

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052925AL\
 Data File : FE054064.D
 Signal(s) : FID1B.ch
 Acq On : 29 May 2025 10:58
 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 05/30/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 30 01:32:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.839	3057150	18.812 ug/ml
Spiked Amount 50.000		Recovery =	37.62%
12) S 1-chlorooctadecane (S...	13.285	2274253	19.184 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
Target Compounds			
1) T n-Nonane (C9)	3.188	2191436	16.215 ug/ml
2) T n-Decane (C10)	4.451	2242638	16.596 ug/ml
3) T A~Naphthalene (C11.7)	6.165	2451960	17.061 ug/ml
4) T n-Dodecane (C12)	6.632	2326590	17.056 ug/ml
5) T A~2-methylnaphthalene...	7.267	2464525	17.768 ug/ml
6) T n-Tetradecane (C14)	8.466	2361595	17.500 ug/ml
7) T n-Hexadecane (C16)	10.079	2438955	18.075 ug/ml
8) T n-Octadecane (C18)	11.525	2511248	18.649 ug/mlm
10) T n-Eicosane (C20)	12.839	2471375	18.804 ug/ml
11) T n-Heneicosane (C21)	13.453	2457298	18.954 ug/ml
13) T n-Docosane (C22)	14.040	2444840	19.164 ug/ml
14) T n-Tetracosane (C24)	15.145	2418928	19.333 ug/ml
15) T n-Hexacosane (C26)	16.168	2380365	19.439 ug/ml
16) T n-Octacosane (C28)	17.119	2371339	19.507 ug/ml
17) T n-Tricontane (C30)	18.008	2458486	19.737 ug/ml
18) T n-Dotriacontane (C32)	18.842	2488716	19.901 ug/ml
19) T n-Tetratriacontane (C34)	19.627	2381352	19.991 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2373827	20.502 ug/ml
21) T n-Octatriacontane (C38)	21.100	2328760	21.399 ug/ml
22) T n-Tetracontane (C40)	21.992	2289581	23.073 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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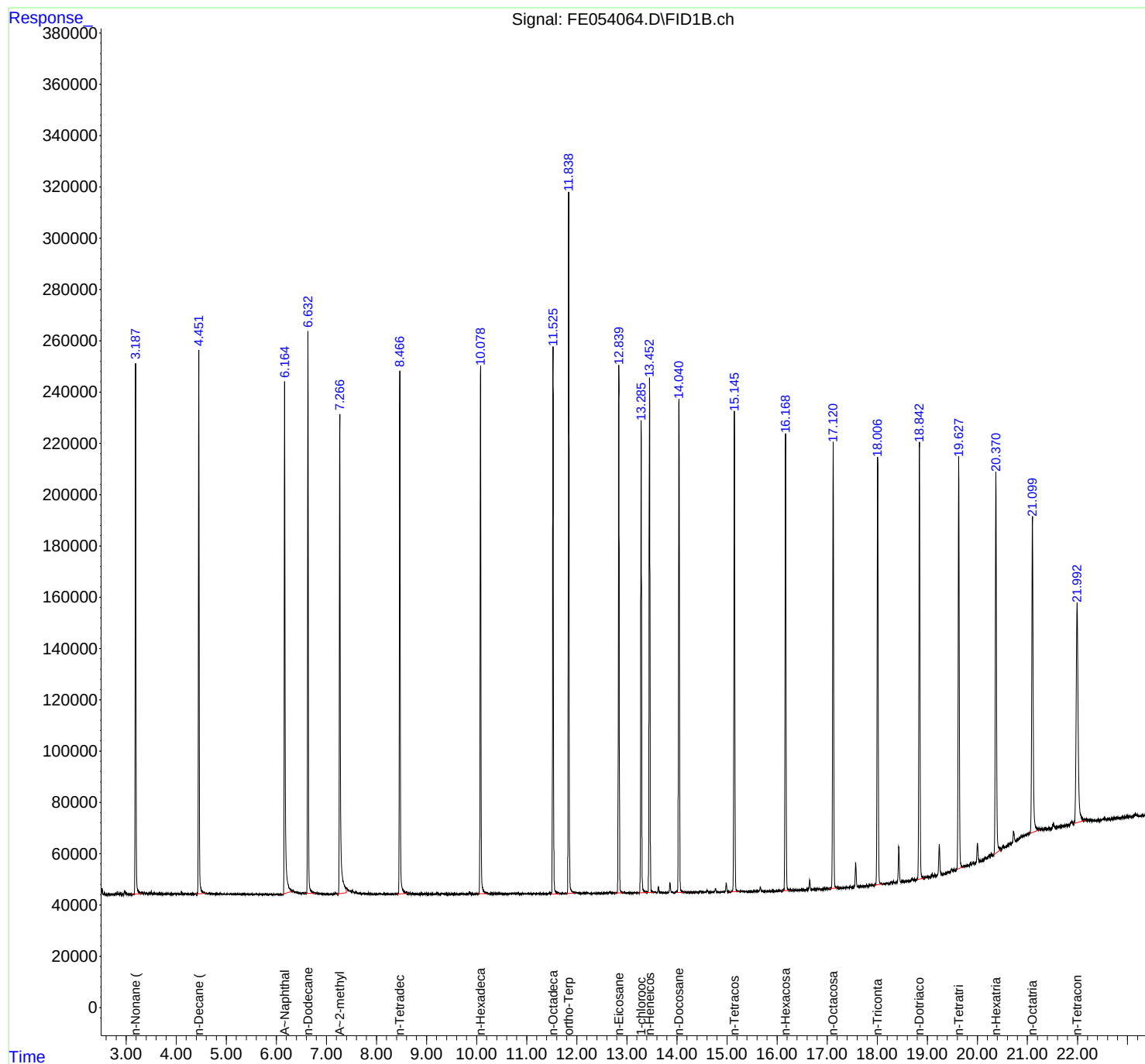
Instrument :
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20 PPM ALIPHATIC HC STD

