

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052125AL\
 Data File : FE053946.D
 Signal(s) : FID1B.ch
 Acq On : 21 May 2025 12:13
 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 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
 Quant Time: May 22 03:16:00 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)	11.842	3313505	20.389 ug/ml
Spiked Amount 50.000		Recovery =	40.78%
12) S 1-chlorooctadecane (S...	13.287	2450061	20.667 ug/ml
Spiked Amount 50.000		Recovery =	41.33%
Target Compounds			
1) T n-Nonane (C9)	3.194	2654214	19.639 ug/ml
2) T n-Decane (C10)	4.455	2687150	19.885 ug/ml
3) T A~Naphthalene (C11.7)	6.167	2871133	19.978 ug/ml
4) T n-Dodecane (C12)	6.635	2726268	19.986 ug/ml
5) T A~2-methylnaphthalene...	7.269	2726020	19.653 ug/ml
6) T n-Tetradecane (C14)	8.470	2705392	20.048 ug/ml
7) T n-Hexadecane (C16)	10.082	2740520	20.310 ug/ml
8) T n-Octadecane (C18)	11.529	2718817	20.190 ug/ml
10) T n-Eicosane (C20)	12.842	2688313	20.455 ug/ml
11) T n-Heneicosane (C21)	13.455	2664851	20.555 ug/ml
13) T n-Docosane (C22)	14.042	2644979	20.733 ug/ml
14) T n-Tetracosane (C24)	15.148	2607296	20.839 ug/ml
15) T n-Hexacosane (C26)	16.170	2560130	20.907 ug/ml
16) T n-Octacosane (C28)	17.121	2536677	20.867 ug/ml
17) T n-Tricontane (C30)	18.011	2608568	20.941 ug/ml
18) T n-Dotriacontane (C32)	18.844	2618029	20.935 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2485676	20.867 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2460775	21.252 ug/ml
21) T n-Octatriacontane (C38)	21.101	2306196	21.192 ug/ml
22) T n-Tetracontane (C40)	21.995	2277644	22.953 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

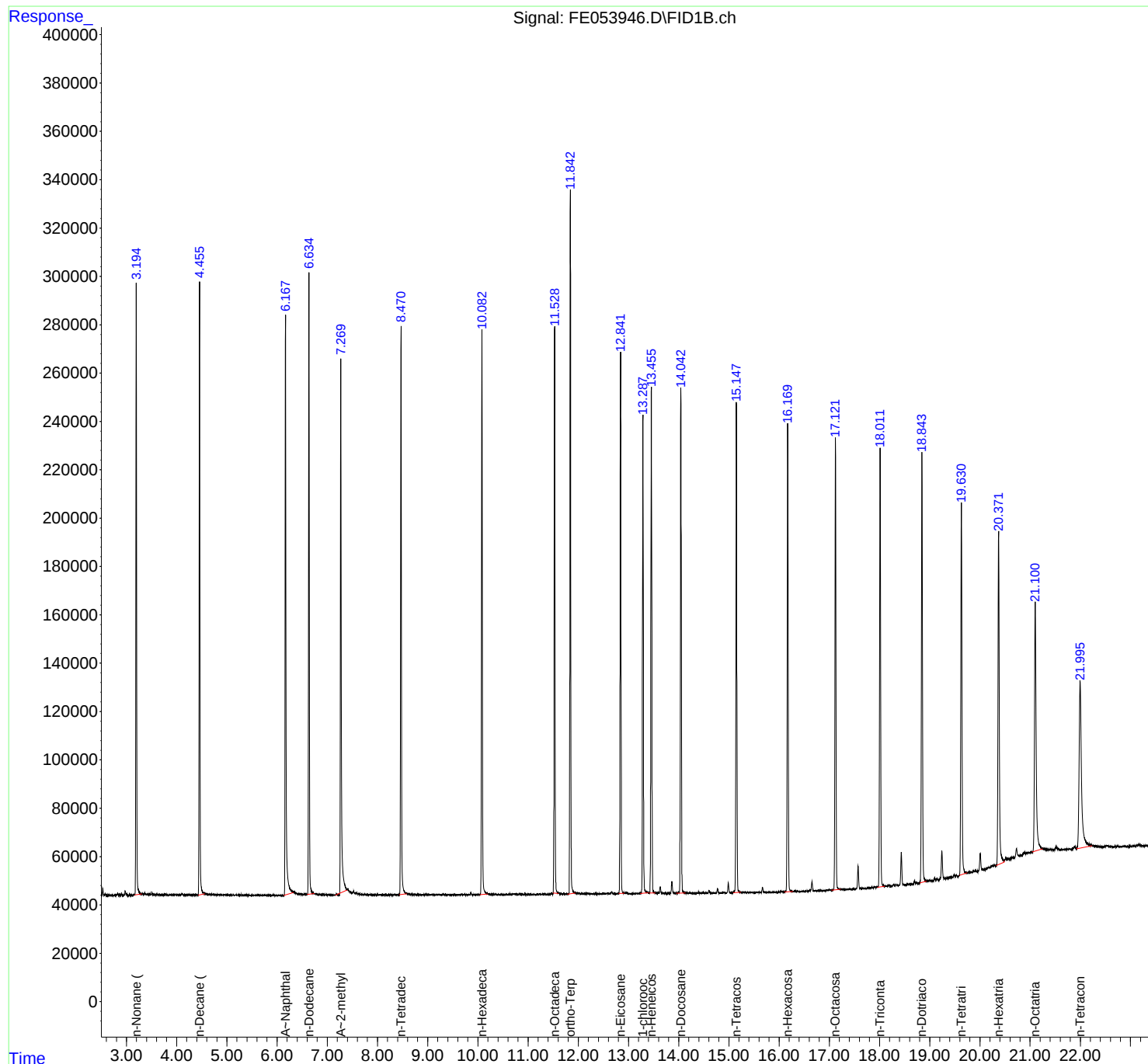
Instrument :
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20 PPM ALIPHATIC HC STD

