

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050624AL\
 Data File : FE047978.D
 Signal(s) : FID1B.ch
 Acq On : 06 May 2024 11:09
 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 05/06/2024
 Supervised By :Ankita Jodhani 05/07/2024

Integration File: autoint1.e
 Quant Time: May 06 11:47:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.976	2820272	19.549 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
12) S 1-chlorooctadecane (S...	13.410	2149531	19.237 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
Target Compounds			
1) T n-Nonane (C9)	3.353	2450393	19.013 ug/ml
2) T n-Decane (C10)	4.605	2562407	19.463 ug/ml
3) T A~Naphthalene (C11.7)	6.316	2697649	19.537 ug/ml
4) T n-Dodecane (C12)	6.772	2597727	19.486 ug/ml
5) T A~2-methylnaphthalene...	7.412	2617055	19.666 ug/ml
6) T n-Tetradecane (C14)	8.601	2580932	19.476 ug/ml
7) T n-Hexadecane (C16)	10.209	2679140	19.480 ug/ml
8) T n-Octadecane (C18)	11.653	2724279	19.557 ug/ml
10) T n-Eicosane (C20)	12.964	2639371	19.603 ug/ml
11) T n-Heneicosane (C21)	13.575	2580080	19.491 ug/ml
13) T n-Docosane (C22)	14.163	2637833	19.905 ug/ml
14) T n-Tetracosane (C24)	15.265	2753463	20.679 ug/ml
15) T n-Hexacosane (C26)	16.286	2835916	21.252 ug/ml
16) T n-Octacosane (C28)	17.235	2973926	22.336 ug/ml
17) T n-Tricontane (C30)	18.123	3190679	23.119 ug/ml
18) T n-Dotriacontane (C32)	18.955	3203707	23.194 ug/ml
19) T n-Tetratriacontane (C34)	19.740	3047820	22.374 ug/ml
20) T n-Hexatriacontane (C36)	20.481	3119918	23.042 ug/ml
21) T n-Octatriacontane (C38)	21.225	2782818	20.155 ug/mlm
22) T n-Tetracontane (C40)	22.154	2534821	18.194 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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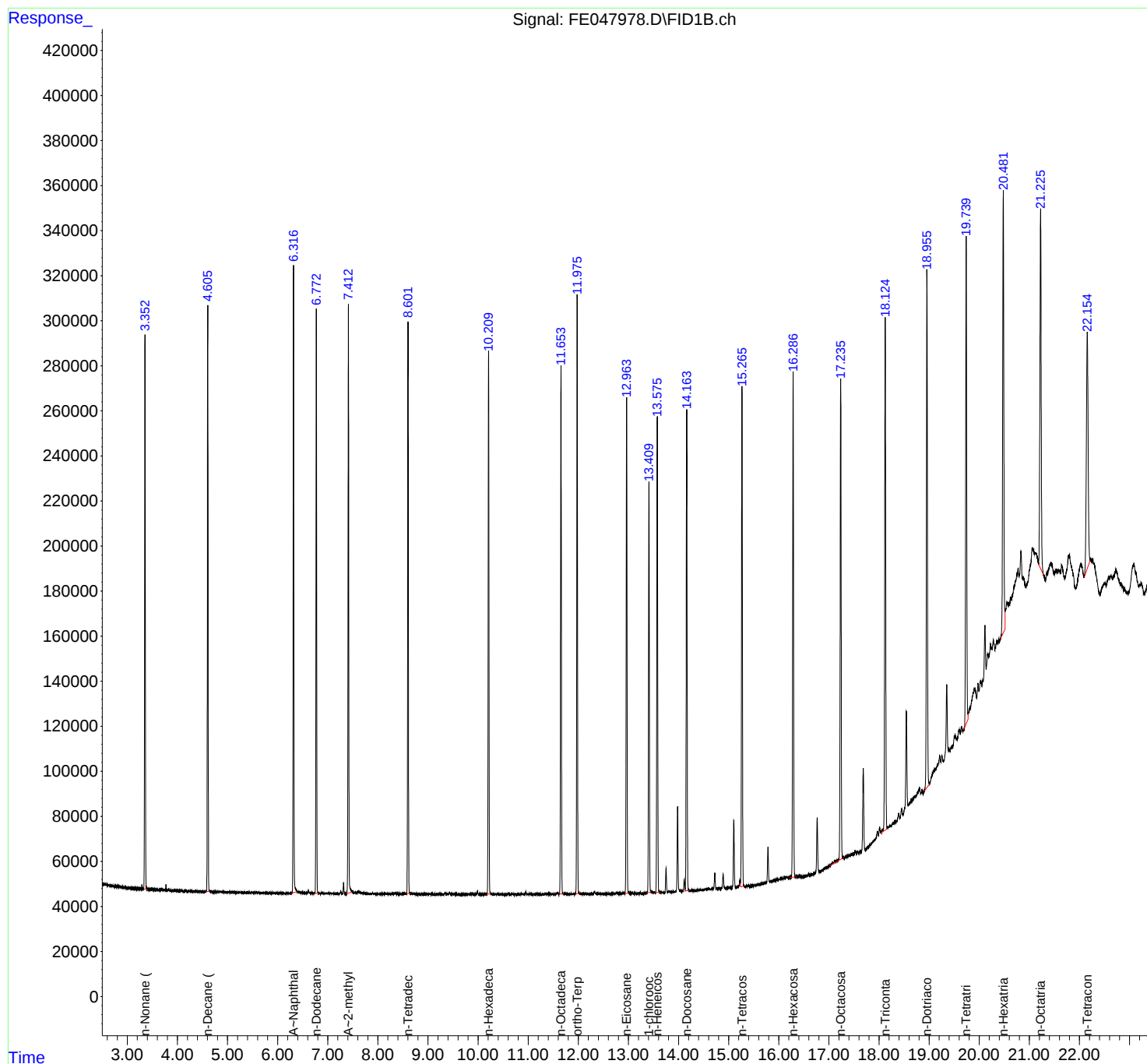
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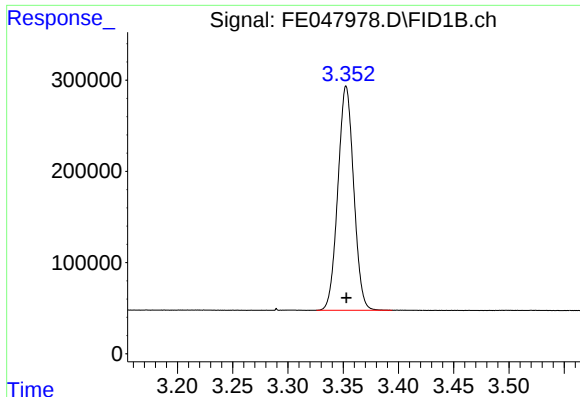
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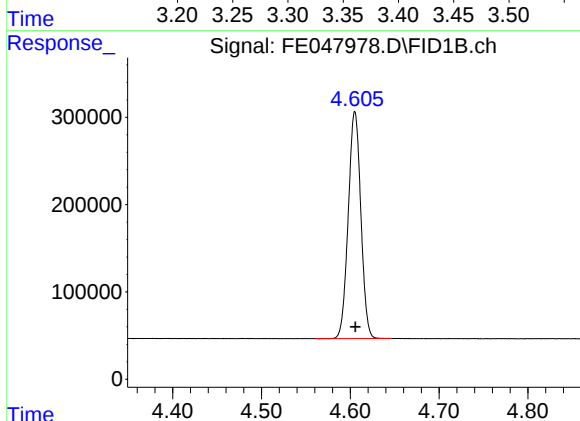
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: 0.000 min
Response: 2450393
Conc: 19.01 ug/ml