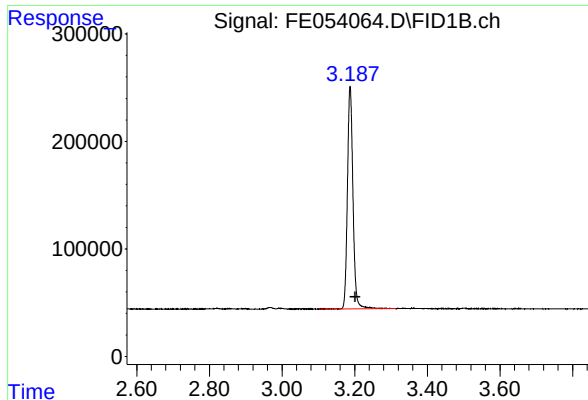
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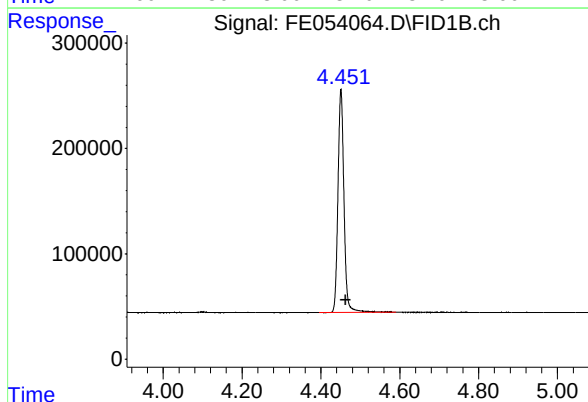
#1 n-Nonane (C9)

R.T.: 3.188 min
Delta R.T.: -0.014 min
Response: 2191436
Conc: 16.21 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

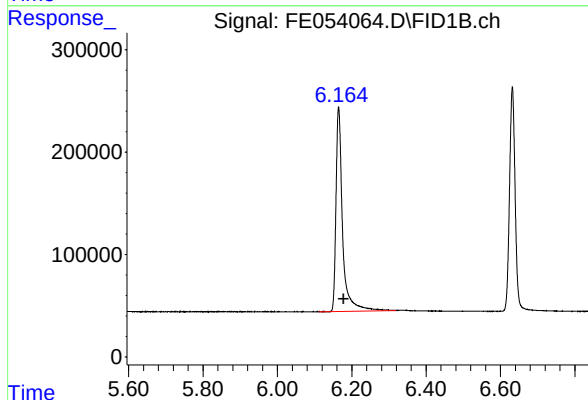
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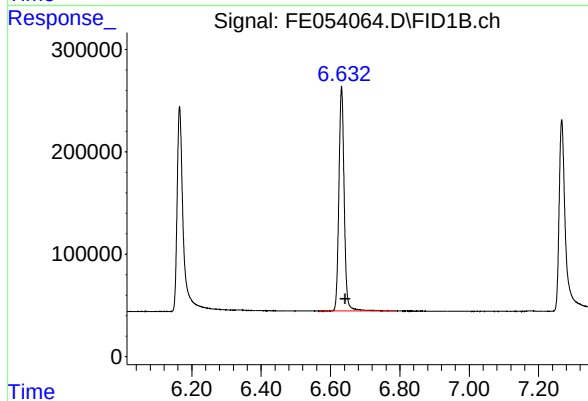
#2 n-Decane (C10)

