

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022125AL\
 Data File : FE052435.D
 Signal(s) : FID1B.ch
 Acq On : 21 Feb 2025 11:35
 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 02/24/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File: autoint1.e
 Quant Time: Feb 21 22:03:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 2025
 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)	11.915	3368561	18.020 ug/ml
Spiked Amount 50.000		Recovery =	36.04%
12) S 1-chlorooctadecane (S...	13.360	2494795	17.949 ug/ml
Spiked Amount 50.000		Recovery =	35.90%
Target Compounds			
1) T n-Nonane (C9)	3.254	3078464	20.055 ug/ml
2) T n-Decane (C10)	4.515	3129156	20.034 ug/ml
3) T A~Naphthalene (C11.7)	6.228	3455449	20.000 ug/ml
4) T n-Dodecane (C12)	6.698	3111234	19.711 ug/ml
5) T A~2-methylnaphthalene...	7.331	3323618	19.789 ug/ml
6) T n-Tetradecane (C14)	8.535	3021213	19.181 ug/ml
7) T n-Hexadecane (C16)	10.150	3071024	18.790 ug/ml
8) T n-Octadecane (C18)	11.599	3061317	18.502 ug/mlm
10) T n-Eicosane (C20)	12.915	2903158	18.211 ug/ml
11) T n-Heneicosane (C21)	13.529	2846367	18.168 ug/ml
13) T n-Docosane (C22)	14.118	2815633	17.992 ug/ml
14) T n-Tetracosane (C24)	15.224	2783817	17.701 ug/ml
15) T n-Hexacosane (C26)	16.248	2724916	17.593 ug/ml
16) T n-Octacosane (C28)	17.200	2664578	17.420 ug/ml
17) T n-Tricontane (C30)	18.090	2681852	17.181 ug/ml
18) T n-Dotriacontane (C32)	18.924	2584372	16.889 ug/ml
19) T n-Tetratriacontane (C34)	19.710	2299434	16.163 ug/ml
20) T n-Hexatriacontane (C36)	20.452	2067448	16.588 ug/mlm
21) T n-Octatriacontane (C38)	21.194	1999204	18.291 ug/ml
22) T n-Tetracontane (C40)	22.115	2024436	20.126 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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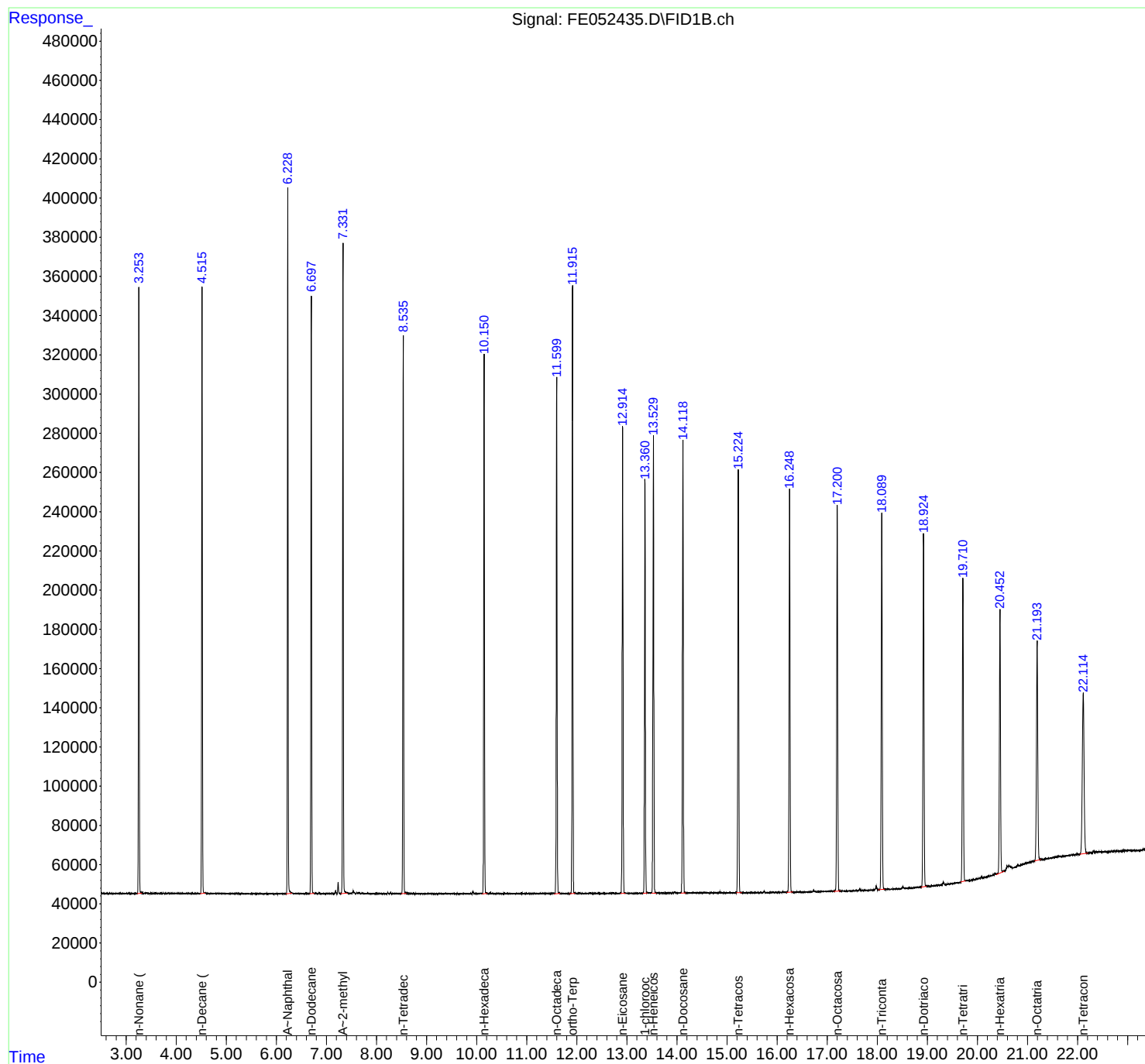
Instrument :
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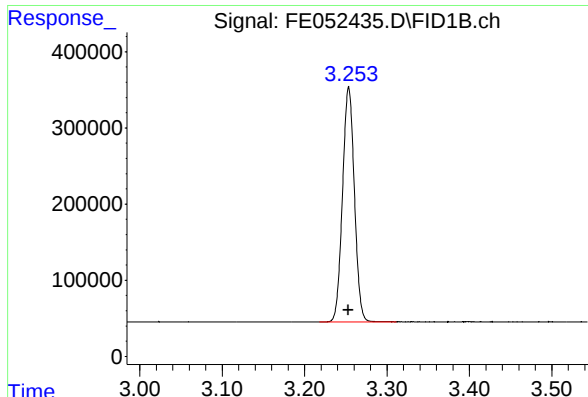
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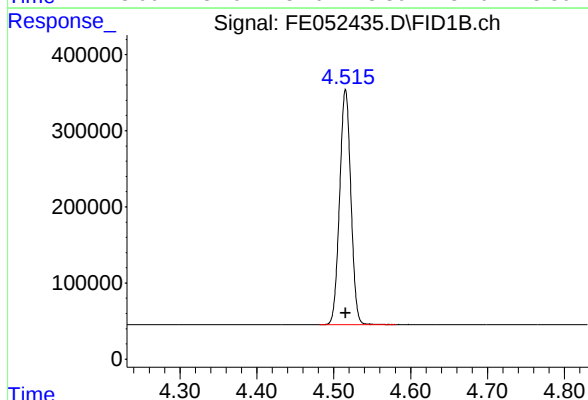
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 3078464
Conc: 20.06 ug/ml

