

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
 Data File : FE052282.D
 Signal(s) : FID1B.ch
 Acq On : 07 Feb 2025 09:51
 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 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
 Quant Time: Feb 08 02:21:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.312	2522763	20.383 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
12) S 1-chlorooctadecane (S...	13.722	1976745	20.030 ug/mlm
Spiked Amount 50.000		Recovery =	40.06%
Target Compounds			
1) T n-Nonane (C9)	3.779	1856405	19.875 ug/ml
2) T n-Decane (C10)	5.006	1979721	20.615 ug/ml
3) T A~Naphthalene (C11.7)	6.709	2264436	21.188 ug/ml
4) T n-Dodecane (C12)	7.135	2072322	20.908 ug/ml
5) T A~2-methylnaphthalene...	7.790	2233685	21.327 ug/ml
6) T n-Tetradecane (C14)	8.944	2134065	21.148 ug/ml
7) T n-Hexadecane (C16)	10.539	2268611	20.906 ug/ml
8) T n-Octadecane (C18)	11.973	2334540	20.550 ug/ml
10) T n-Eicosane (C20)	13.276	2271245	20.126 ug/ml
11) T n-Heneicosane (C21)	13.884	2240067	19.892 ug/ml
13) T n-Docosane (C22)	14.468	2232833	19.726 ug/ml
14) T n-Tetracosane (C24)	15.566	2230842	19.402 ug/ml
15) T n-Hexacosane (C26)	16.582	2163425	18.865 ug/ml
16) T n-Octacosane (C28)	17.528	2140591	18.919 ug/ml
17) T n-Tricontane (C30)	18.412	2203644	19.339 ug/ml
18) T n-Dotriacontane (C32)	19.241	2129093	19.528 ug/ml
19) T n-Tetratriacontane (C34)	20.022	1844882	19.446 ug/ml
20) T n-Hexatriacontane (C36)	20.758	1590365	19.247 ug/ml
21) T n-Octatriacontane (C38)	21.571	1508783	20.309 ug/ml
22) T n-Tetracontane (C40)	22.612	1500641	20.128 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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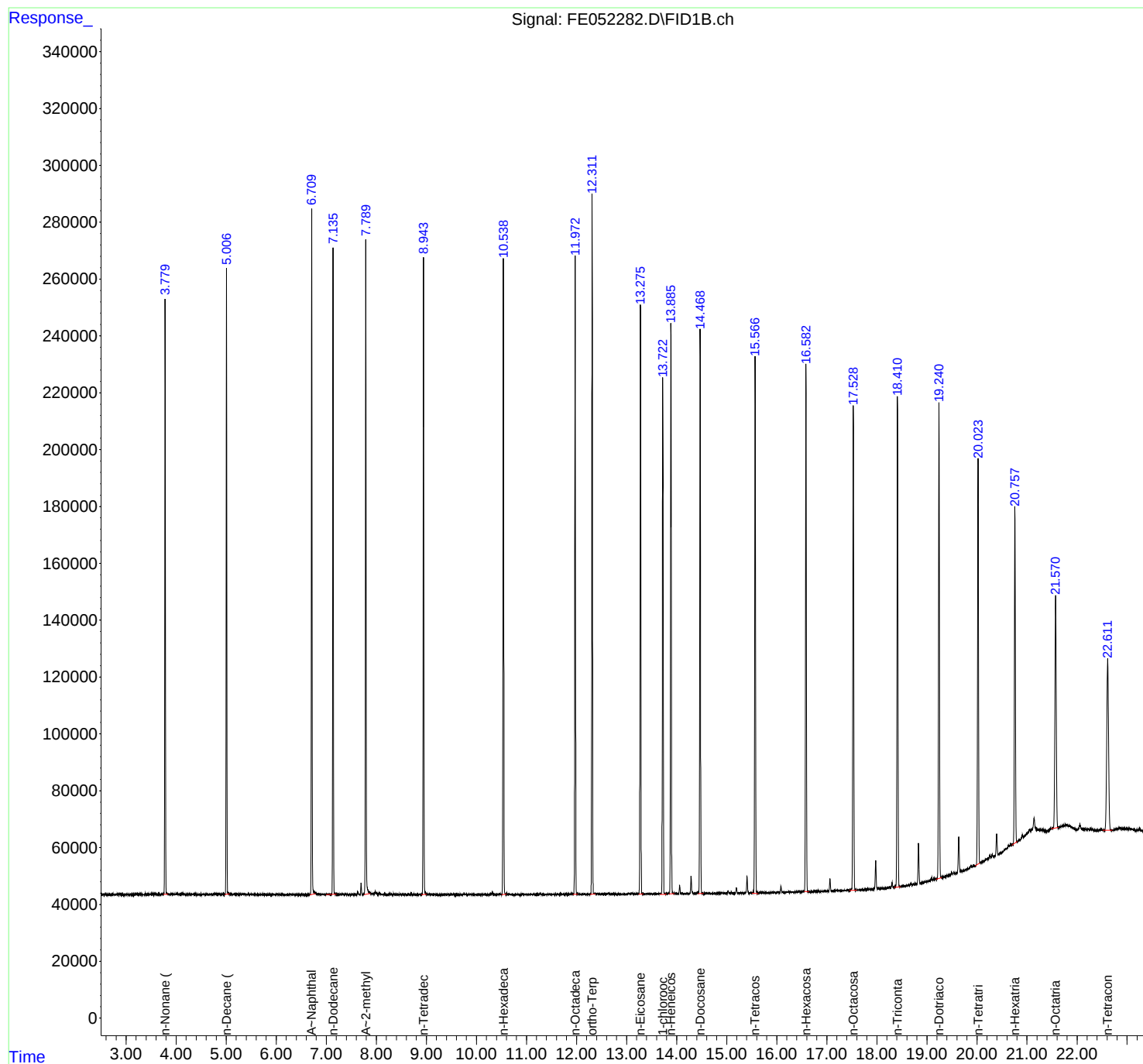
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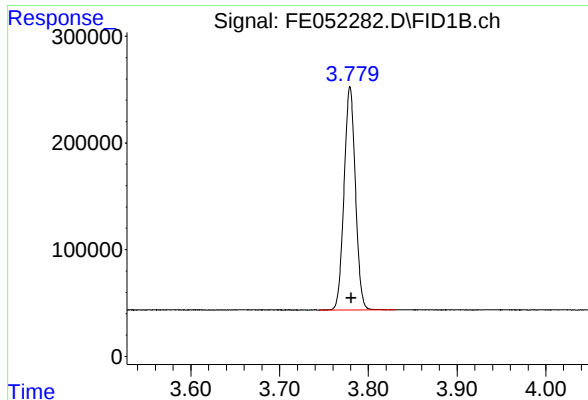
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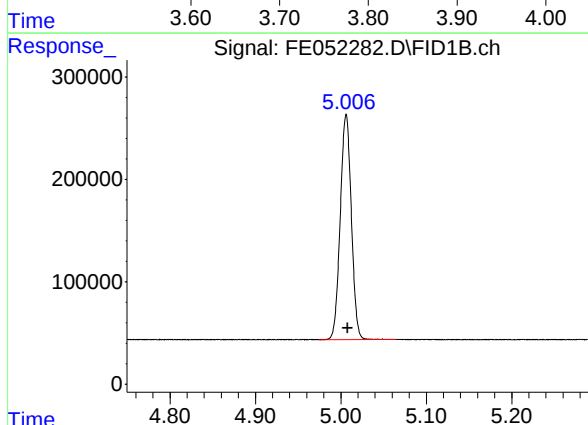
#1 n-Nonane (C9)

