

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052025AL\
 Data File : FE053938.D
 Signal(s) : FID1B.ch
 Acq On : 20 May 2025 23:20
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 00:44:11 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)	11.844	3223157	19.833 ug/ml
Spiked Amount 50.000		Recovery =	39.67%
12) S 1-chlorooctadecane (S...	13.288	2385688	20.124 ug/ml
Spiked Amount 50.000		Recovery =	40.25%
Target Compounds			
1) T n-Nonane (C9)	3.194	2613168	19.335 ug/ml
2) T n-Decane (C10)	4.456	2637849	19.521 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2821639	19.634 ug/ml
4) T n-Dodecane (C12)	6.636	2674034	19.604 ug/ml
5) T A~2-methylnaphthalene...	7.270	2782909	20.063 ug/ml
6) T n-Tetradecane (C14)	8.471	2657961	19.696 ug/ml
7) T n-Hexadecane (C16)	10.083	2684939	19.898 ug/ml
8) T n-Octadecane (C18)	11.530	2665340	19.793 ug/ml
10) T n-Eicosane (C20)	12.843	2618879	19.926 ug/ml
11) T n-Heneicosane (C21)	13.456	2590381	19.981 ug/ml
13) T n-Docosane (C22)	14.044	2552371	20.007 ug/ml
14) T n-Tetracosane (C24)	15.149	2507364	20.040 ug/ml
15) T n-Hexacosane (C26)	16.172	2455664	20.054 ug/ml
16) T n-Octacosane (C28)	17.124	2437102	20.048 ug/ml
17) T n-Tricontane (C30)	18.013	2506539	20.122 ug/ml
18) T n-Dotriacontane (C32)	18.847	2538757	20.301 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2426499	20.370 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2390376	20.644 ug/ml
21) T n-Octatriacontane (C38)	21.104	2291772	21.059 ug/ml
22) T n-Tetracontane (C40)	21.997	2249595	22.670 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