R.T.: 4.451 min
Delta R.T.: -0.012 min
Response: 2242638
Conc: 16.60 ug/ml



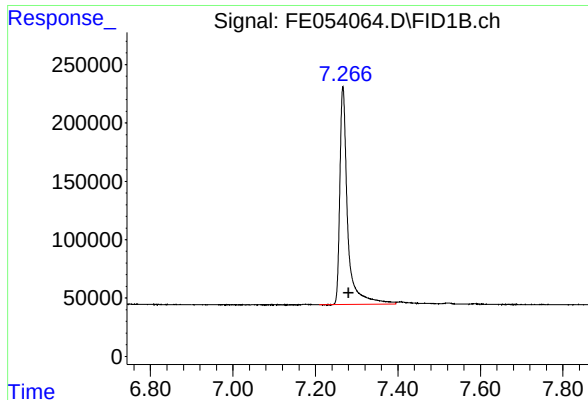
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.013 min
Response: 2451960
Conc: 17.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.010 min
Response: 2326590
Conc: 17.06 ug/ml



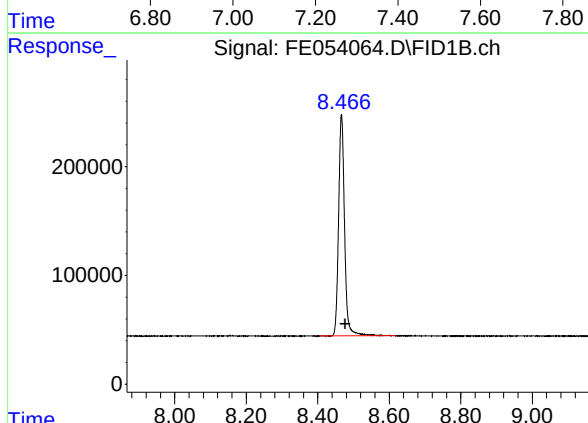
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.267 min
Delta R.T.: -0.013 min
Response: 2464525
Conc: 17.77 ug/ml

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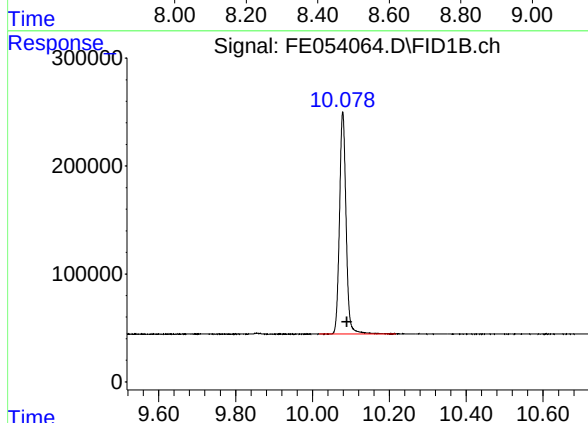
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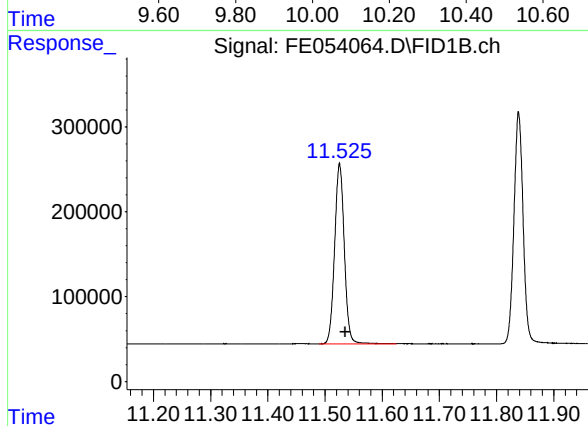
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.011 min
Response: 2361595
Conc: 17.50 ug/ml



