

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054347.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 19:13
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 01:19:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.826	3086264	18.678 ug/ml
Spiked Amount 50.000		Recovery =	37.36%
12) S 1-chlorooctadecane (S...	13.270	2309364	18.937 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
Target Compounds			
1) T n-Nonane (C9)	3.176	2293130	18.466 ug/ml
2) T n-Decane (C10)	4.439	2305889	18.558 ug/ml
3) T A~Naphthalene (C11.7)	6.154	2447883	18.114 ug/ml
4) T n-Dodecane (C12)	6.620	2373015	18.636 ug/ml
5) T A~2-methylnaphthalene...	7.256	2555552	19.294 ug/ml
6) T n-Tetradecane (C14)	8.454	2418146	18.678 ug/ml
7) T n-Hexadecane (C16)	10.066	2483067	18.692 ug/ml
8) T n-Octadecane (C18)	11.513	2529296	18.731 ug/ml
10) T n-Eicosane (C20)	12.825	2502069	18.703 ug/ml
11) T n-Heneicosane (C21)	13.438	2503454	18.827 ug/ml
13) T n-Docosane (C22)	14.025	2472573	18.857 ug/ml
14) T n-Tetracosane (C24)	15.130	2445953	18.962 ug/ml
15) T n-Hexacosane (C26)	16.152	2383285	18.986 ug/ml
16) T n-Octacosane (C28)	17.104	2349399	19.158 ug/ml
17) T n-Tricontane (C30)	17.993	2422225	19.543 ug/ml
18) T n-Dotriacontane (C32)	18.826	2484515	19.774 ug/ml
19) T n-Tetratriacontane (C34)	19.612	2511625	20.189 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	2522198	19.593 ug/mlm
21) T n-Octatriacontane (C38)	21.079	2487452	18.838 ug/ml
22) T n-Tetracontane (C40)	21.966	2546171	18.902 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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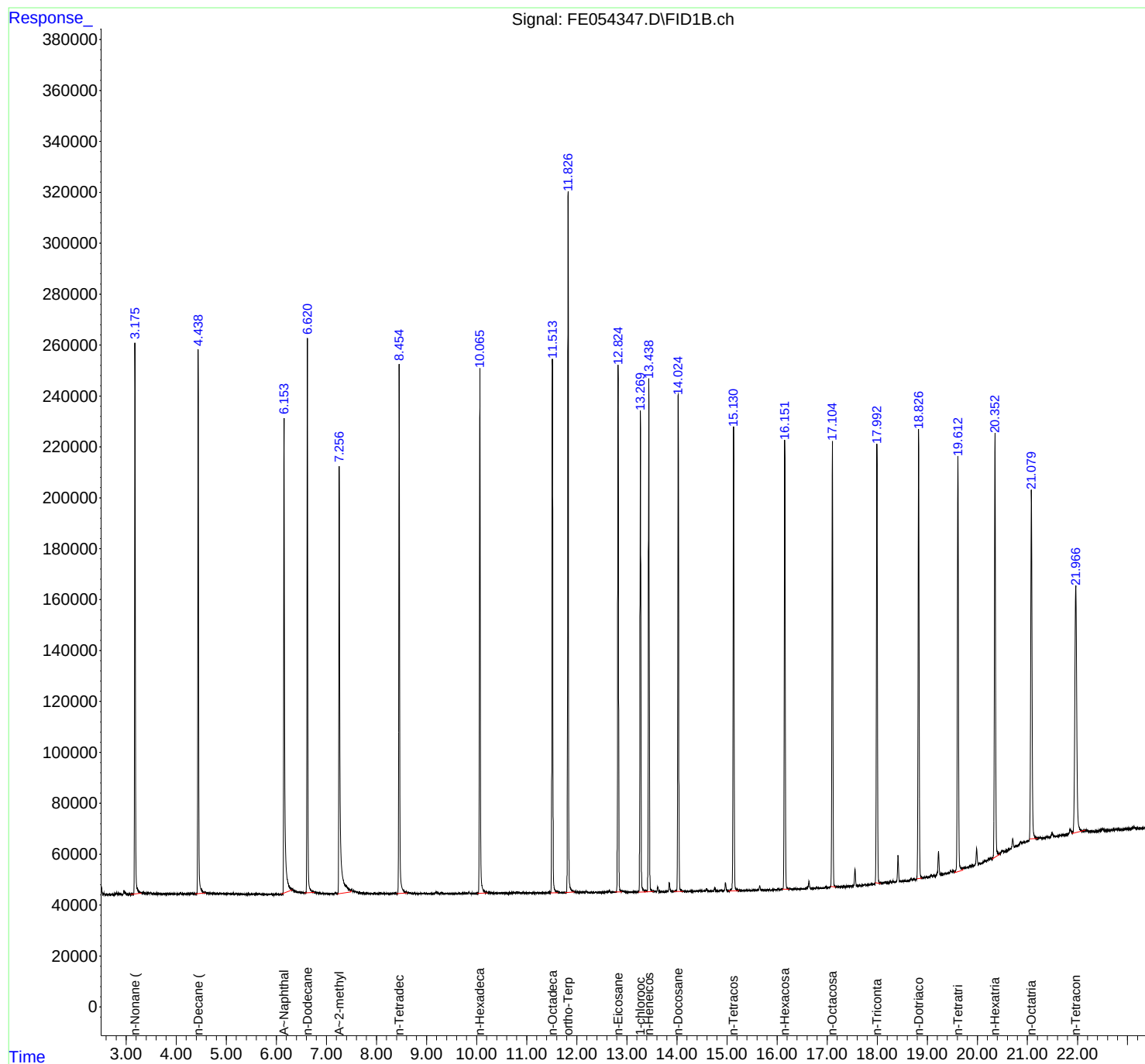
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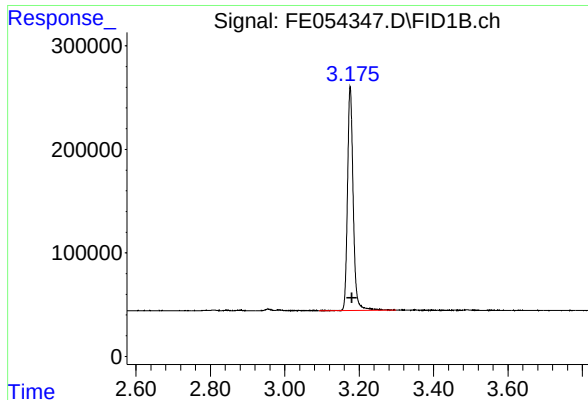
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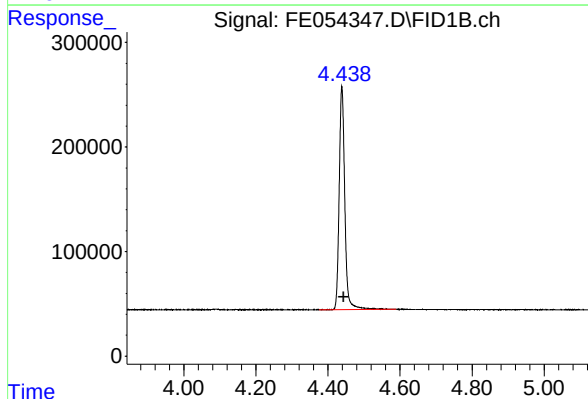
#1 n-Nonane (C9)