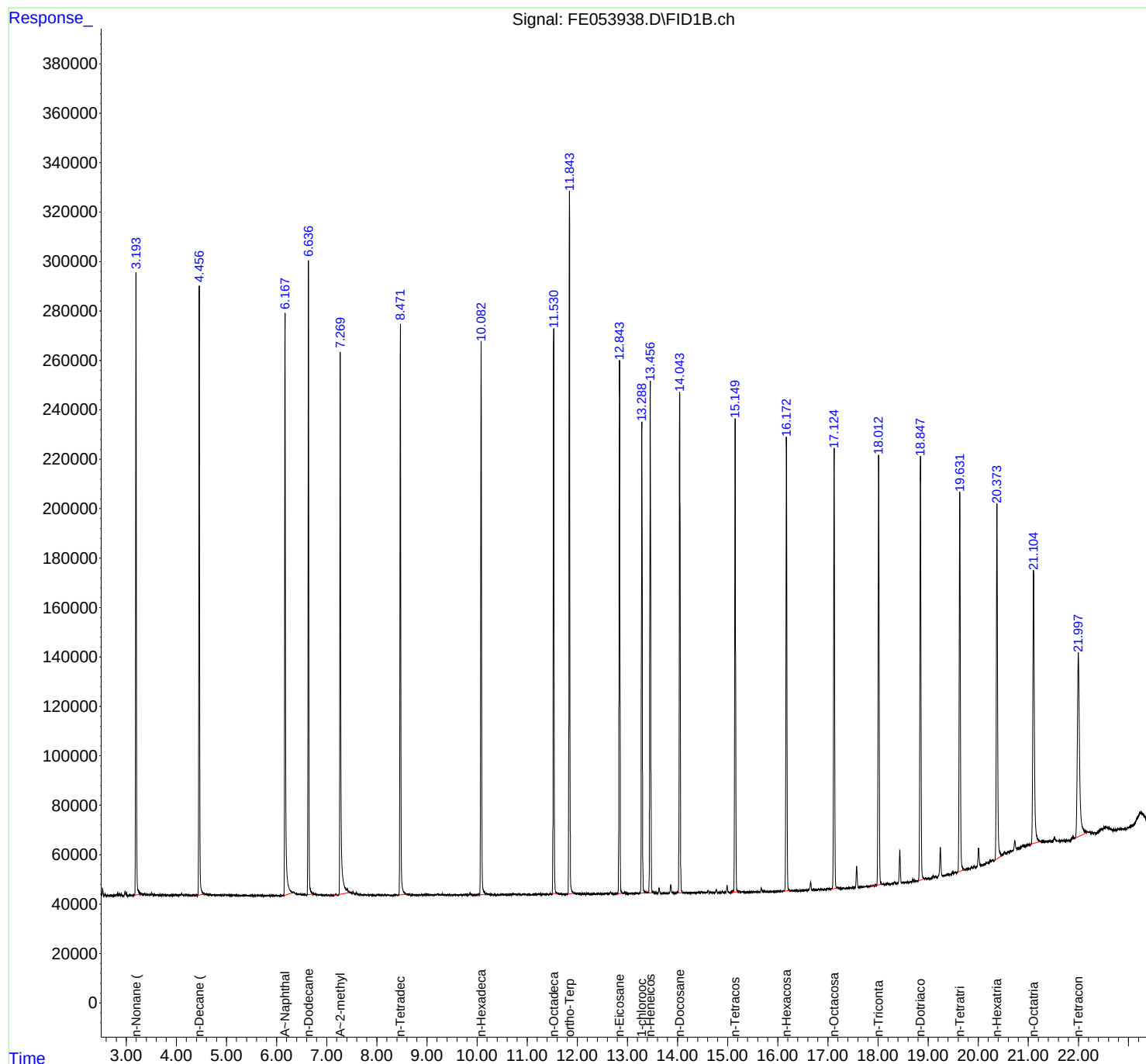
Instrument :
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20 PPM ALIPHATIC HC STD

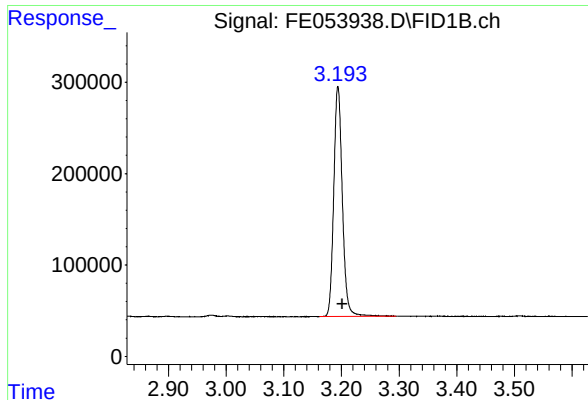
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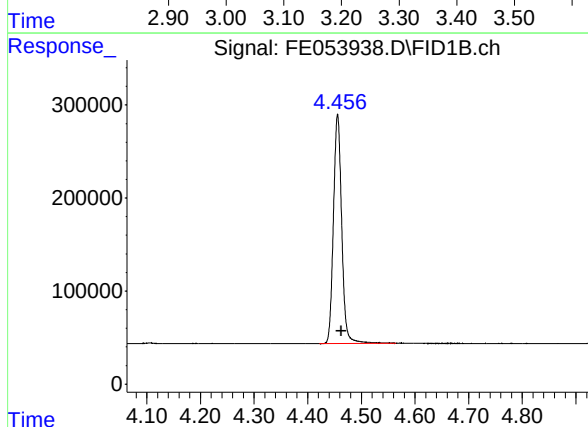
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2613168
Conc: 19.33 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