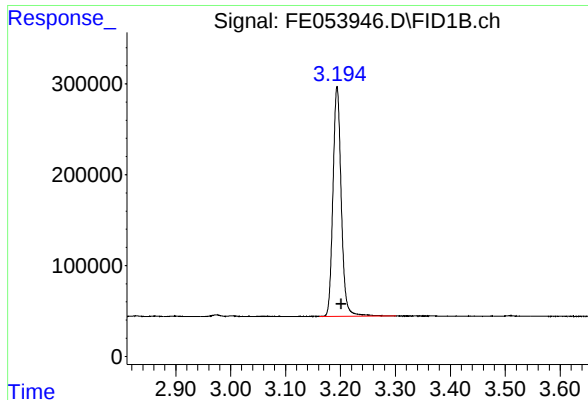
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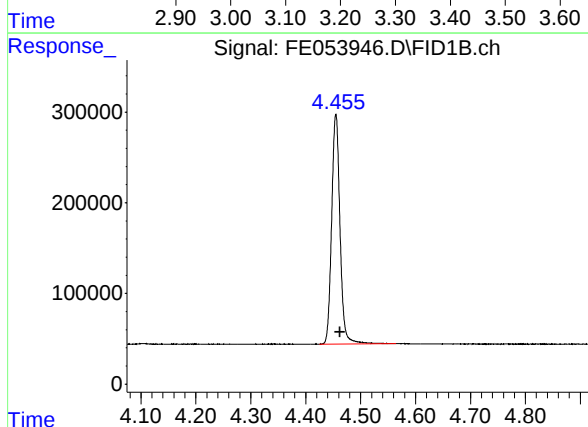
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2654214
Conc: 19.64 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

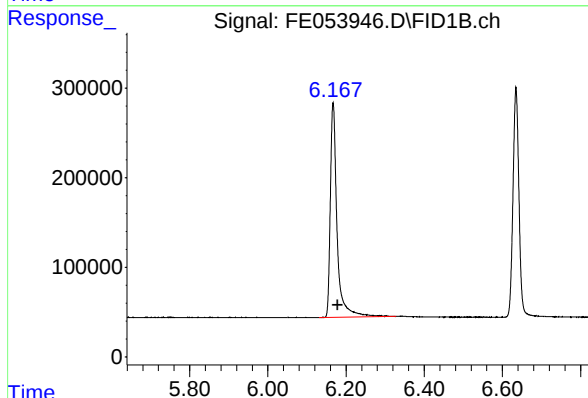
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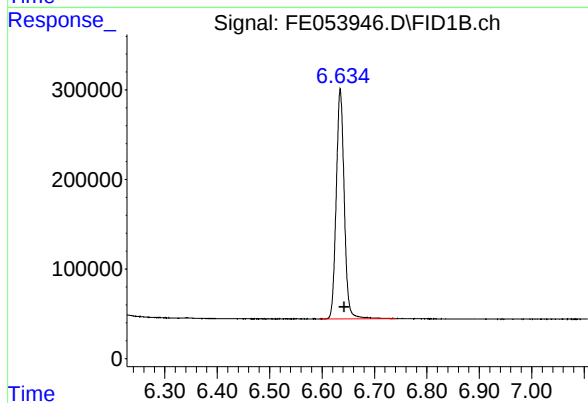
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.007 min
Response: 2687150
Conc: 19.89 ug/ml