Instrument :
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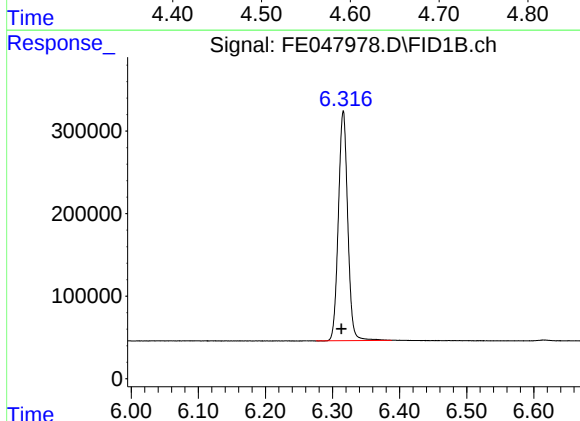
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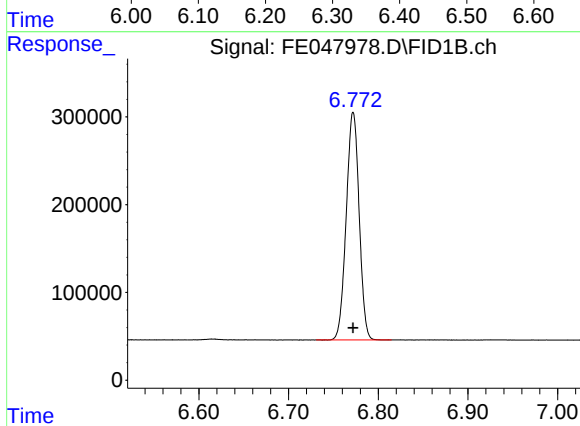
#2 n-Decane (C10)

