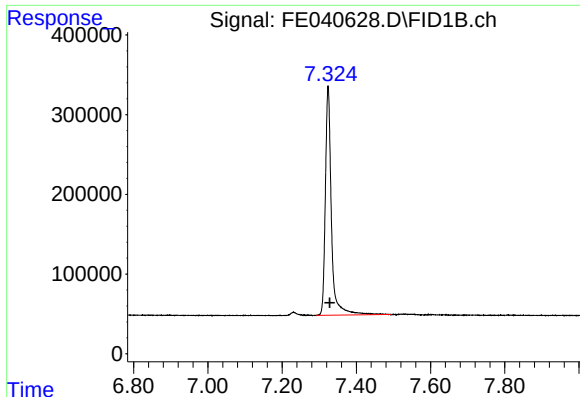
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.003 min
Response: 3504954
Conc: 21.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: 0.003 min
Response: 3199327
Conc: 20.90 ug/ml



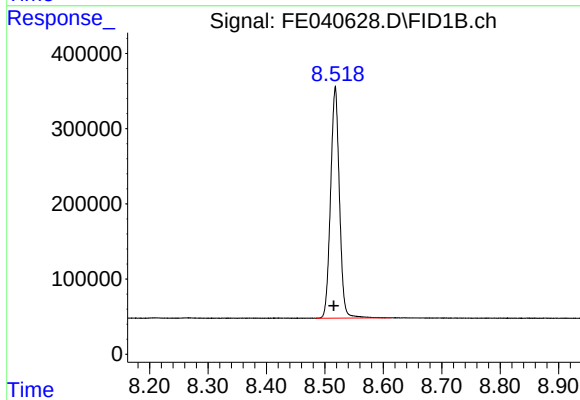
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.324 min
Delta R.T.: -0.004 min
Response: 3268233
Conc: 21.59 ug/ml

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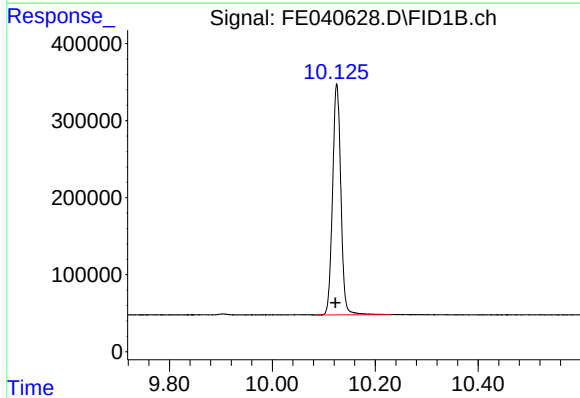
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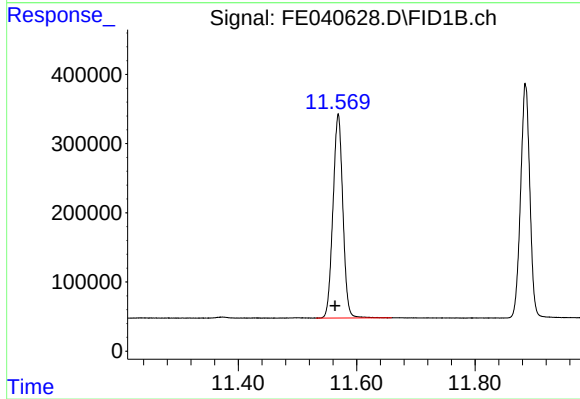
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.003 min
Response: 3234862
Conc: 20.93 ug/ml



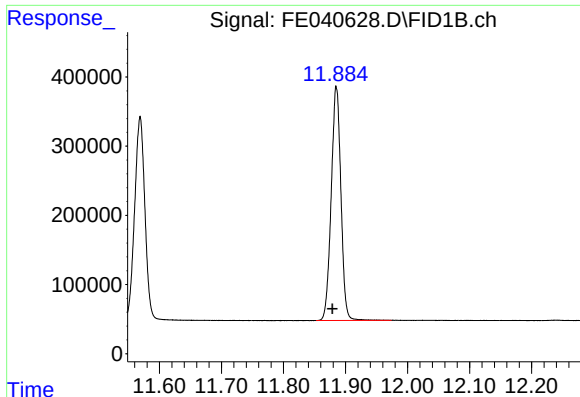
#7 n-Hexadecane (C16)