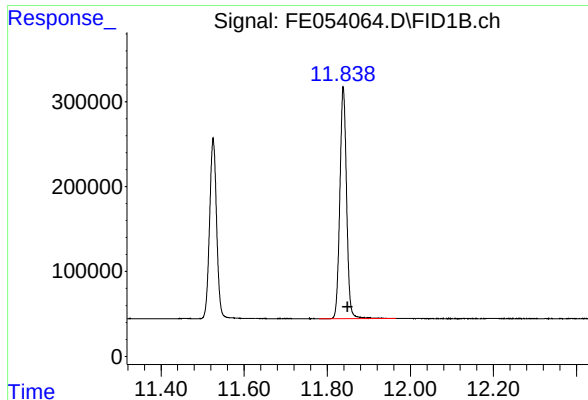
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.011 min
Response: 2438955
Conc: 18.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.011 min
Response: 2511248
Conc: 18.65 ug/ml m



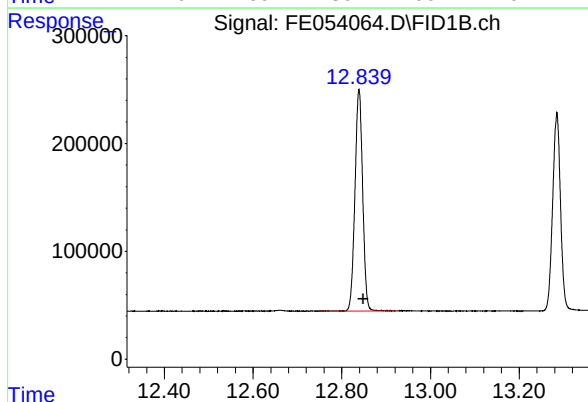
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 3057150
Conc: 18.81 ug/ml

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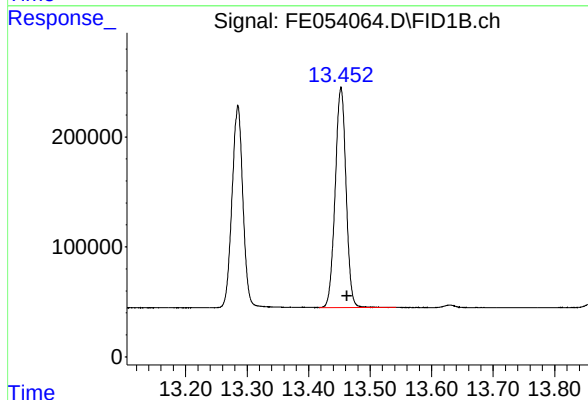
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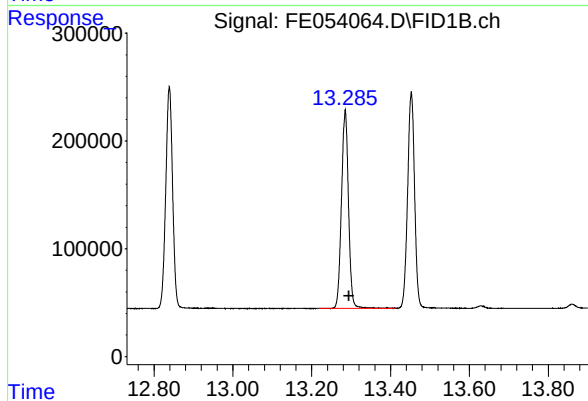
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.010 min
Response: 2471375
Conc: 18.80 ug/ml



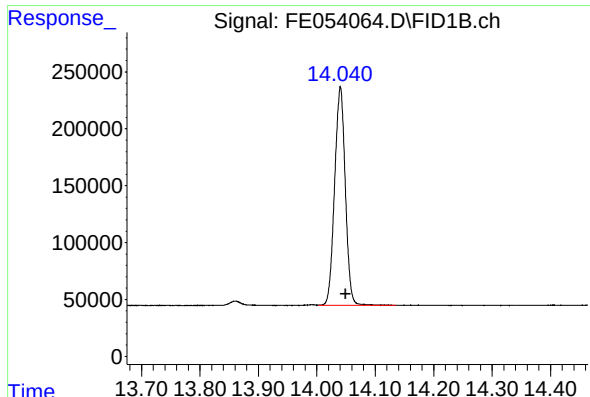
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.010 min
Response: 2457298
Conc: 18.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.010 min
Response: 2274253
Conc: 19.18 ug/ml