R.T.: 4.605 min
Delta R.T.: 0.000 min
Response: 2562407
Conc: 19.46 ug/ml



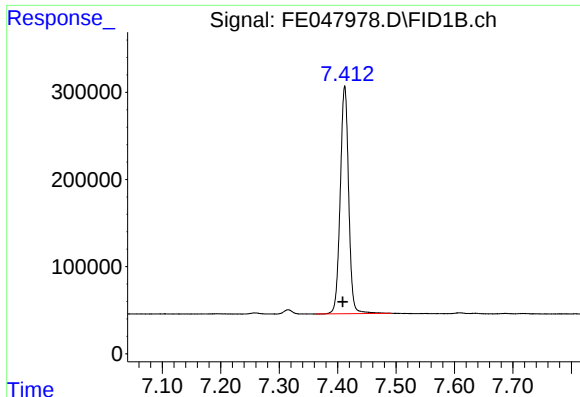
#3 A~Naphthalene (C11.7)

R.T.: 6.316 min
Delta R.T.: 0.003 min
Response: 2697649
Conc: 19.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2597727
Conc: 19.49 ug/ml



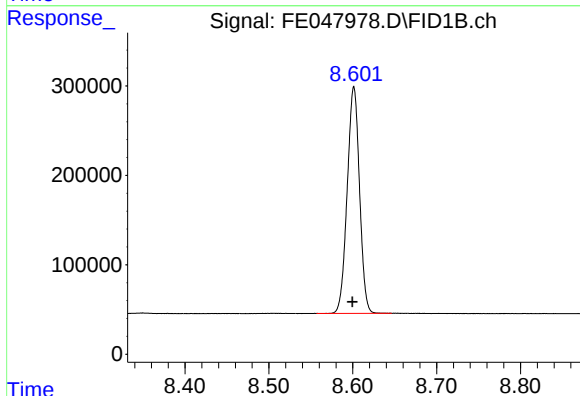
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.412 min
Delta R.T.: 0.003 min
Response: 2617055
Conc: 19.67 ug/ml

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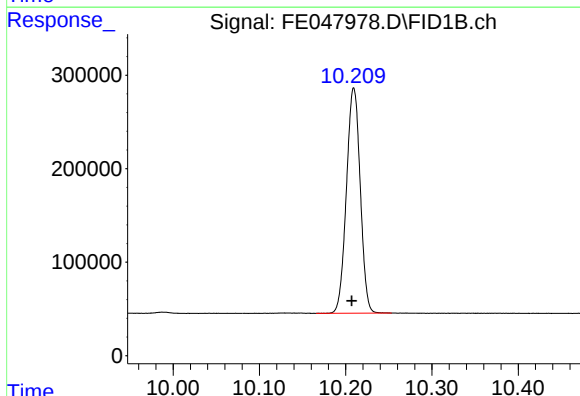
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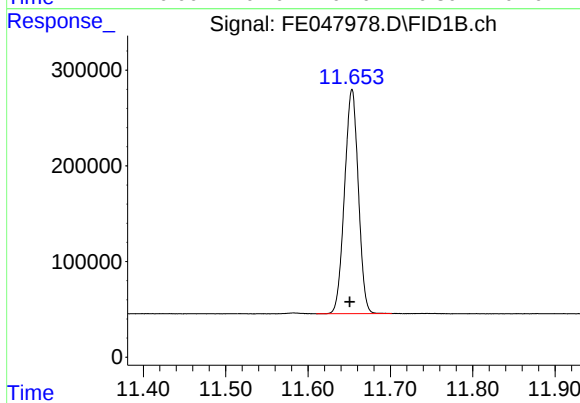
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.002 min
Response: 2580932
Conc: 19.48 ug/ml