R.T.: 3.779 min
Delta R.T.: -0.002 min
Response: 1856405
Conc: 19.88 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

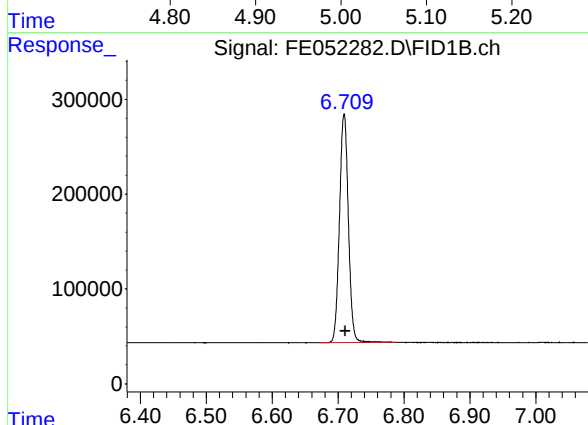
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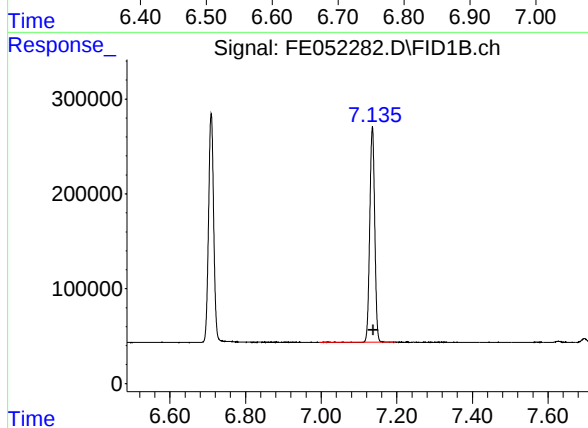
#2 n-Decane (C10)

R.T.: 5.006 min
Delta R.T.: -0.002 min
Response: 1979721
Conc: 20.62 ug/ml



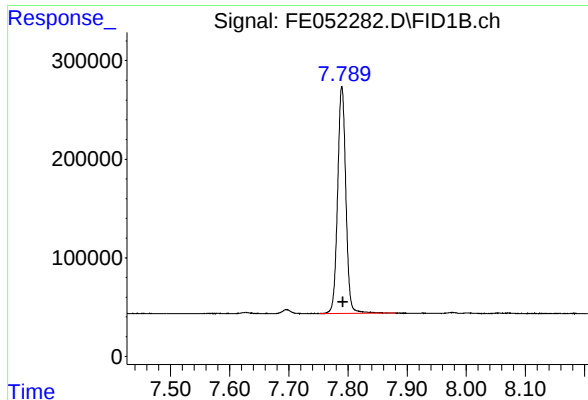
#3 A~Naphthalene (C11.7)

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 2264436
Conc: 21.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.135 min
Delta R.T.: -0.002 min
Response: 2072322
Conc: 20.91 ug/ml



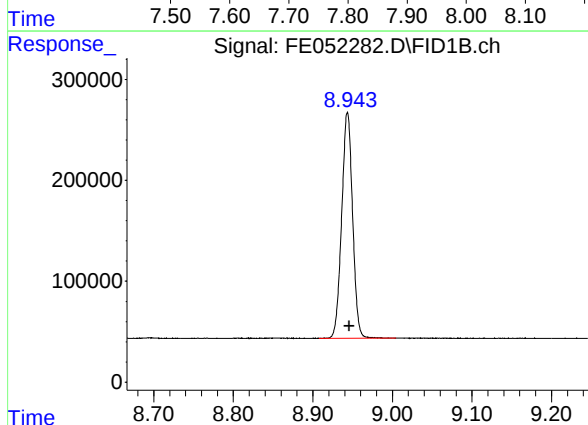
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.790 min
Delta R.T.: -0.002 min
Response: 2233685
Conc: 21.33 ug/ml