Instrument : FID_E
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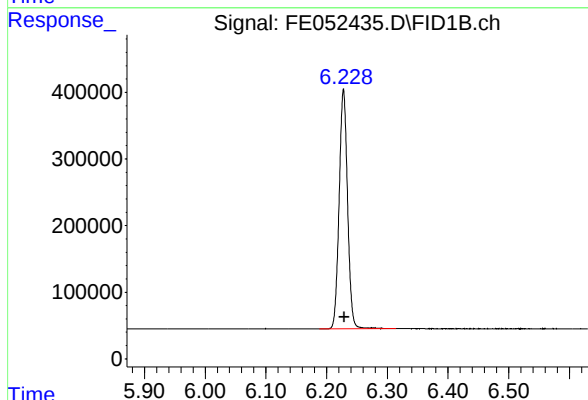
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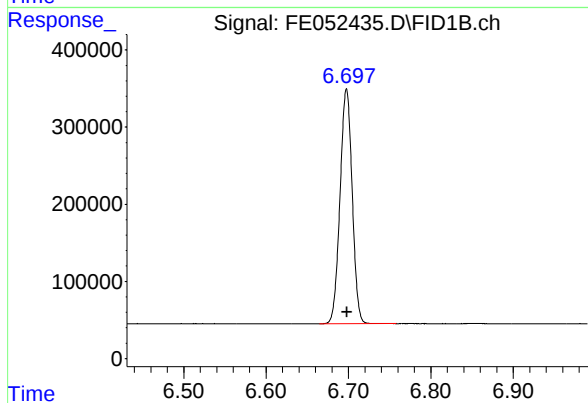
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 3129156
Conc: 20.03 ug/ml