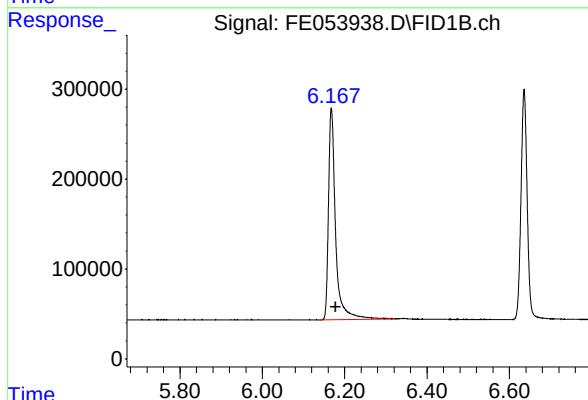
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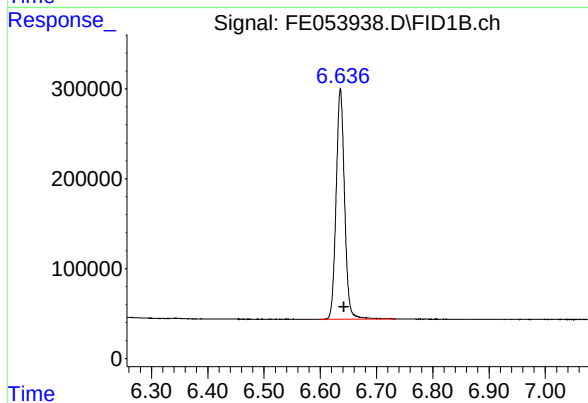
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.007 min
Response: 2637849
Conc: 19.52 ug/ml



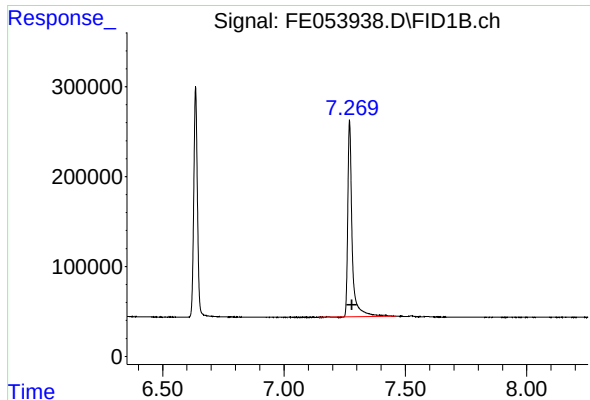
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.010 min
Response: 2821639
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.636 min
Delta R.T.: -0.006 min
Response: 2674034
Conc: 19.60 ug/ml



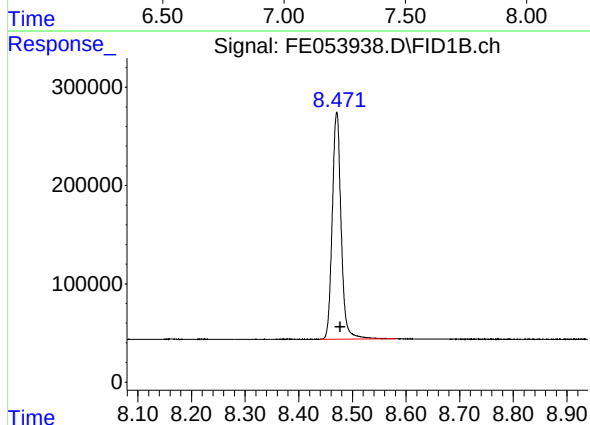
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.270 min
Delta R.T.: -0.010 min
Response: 2782909
Conc: 20.06 ug/ml