Instrument :
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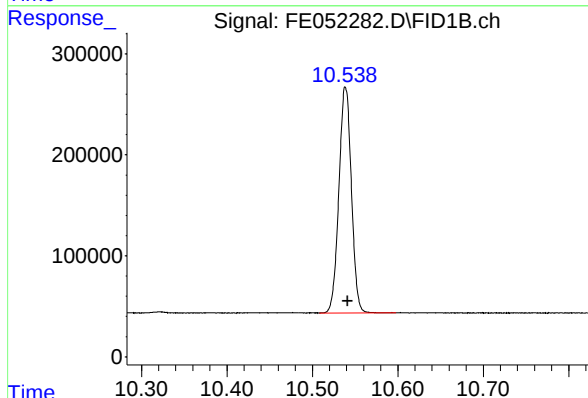
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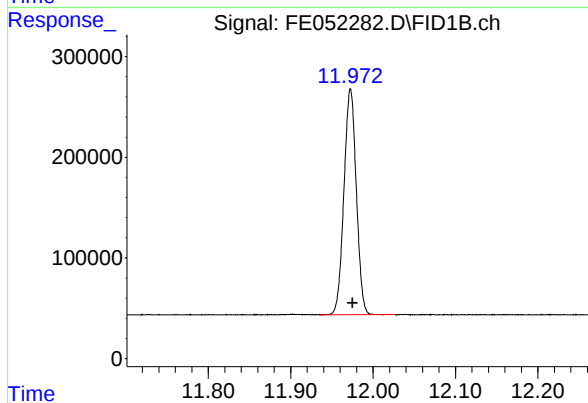
#6 n-Tetradecane (C14)

R.T.: 8.944 min
Delta R.T.: -0.002 min
Response: 2134065
Conc: 21.15 ug/ml



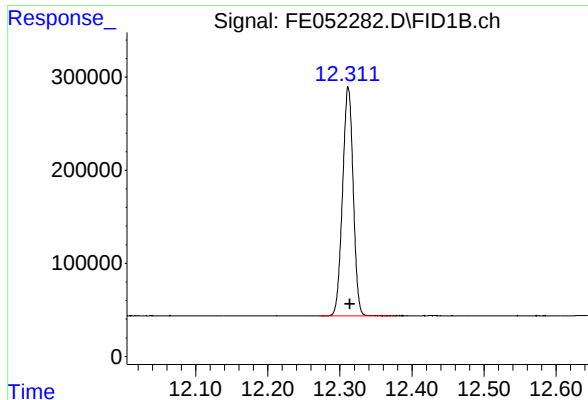
#7 n-Hexadecane (C16)

R.T.: 10.539 min
Delta R.T.: -0.002 min
Response: 2268611
Conc: 20.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.973 min
Delta R.T.: -0.003 min
Response: 2334540
Conc: 20.55 ug/ml



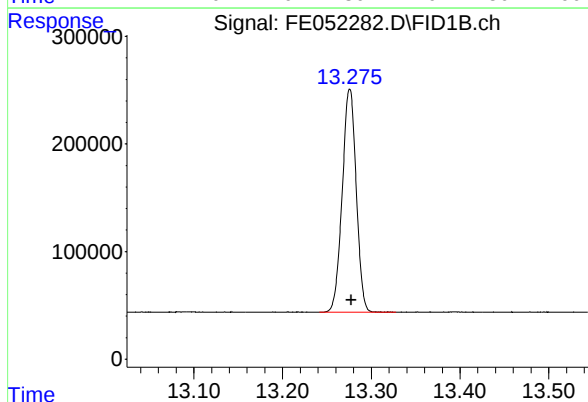
#9 ortho-Terphenyl (SURR)