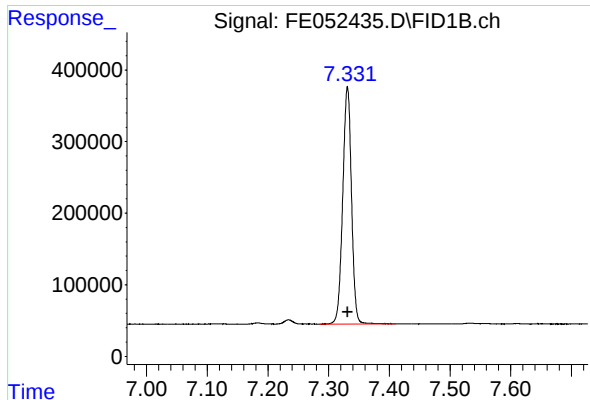
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.001 min
Response: 3455449
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.698 min
Delta R.T.: 0.000 min
Response: 3111234
Conc: 19.71 ug/ml



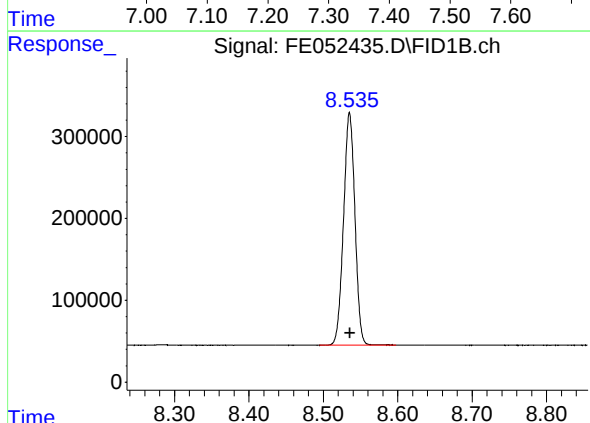
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 3323618
Conc: 19.79 ug/ml

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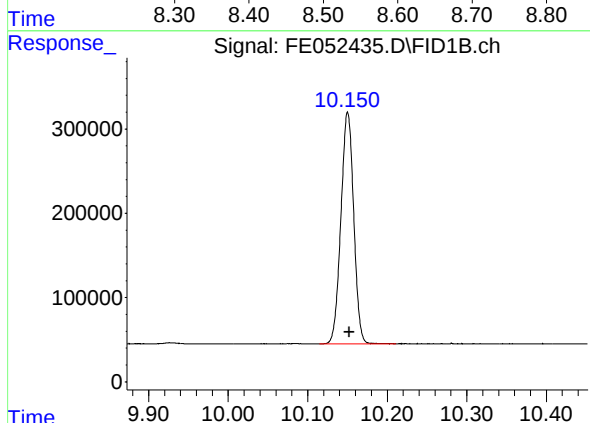
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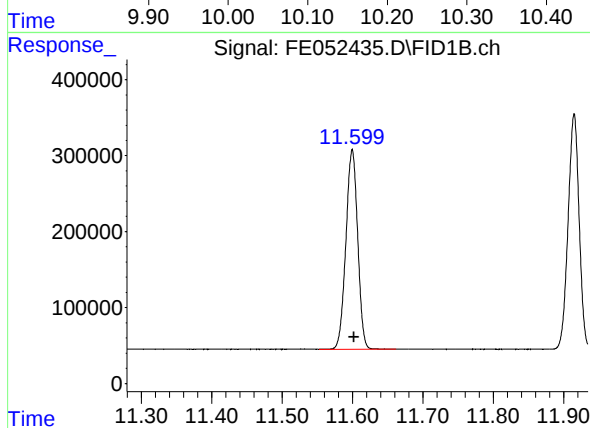
#6 n-Tetradecane (C14)