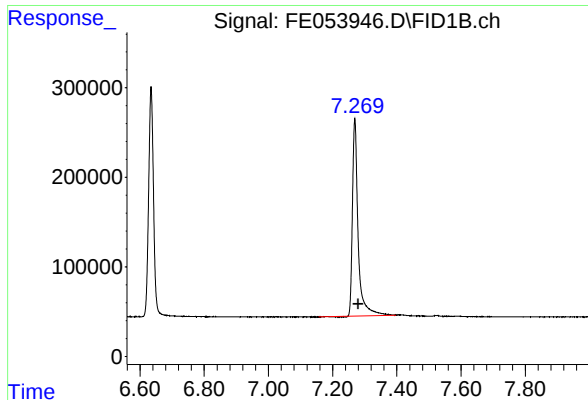
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: -0.011 min
Response: 2871133
Conc: 19.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2726268
Conc: 19.99 ug/ml



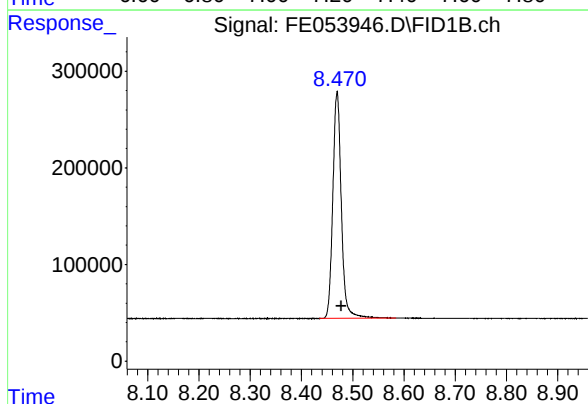
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.269 min
Delta R.T.: -0.011 min
Response: 2726020
Conc: 19.65 ug/ml

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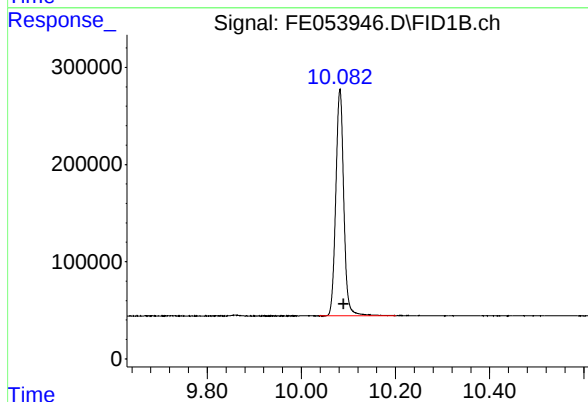
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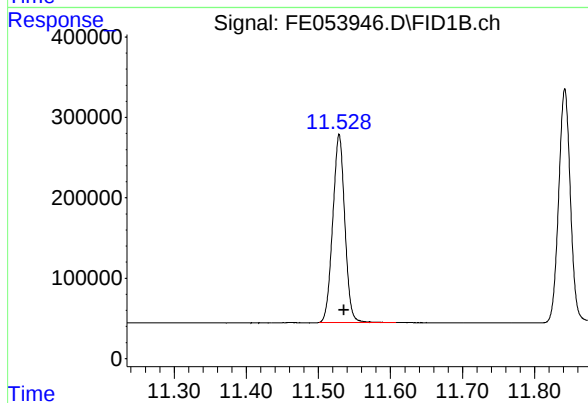
#6 n-Tetradecane (C14)