R.T.: 12.312 min
Delta R.T.: -0.003 min
Response: 2522763
Conc: 20.38 ug/ml

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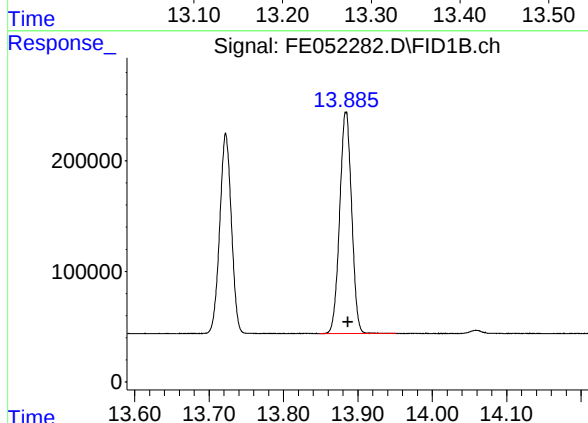
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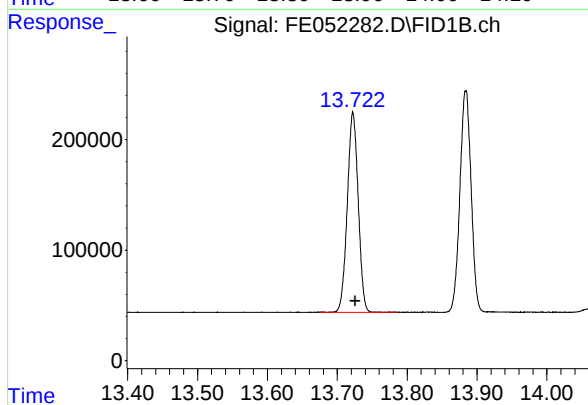
#10 n-Eicosane (C20)

R.T.: 13.276 min
Delta R.T.: -0.002 min
Response: 2271245
Conc: 20.13 ug/ml



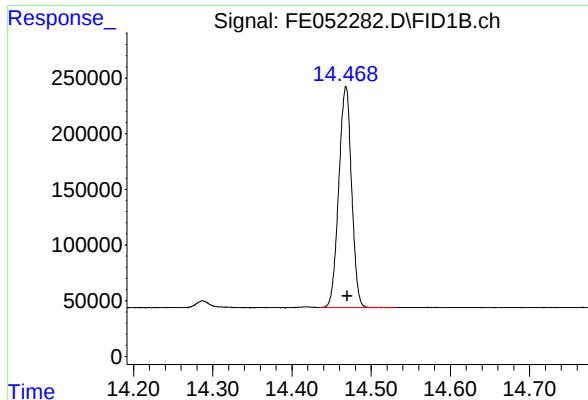
#11 n-Heneicosane (C21)

R.T.: 13.884 min
Delta R.T.: -0.003 min
Response: 2240067
Conc: 19.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.722 min
Delta R.T.: -0.004 min
Response: 1976745
Conc: 20.03 ug/ml m



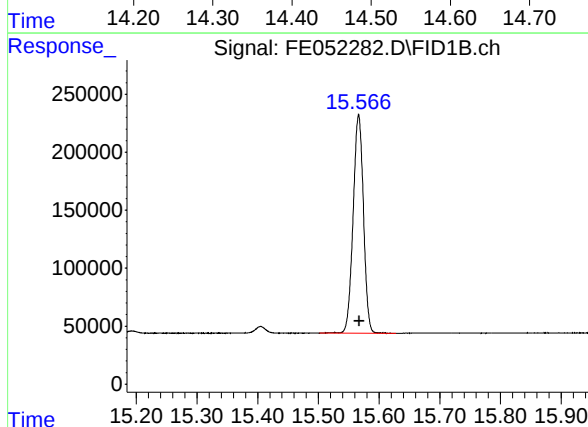
#13 n-Docosane (C22)