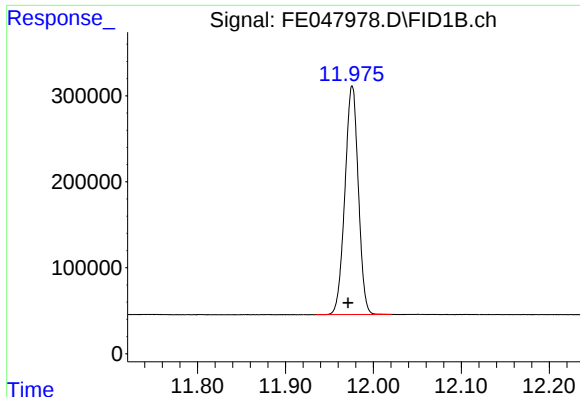
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: 0.002 min
Response: 2679140
Conc: 19.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.003 min
Response: 2724279
Conc: 19.56 ug/ml



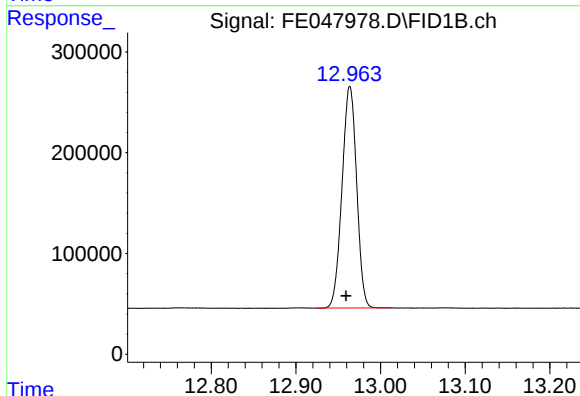
#9 ortho-Terphenyl (SURR)

R.T.: 11.976 min
Delta R.T.: 0.005 min
Response: 2820272
Conc: 19.55 ug/ml

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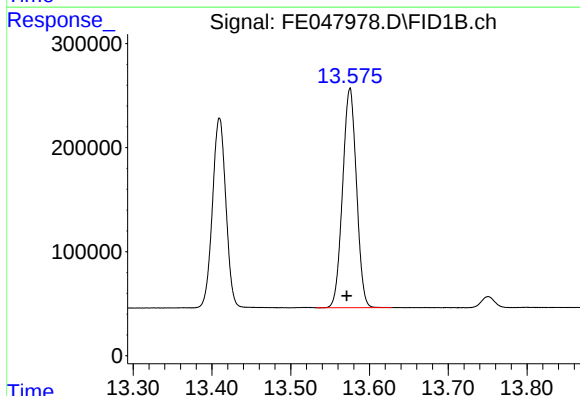
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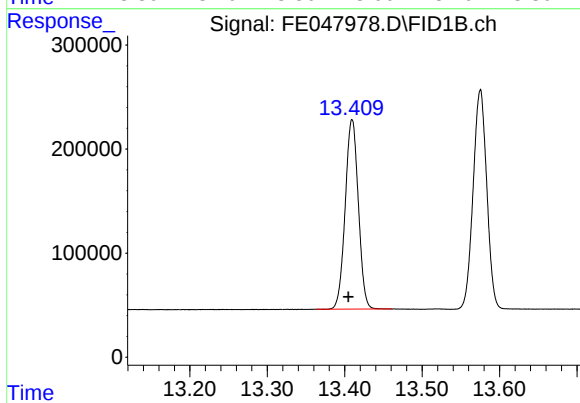
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: 0.004 min
Response: 2639371
Conc: 19.60 ug/ml



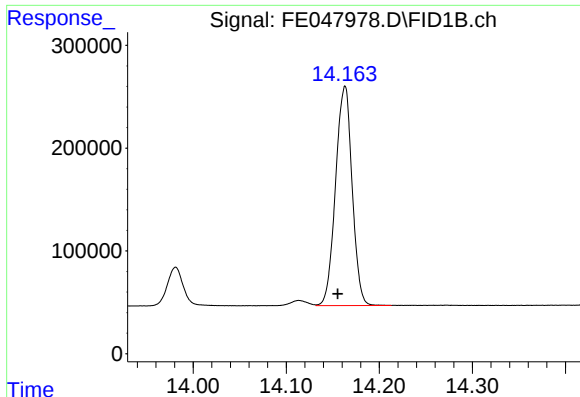
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.004 min
Response: 2580080
Conc: 19.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.410 min
Delta R.T.: 0.005 min
Response: 2149531
Conc: 19.24 ug/ml