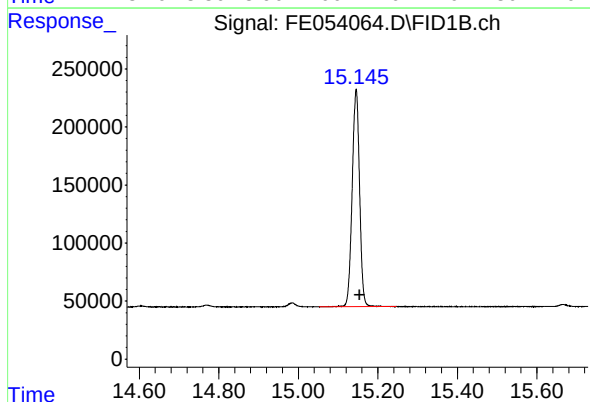
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.009 min
Response: 2444840
Conc: 19.16 ug/ml

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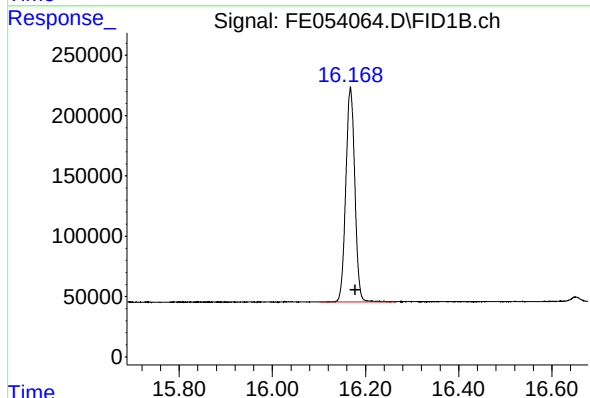
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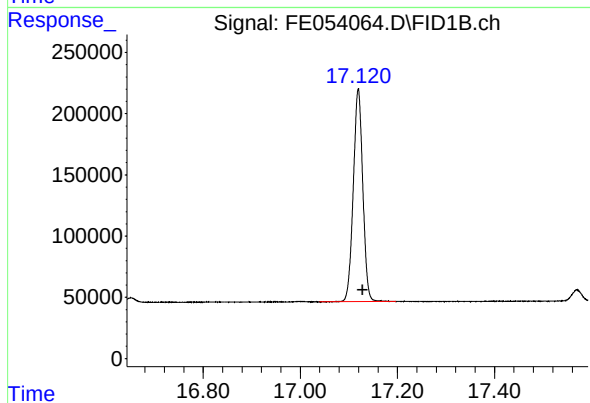
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.009 min
Response: 2418928
Conc: 19.33 ug/ml



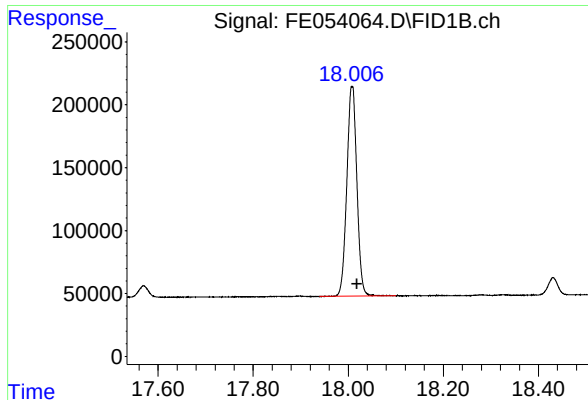
#15 n-Hexacosane (C26)

R.T.: 16.168 min
Delta R.T.: -0.010 min
Response: 2380365
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.009 min
Response: 2371339
Conc: 19.51 ug/ml