R.T.: 14.468 min
Delta R.T.: -0.002 min
Response: 2232833
Conc: 19.73 ug/ml

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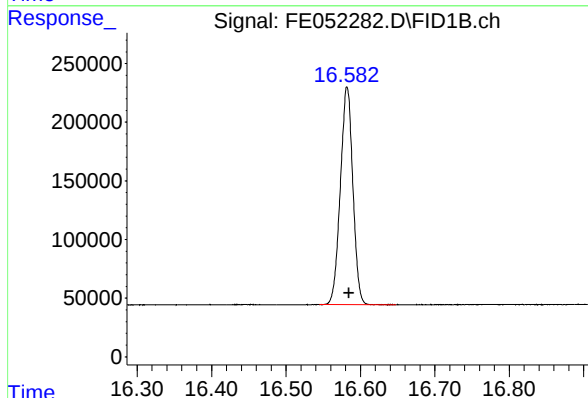
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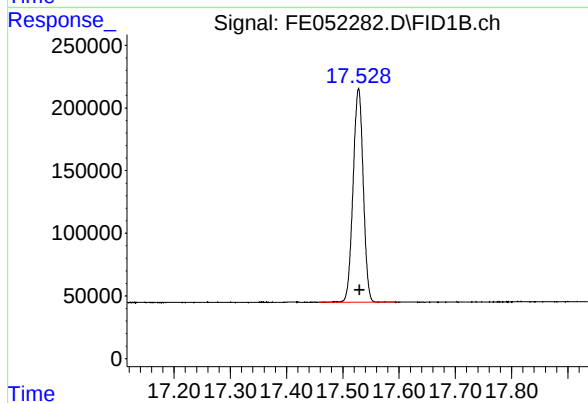
#14 n-Tetracosane (C24)

R.T.: 15.566 min
Delta R.T.: -0.001 min
Response: 2230842
Conc: 19.40 ug/ml



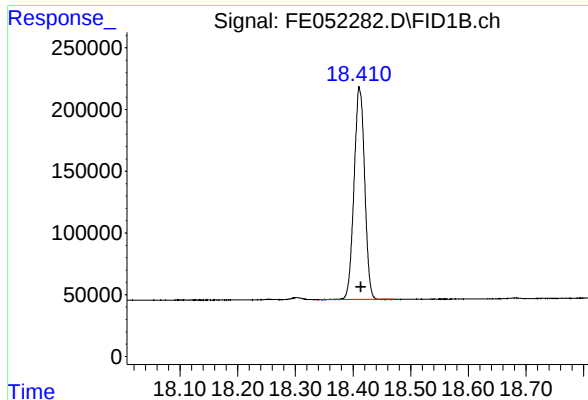
#15 n-Hexacosane (C26)

R.T.: 16.582 min
Delta R.T.: -0.002 min
Response: 2163425
Conc: 18.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.528 min
Delta R.T.: -0.002 min
Response: 2140591
Conc: 18.92 ug/ml



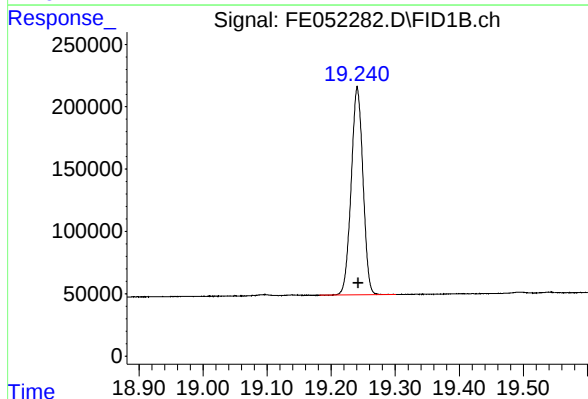
#17 n-Tricontane (C30)