R.T.: 3.176 min
Delta R.T.: -0.005 min
Response: 2293130
Conc: 18.47 ug/ml

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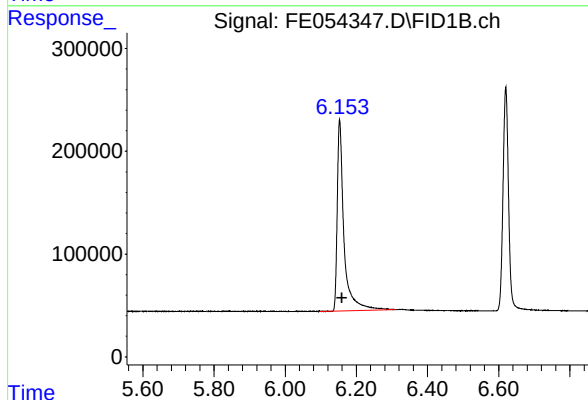
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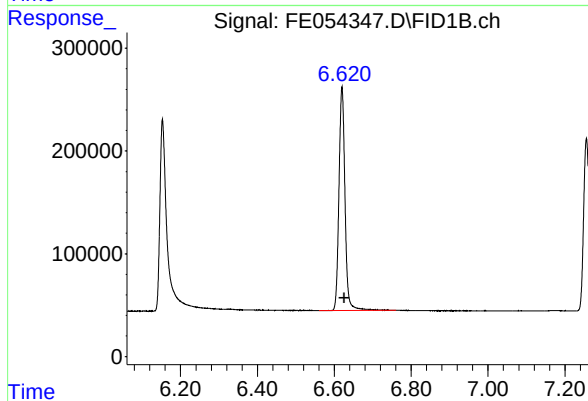
#2 n-Decane (C10)