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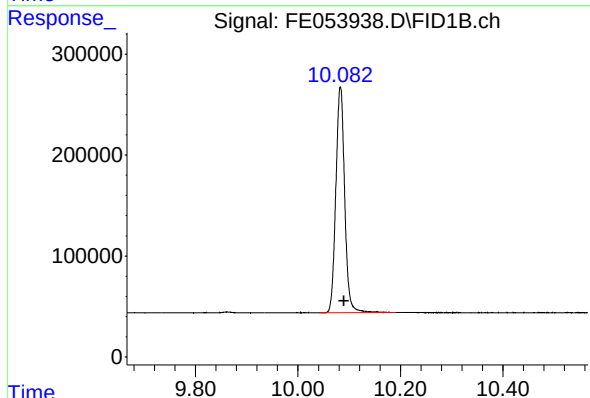
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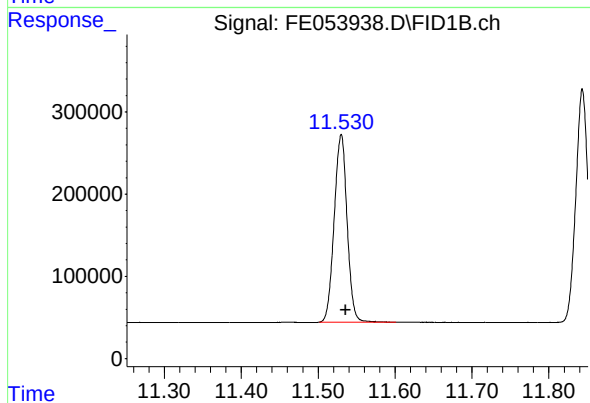
#6 n-Tetradecane (C14)

R.T.: 8.471 min
Delta R.T.: -0.006 min
Response: 2657961
Conc: 19.70 ug/ml



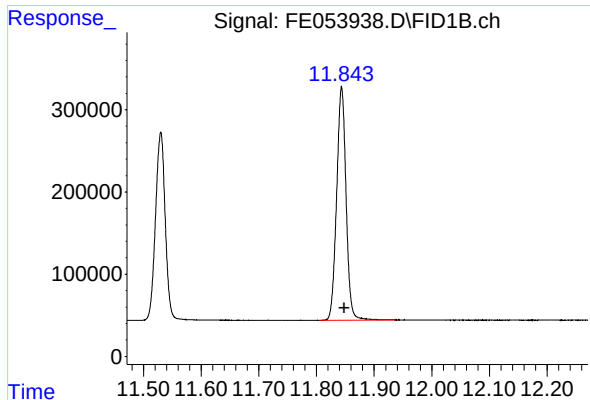
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.007 min
Response: 2684939
Conc: 19.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 2665340
Conc: 19.79 ug/ml



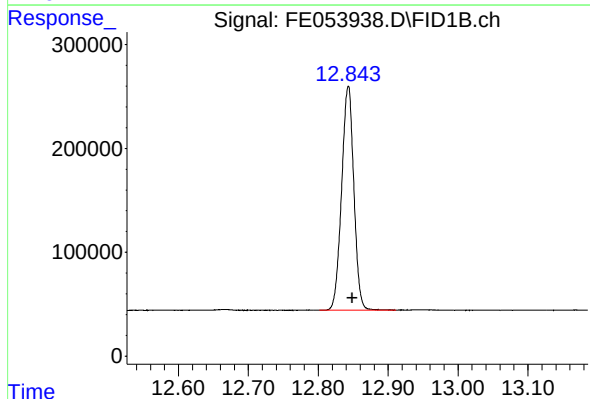
#9 ortho-Terphenyl (SURR)