R.T.: 10.125 min
Delta R.T.: 0.003 min
Response: 3354347
Conc: 20.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.569 min
Delta R.T.: 0.006 min
Response: 3417178
Conc: 20.13 ug/ml



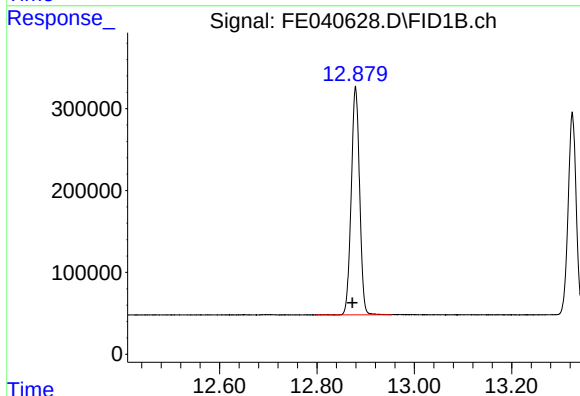
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: 0.007 min
Response: 3675302
Conc: 19.67 ug/ml

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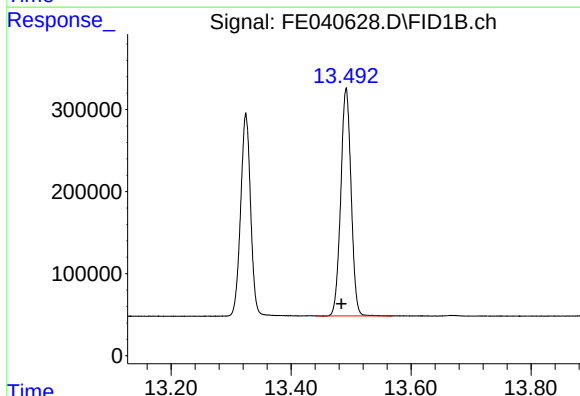
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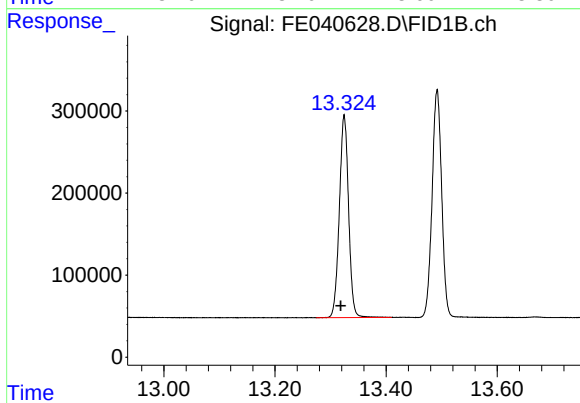
#10 n-Eicosane (C20)

R.T.: 12.879 min
Delta R.T.: 0.006 min
Response: 3327879
Conc: 19.67 ug/ml



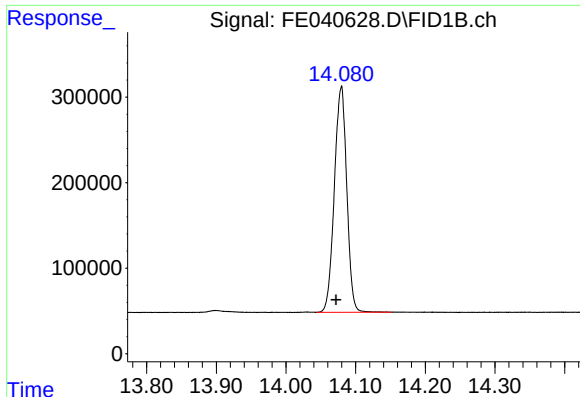
#11 n-Heneicosane (C21)

R.T.: 13.492 min
Delta R.T.: 0.008 min
Response: 3323900
Conc: 19.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.325 min
Delta R.T.: 0.006 min
Response: 2847269
Conc: 19.24 ug/ml