R.T.: 4.439 min
Delta R.T.: -0.005 min
Response: 2305889
Conc: 18.56 ug/ml



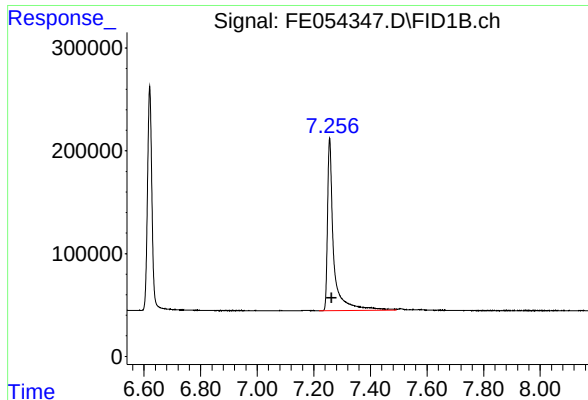
#3 A~Naphthalene (C11.7)

R.T.: 6.154 min
Delta R.T.: -0.007 min
Response: 2447883
Conc: 18.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.620 min
Delta R.T.: -0.006 min
Response: 2373015
Conc: 18.64 ug/ml



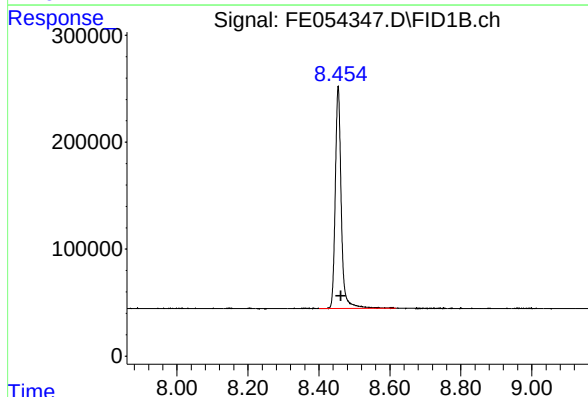
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.256 min
Delta R.T.: -0.006 min
Response: 2555552
Conc: 19.29 ug/ml

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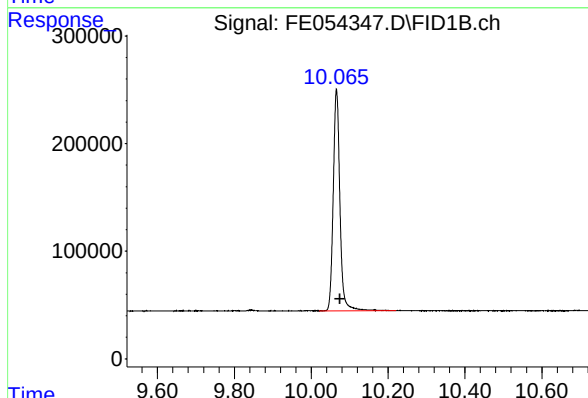
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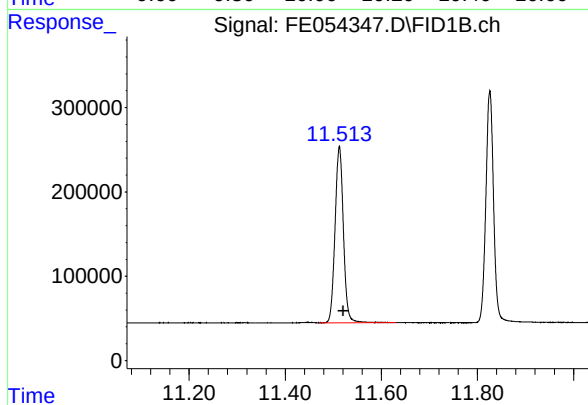
#6 n-Tetradecane (C14)