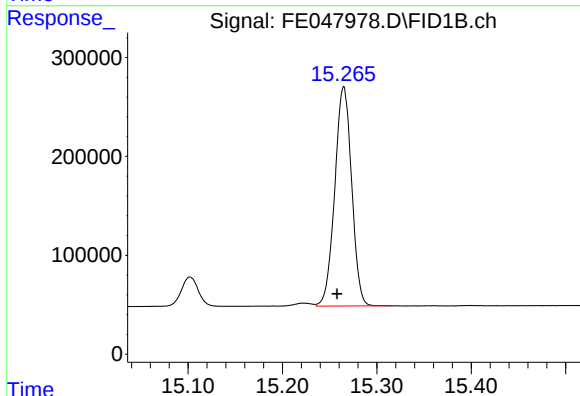
#13 n-Docosane (C22)

R.T.: 14.163 min
Delta R.T.: 0.008 min
Response: 2637833
Conc: 19.91 ug/ml

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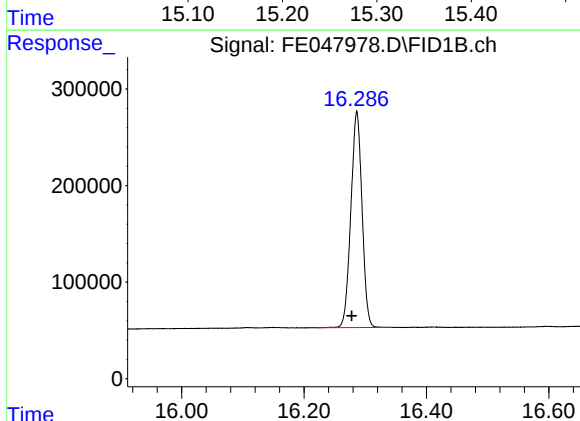
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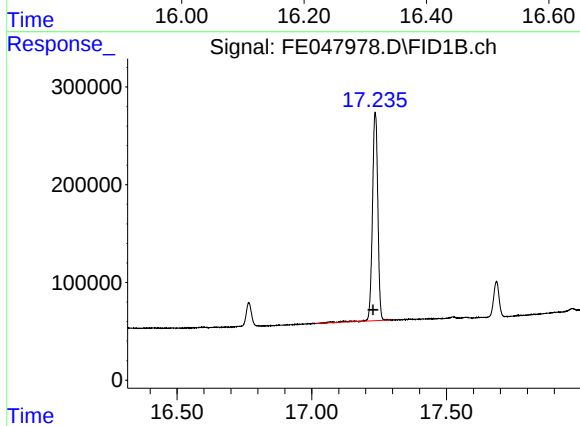
#14 n-Tetracosane (C24)

R.T.: 15.265 min
Delta R.T.: 0.007 min
Response: 2753463
Conc: 20.68 ug/ml



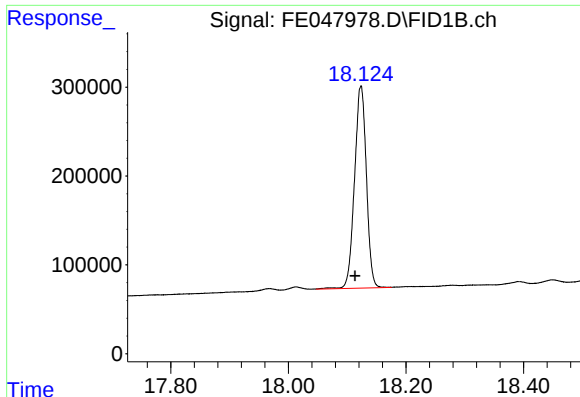
#15 n-Hexacosane (C26)

R.T.: 16.286 min
Delta R.T.: 0.008 min
Response: 2835916
Conc: 21.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.235 min
Delta R.T.: 0.008 min
Response: 2973926
Conc: 22.34 ug/ml



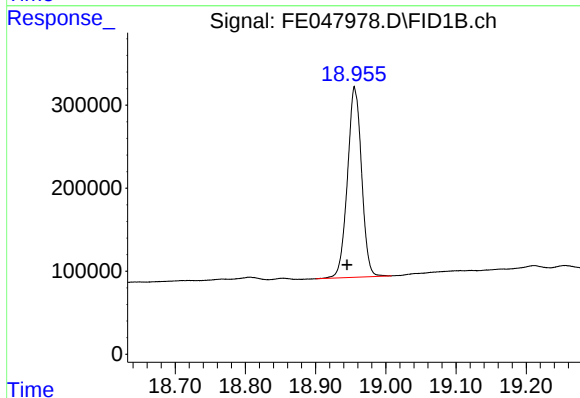
#17 n-Tricontane (C30)