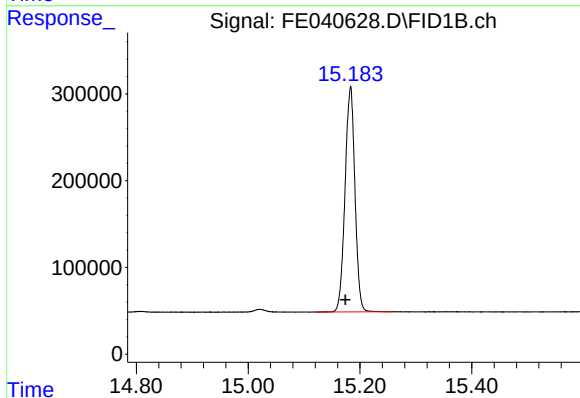
#13 n-Docosane (C22)

R.T.: 14.080 min
Delta R.T.: 0.008 min
Response: 3266174
Conc: 19.07 ug/ml

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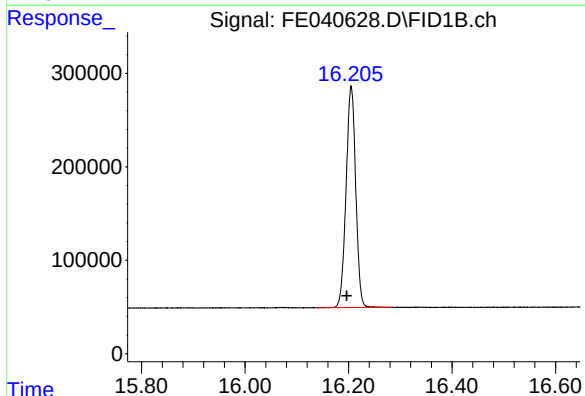
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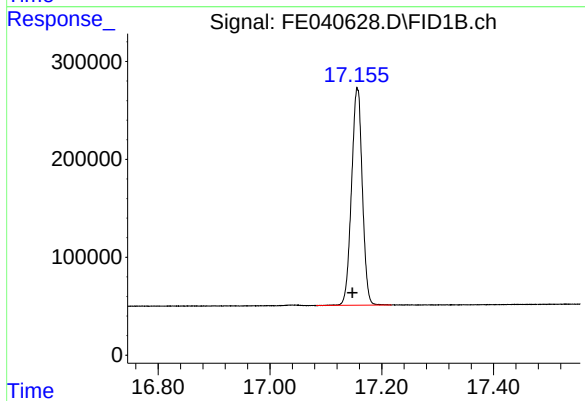
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: 0.009 min
Response: 3193346
Conc: 18.52 ug/ml



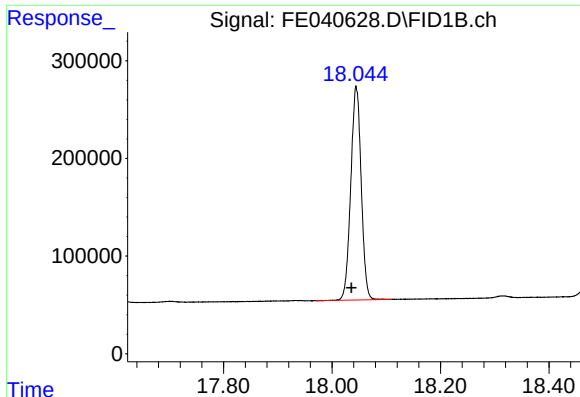
#15 n-Hexacosane (C26)

R.T.: 16.205 min
Delta R.T.: 0.008 min
Response: 3067443
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.157 min
Delta R.T.: 0.009 min
Response: 2976613
Conc: 17.75 ug/ml



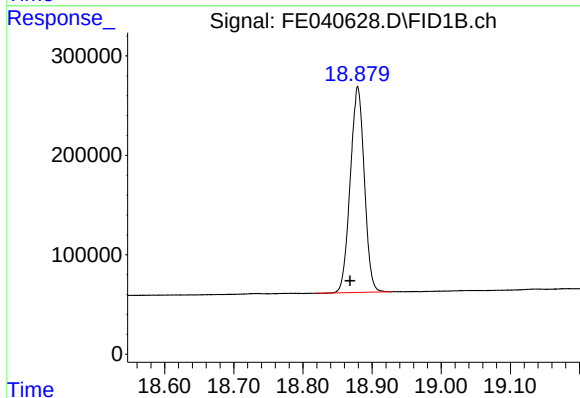
#17 n-Tricontane (C30)