R.T.: 8.454 min
Delta R.T.: -0.007 min
Response: 2418146
Conc: 18.68 ug/ml



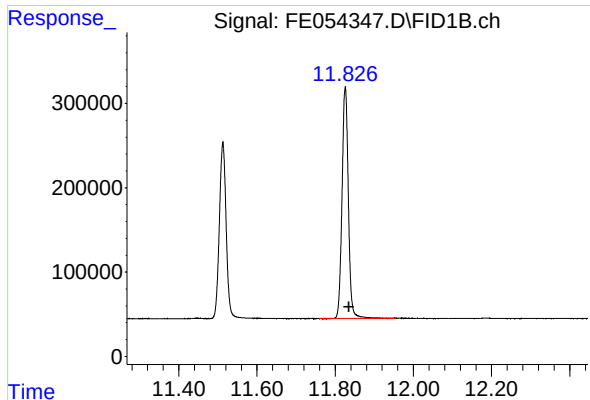
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.009 min
Response: 2483067
Conc: 18.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 2529296
Conc: 18.73 ug/ml



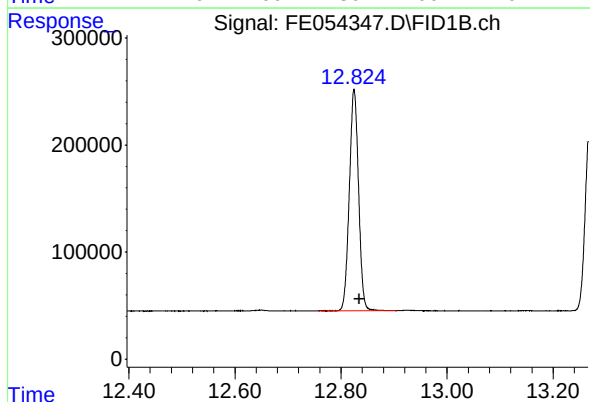
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 3086264
Conc: 18.68 ug/ml

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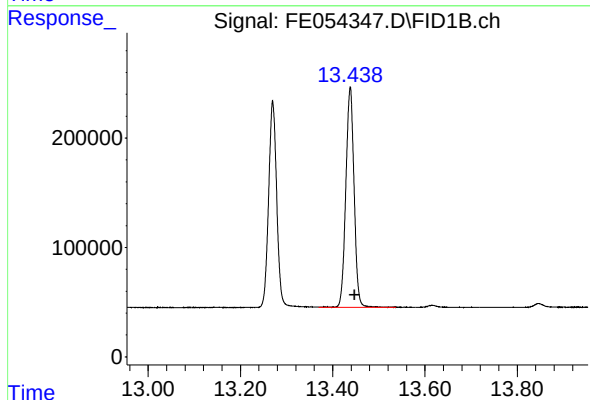
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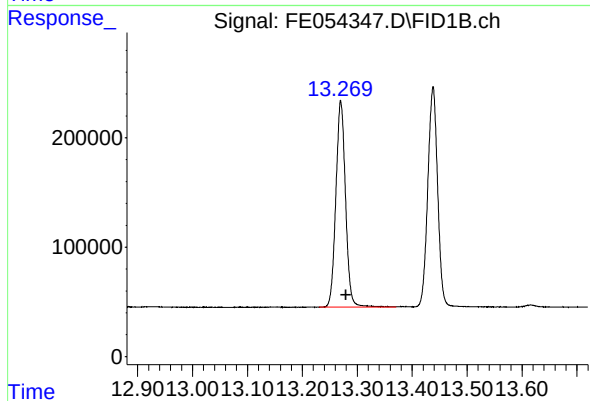
#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.010 min
Response: 2502069
Conc: 18.70 ug/ml



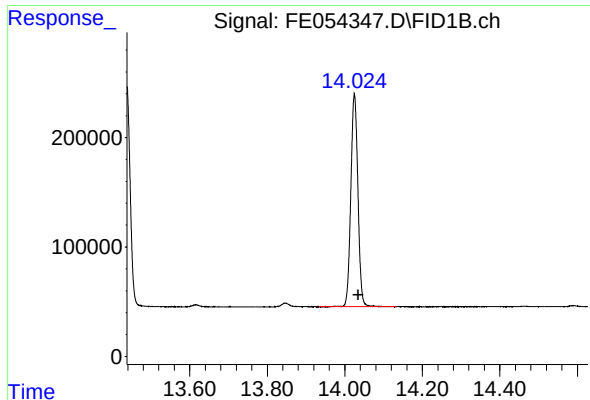
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.010 min
Response: 2503454
Conc: 18.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.009 min
Response: 2309364
Conc: 18.94 ug/ml