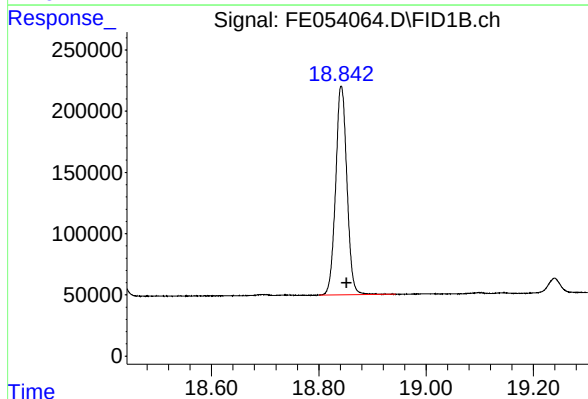
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.010 min
Response: 2458486
Conc: 19.74 ug/ml

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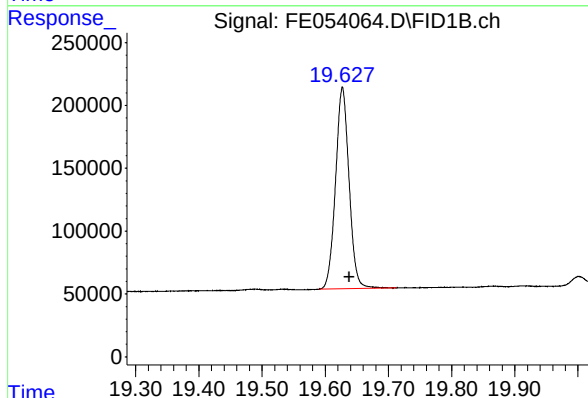
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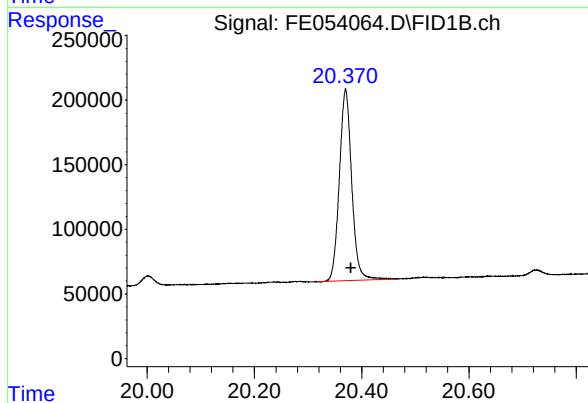
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.010 min
Response: 2488716
Conc: 19.90 ug/ml



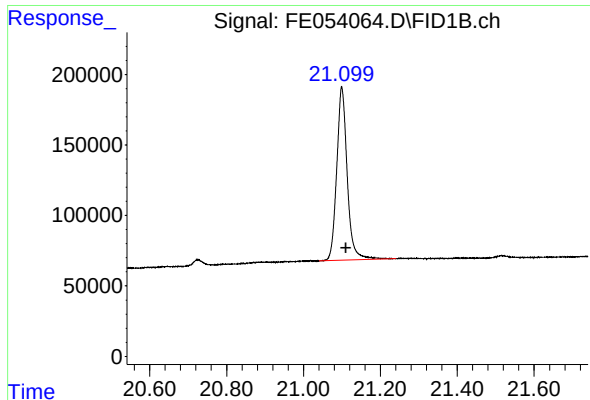
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.010 min
Response: 2381352
Conc: 19.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 2373827
Conc: 20.50 ug/ml



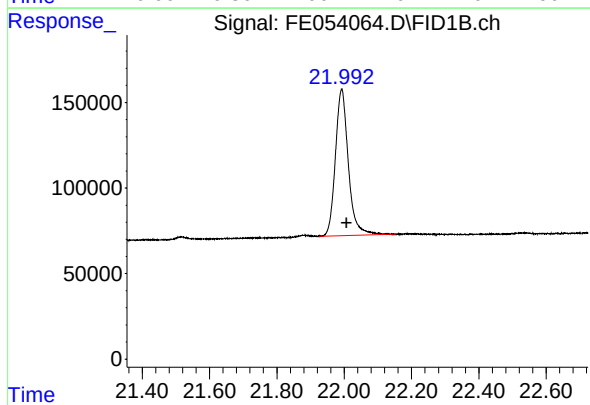
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 2328760
Conc: 21.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.014 min
Response: 2289581
Conc: 23.07 ug/ml