R.T.: 8.470 min
Delta R.T.: -0.008 min
Response: 2705392
Conc: 20.05 ug/ml



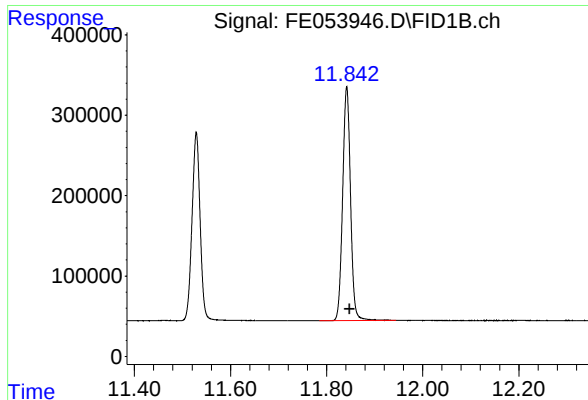
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.008 min
Response: 2740520
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.007 min
Response: 2718817
Conc: 20.19 ug/ml



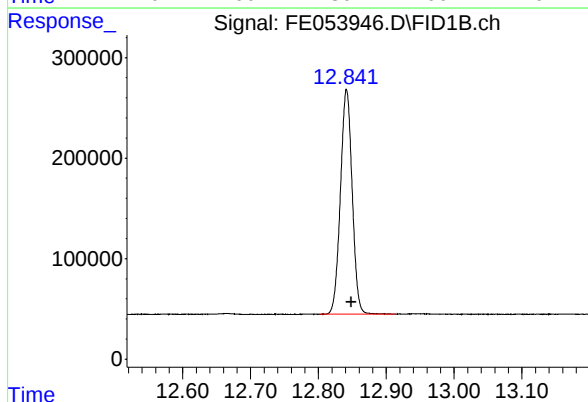
#9 ortho-Terphenyl (SURRE)

R.T.: 11.842 min
Delta R.T.: -0.007 min
Response: 3313505
Conc: 20.39 ug/ml

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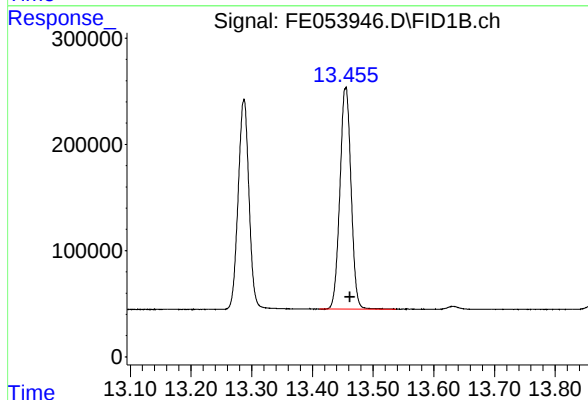
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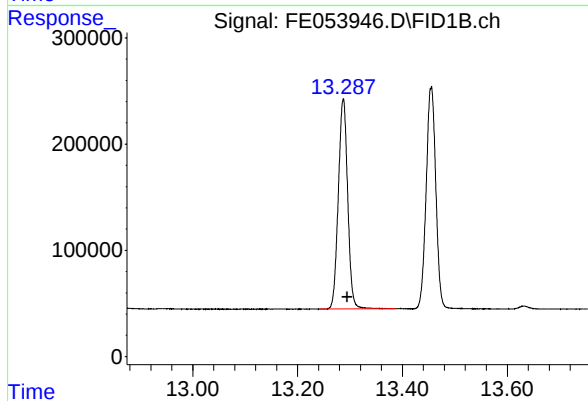
#10 n-Eicosane (C20)

R.T.: 12.842 min
Delta R.T.: -0.007 min
Response: 2688313
Conc: 20.45 ug/ml



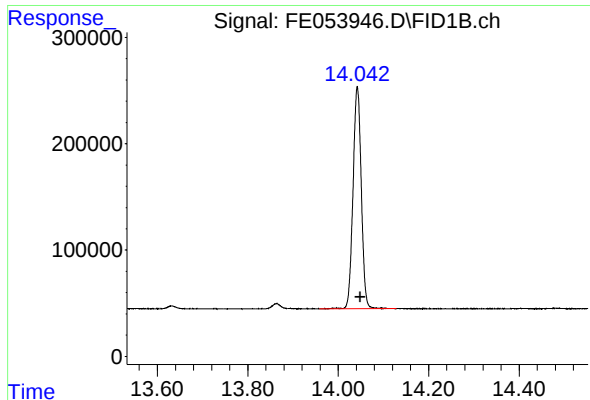
#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.007 min
Response: 2664851
Conc: 20.56 ug/ml