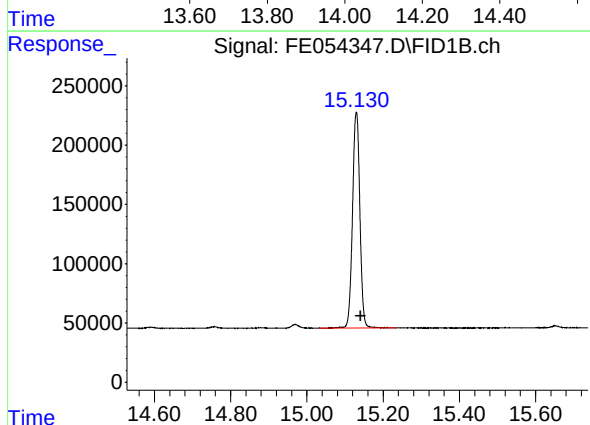
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 2472573
Conc: 18.86 ug/ml

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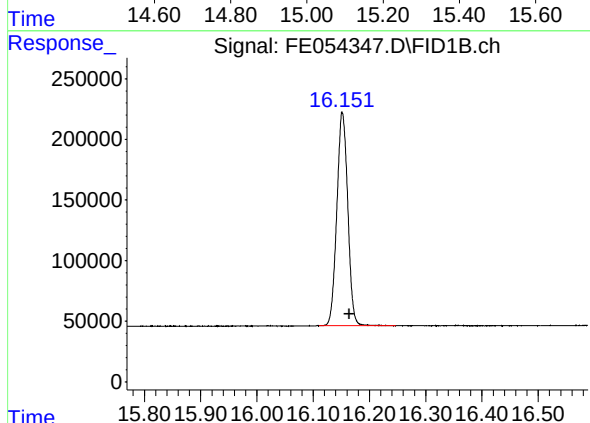
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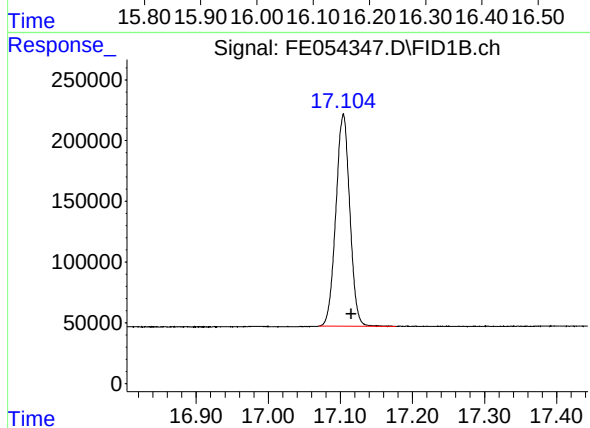
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.012 min
Response: 2445953
Conc: 18.96 ug/ml



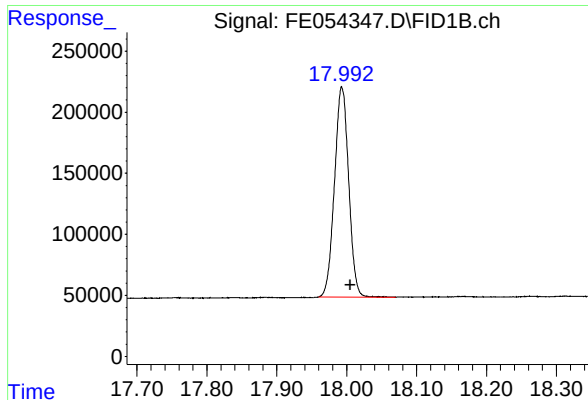
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2383285
Conc: 18.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2349399
Conc: 19.16 ug/ml