R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 3021213
Conc: 19.18 ug/ml



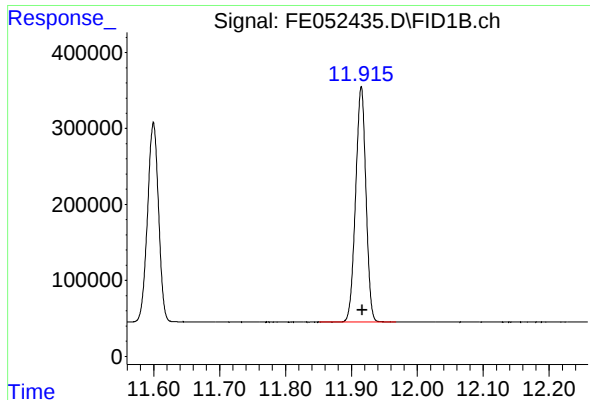
#7 n-Hexadecane (C16)

R.T.: 10.150 min
Delta R.T.: -0.002 min
Response: 3071024
Conc: 18.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: -0.002 min
Response: 3061317
Conc: 18.50 ug/ml m



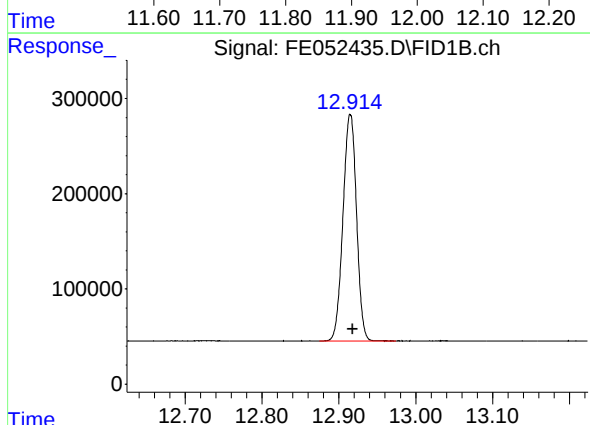
#9 ortho-Terphenyl (SURR)

R.T.: 11.915 min
Delta R.T.: -0.002 min
Response: 3368561
Conc: 18.02 ug/ml

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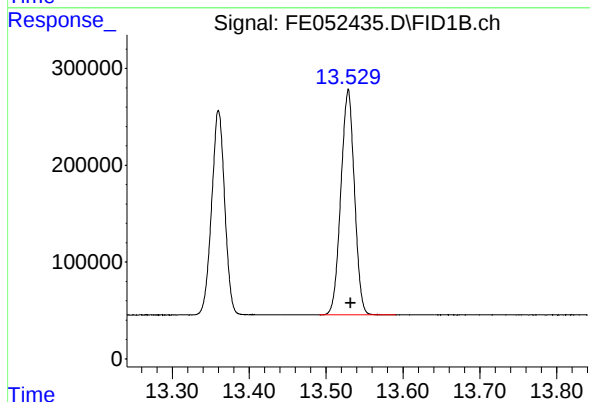
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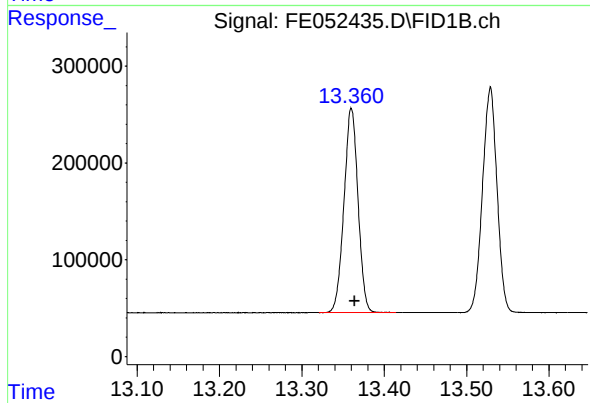
#10 n-Eicosane (C20)