R.T.: 18.045 min
Delta R.T.: 0.009 min
Response: 2919531
Conc: 17.88 ug/ml

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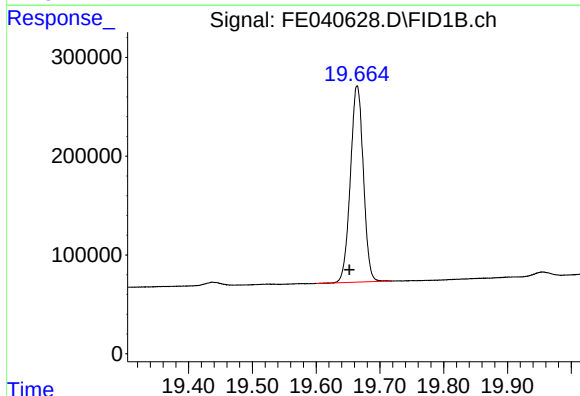
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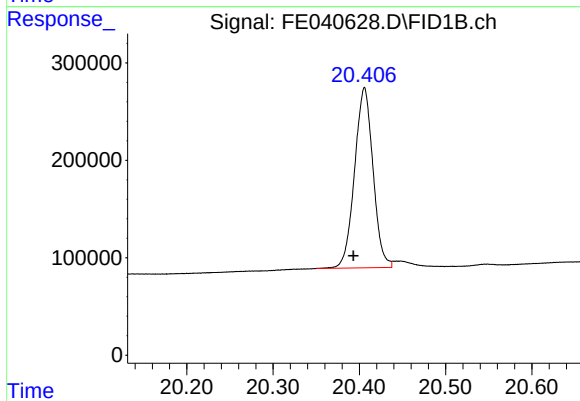
#18 n-Dotriacontane (C32)

R.T.: 18.879 min
Delta R.T.: 0.011 min
Response: 2921355
Conc: 17.07 ug/ml



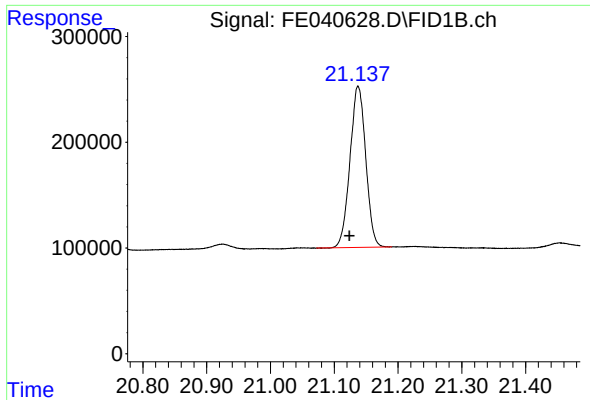
#19 n-Tetratriacontane (C34)

R.T.: 19.664 min
Delta R.T.: 0.012 min
Response: 2806963
Conc: 18.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.406 min
Delta R.T.: 0.013 min
Response: 2745447
Conc: 18.90 ug/ml



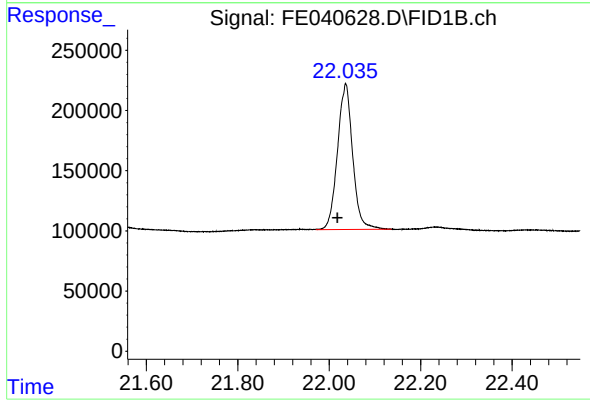
#21 n-Octatriacontane (C38)

R.T.: 21.137 min
Delta R.T.: 0.014 min
Response: 2616092
Conc: 19.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.035 min
Delta R.T.: 0.017 min
Response: 2787323
Conc: 18.04 ug/ml m