#12 1-chlorooctadecane (SURRE)

R.T.: 13.287 min
Delta R.T.: -0.008 min
Response: 2450061
Conc: 20.67 ug/ml



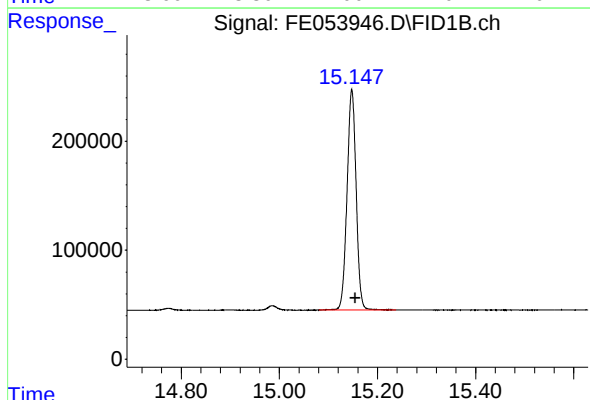
#13 n-Docosane (C22)

R.T.: 14.042 min
Delta R.T.: -0.007 min
Response: 2644979
Conc: 20.73 ug/ml

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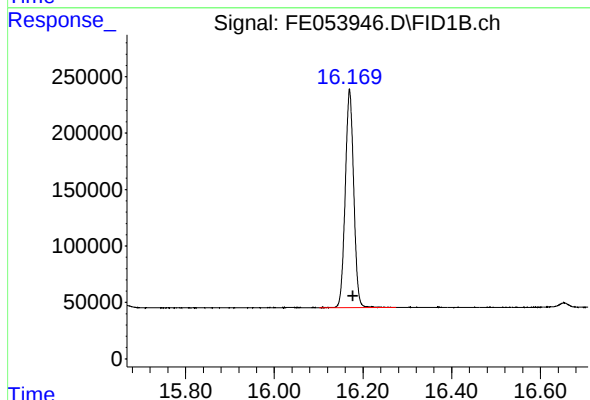
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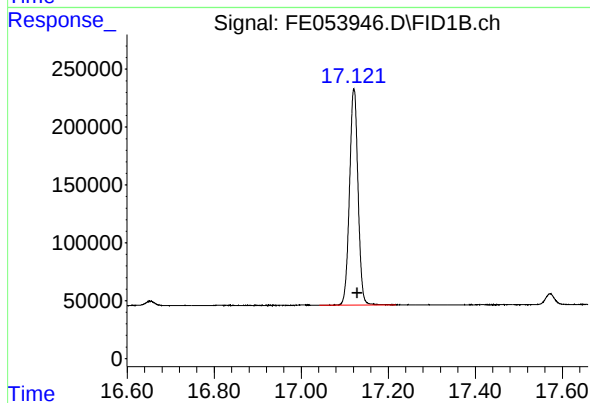
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.007 min
Response: 2607296
Conc: 20.84 ug/ml



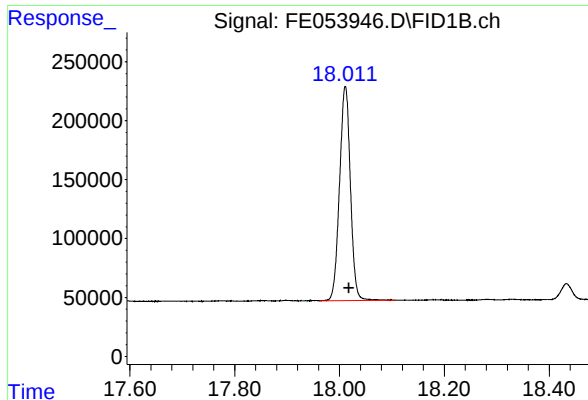
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 2560130
Conc: 20.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: -0.008 min
Response: 2536677
Conc: 20.87 ug/ml