R.T.: 18.123 min
Delta R.T.: 0.010 min
Response: 3190679
Conc: 23.12 ug/ml

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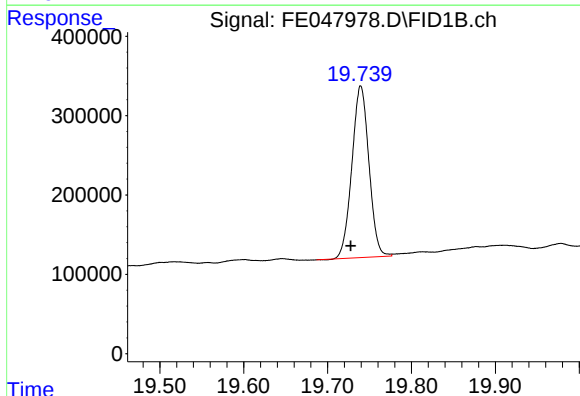
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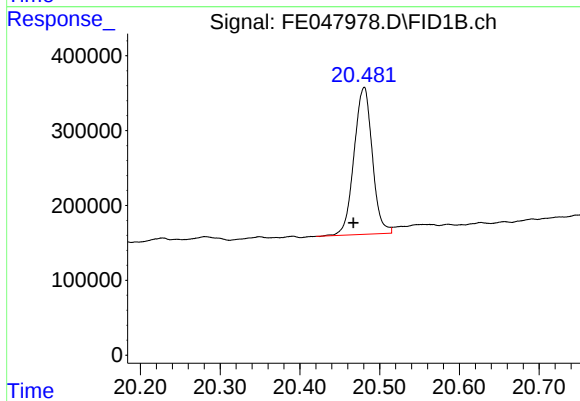
#18 n-Dotriacontane (C32)

R.T.: 18.955 min
Delta R.T.: 0.011 min
Response: 3203707
Conc: 23.19 ug/ml



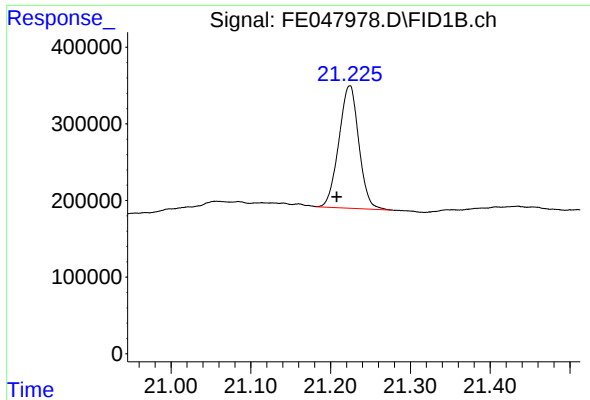
#19 n-Tetratriacontane (C34)

R.T.: 19.740 min
Delta R.T.: 0.012 min
Response: 3047820
Conc: 22.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.481 min
Delta R.T.: 0.013 min
Response: 3119918
Conc: 23.04 ug/ml



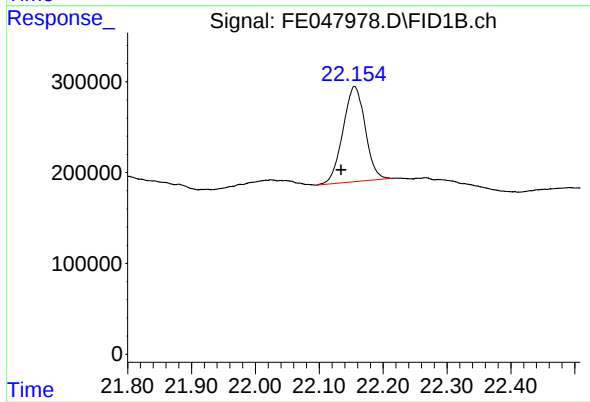
#21 n-Octatriacontane (C38)

R.T.: 21.225 min
Delta R.T.: 0.017 min
Response: 2782818
Conc: 20.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.154 min
Delta R.T.: 0.020 min
Response: 2534821
Conc: 18.19 ug/ml m