R.T.: 12.915 min
Delta R.T.: -0.003 min
Response: 2903158
Conc: 18.21 ug/ml



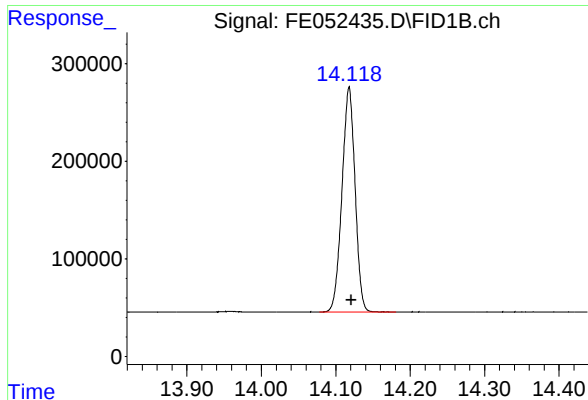
#11 n-Heneicosane (C21)

R.T.: 13.529 min
Delta R.T.: -0.004 min
Response: 2846367
Conc: 18.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.004 min
Response: 2494795
Conc: 17.95 ug/ml



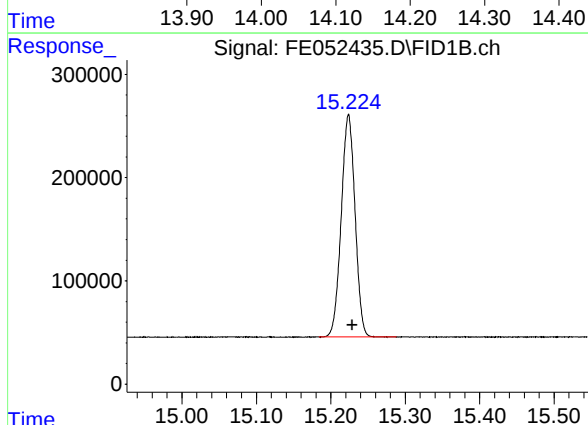
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: -0.003 min
Response: 2815633
Conc: 17.99 ug/ml

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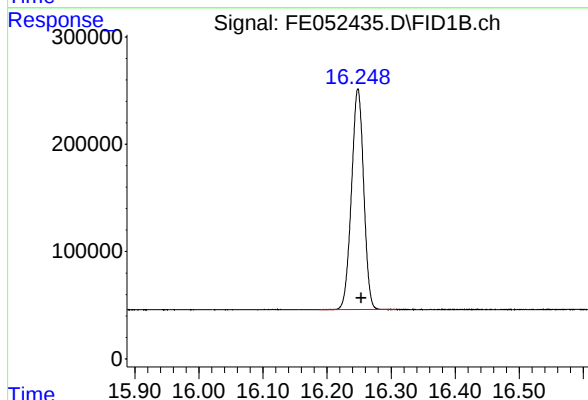
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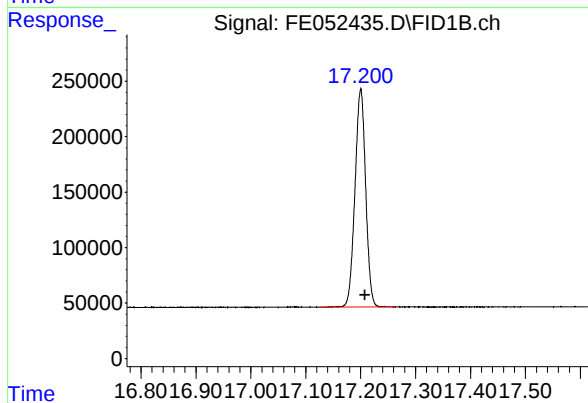
#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: -0.005 min
Response: 2783817
Conc: 17.70 ug/ml



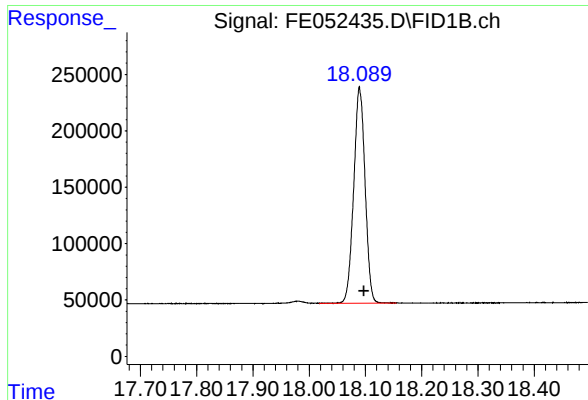
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.005 min
Response: 2724916
Conc: 17.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: -0.008 min
Response: 2664578
Conc: 17.42 ug/ml