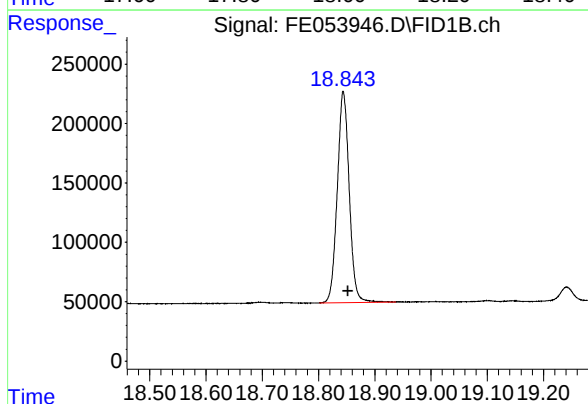
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.007 min
Response: 2608568
Conc: 20.94 ug/ml

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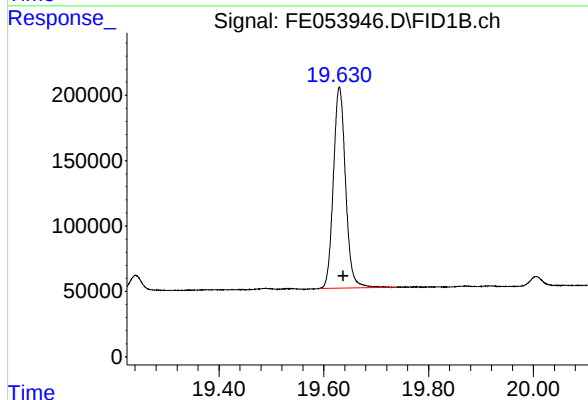
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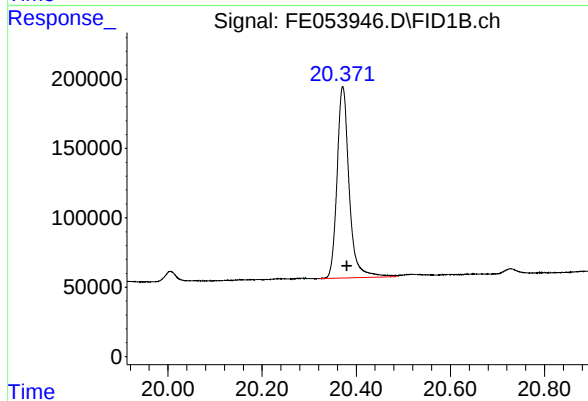
#18 n-Dotriacontane (C32)

R.T.: 18.844 min
Delta R.T.: -0.008 min
Response: 2618029
Conc: 20.94 ug/ml



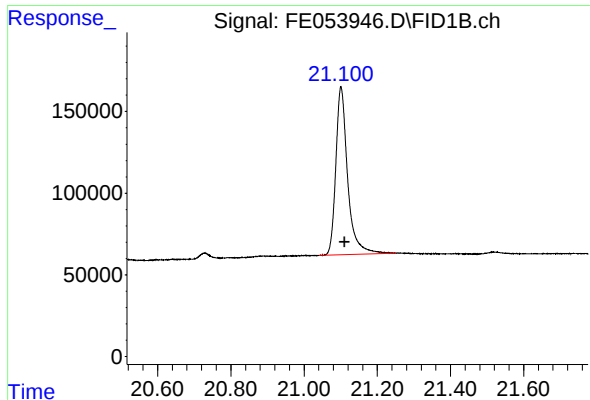
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.008 min
Response: 2485676
Conc: 20.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.009 min
Response: 2460775
Conc: 21.25 ug/ml



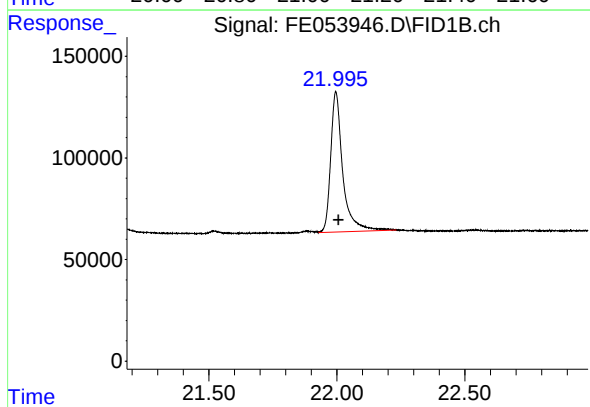
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.010 min
Response: 2306196
Conc: 21.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.995 min
Delta R.T.: -0.012 min
Response: 2277644
Conc: 22.95 ug/ml m