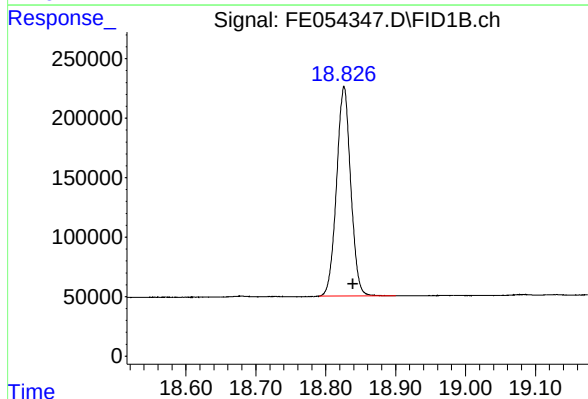
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2422225
Conc: 19.54 ug/ml

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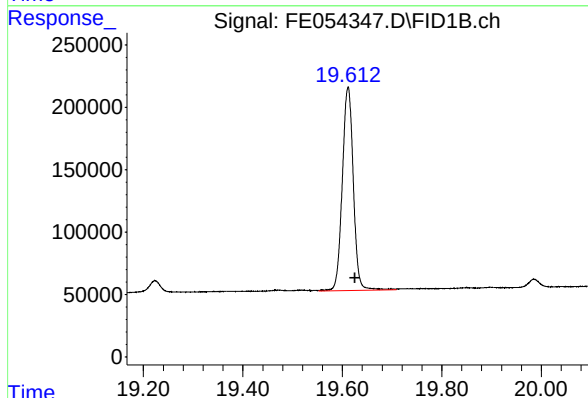
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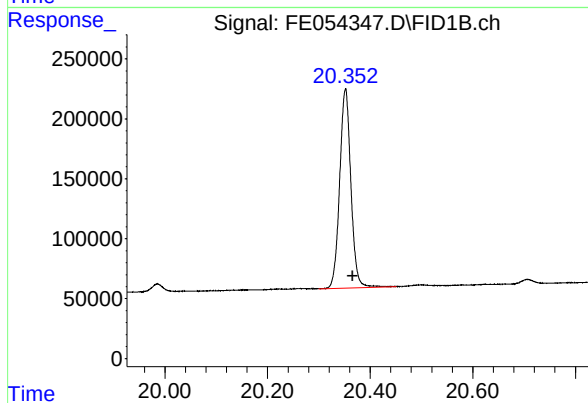
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.013 min
Response: 2484515
Conc: 19.77 ug/ml



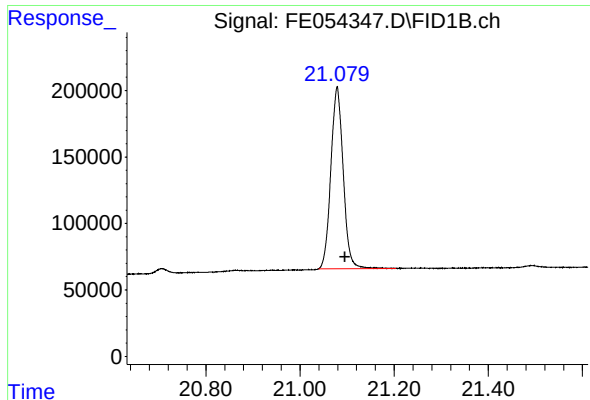
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 2511625
Conc: 20.19 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.014 min
Response: 2522198
Conc: 19.59 ug/ml m



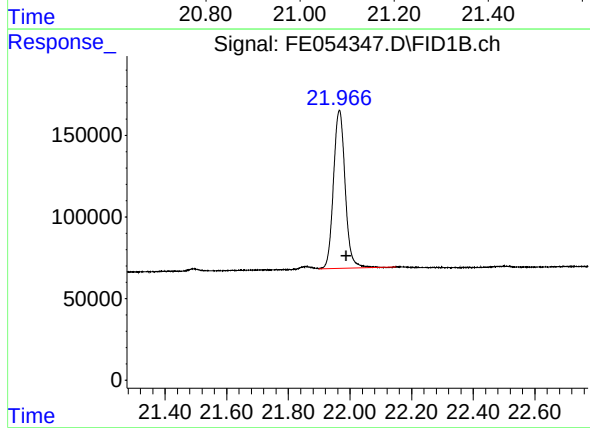
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.017 min
Response: 2487452
Conc: 18.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.023 min
Response: 2546171
Conc: 18.90 ug/ml m