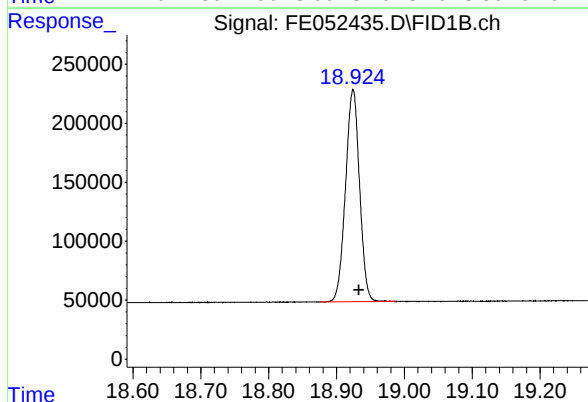
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.008 min
Response: 2681852
Conc: 17.18 ug/ml

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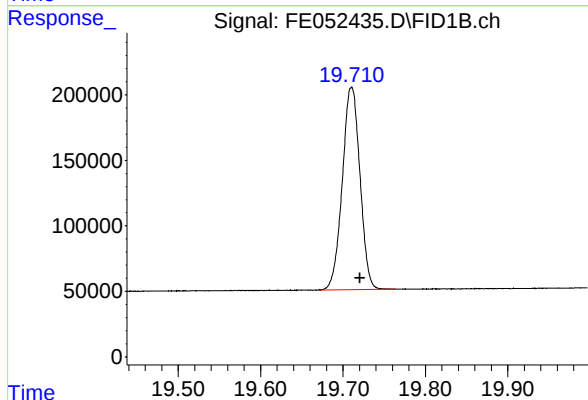
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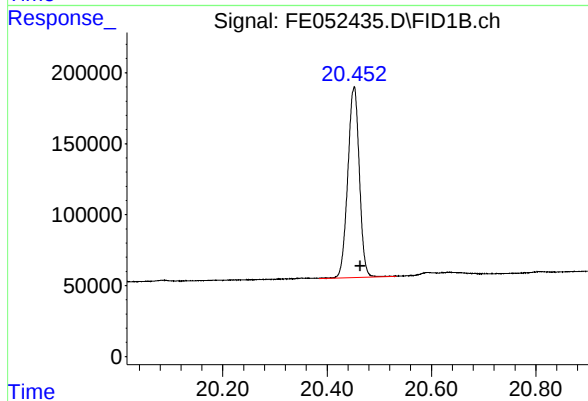
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: -0.009 min
Response: 2584372
Conc: 16.89 ug/ml



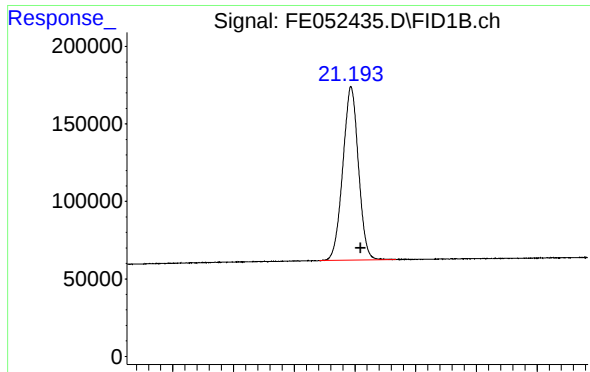
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.010 min
Response: 2299434
Conc: 16.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.012 min
Response: 2067448
Conc: 16.59 ug/ml m



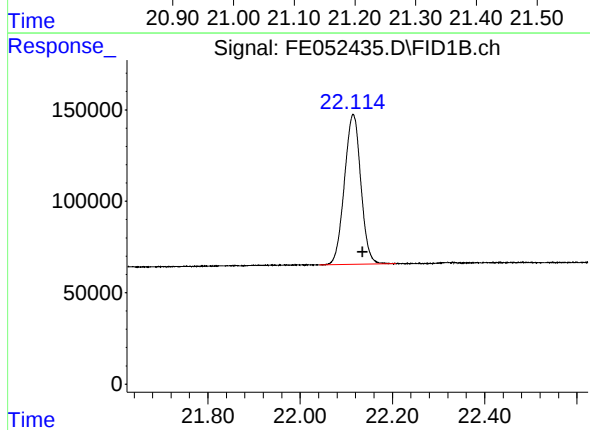
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.016 min
Response: 1999204
Conc: 18.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.020 min
Response: 2024436
Conc: 20.13 ug/ml