R.T.: 18.412 min
Delta R.T.: -0.002 min
Response: 2203644
Conc: 19.34 ug/ml

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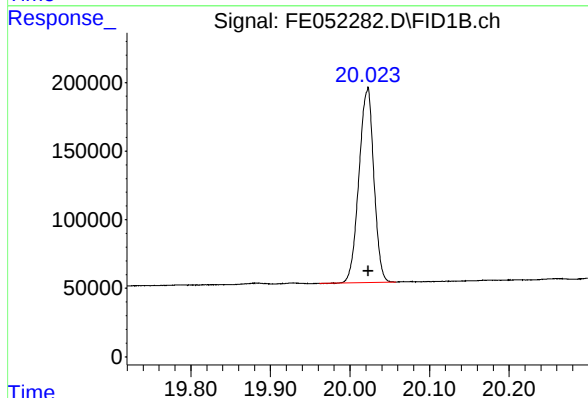
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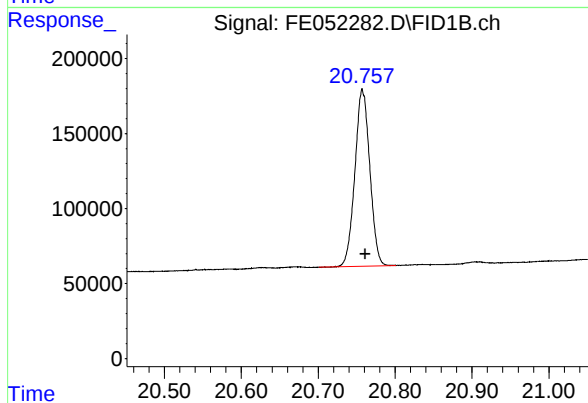
#18 n-Dotriacontane (C32)

R.T.: 19.241 min
Delta R.T.: -0.002 min
Response: 2129093
Conc: 19.53 ug/ml



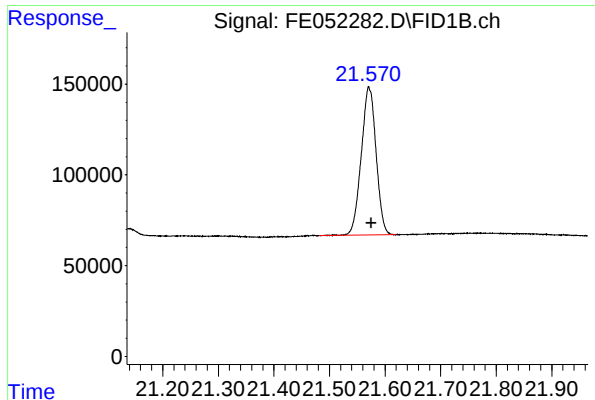
#19 n-Tetratriacontane (C34)

R.T.: 20.022 min
Delta R.T.: -0.002 min
Response: 1844882
Conc: 19.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.758 min
Delta R.T.: -0.003 min
Response: 1590365
Conc: 19.25 ug/ml



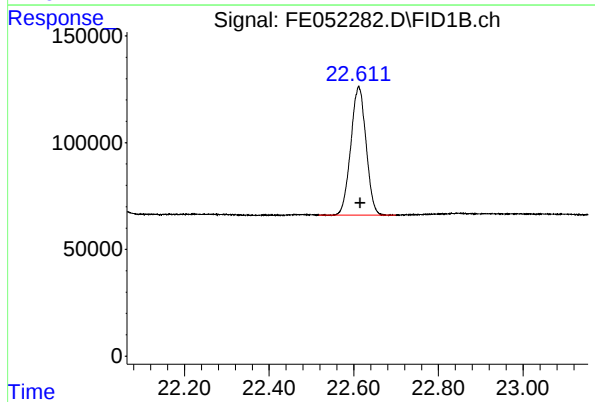
#21 n-Octatriacontane (C38)

R.T.: 21.571 min
Delta R.T.: -0.004 min
Response: 1508783
Conc: 20.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.612 min
Delta R.T.: -0.004 min
Response: 1500641
Conc: 20.13 ug/ml