R.T.: 11.844 min
Delta R.T.: -0.005 min
Response: 3223157
Conc: 19.83 ug/ml

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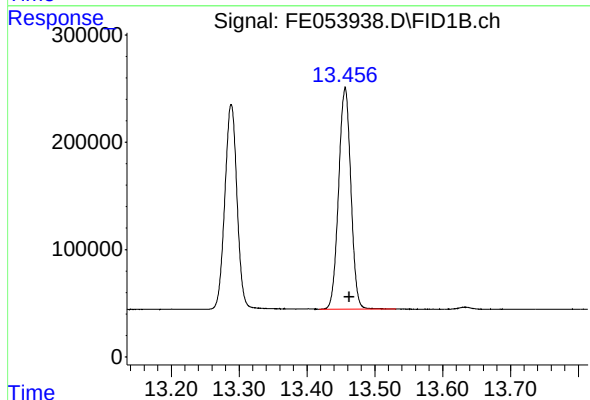
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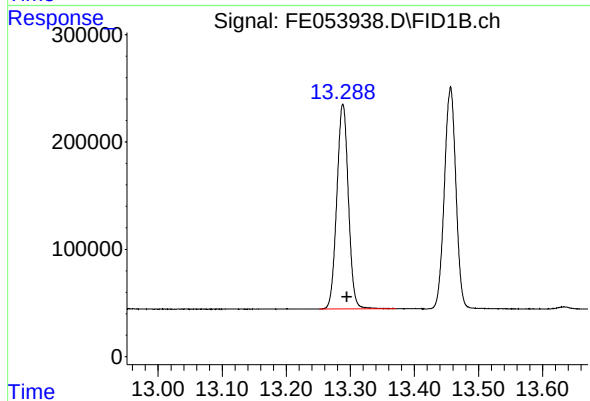
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.006 min
Response: 2618879
Conc: 19.93 ug/ml



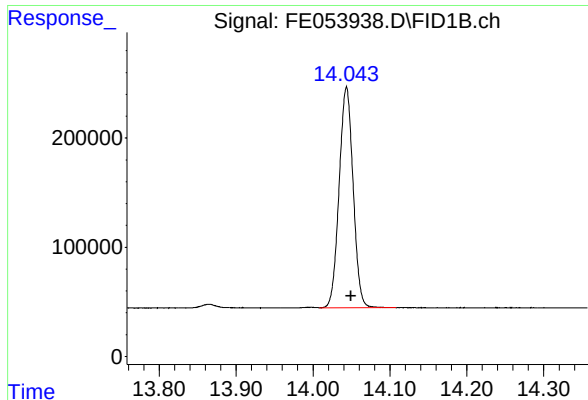
#11 n-Heneicosane (C21)

R.T.: 13.456 min
Delta R.T.: -0.006 min
Response: 2590381
Conc: 19.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.006 min
Response: 2385688
Conc: 20.12 ug/ml



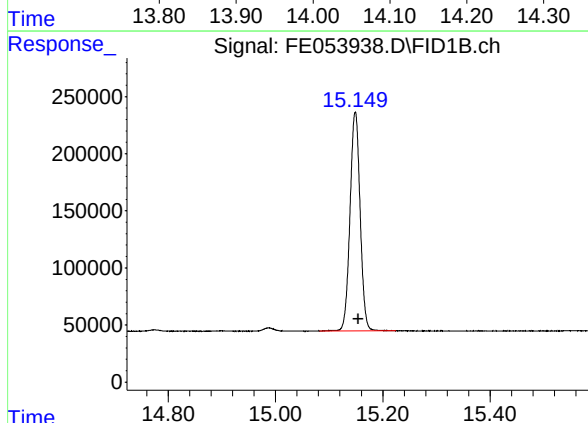
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.006 min
Response: 2552371
Conc: 20.01 ug/ml

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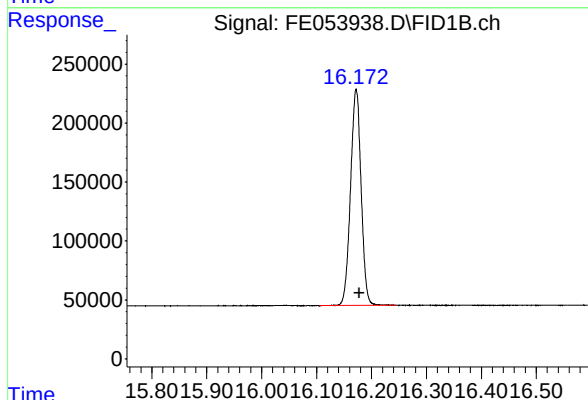
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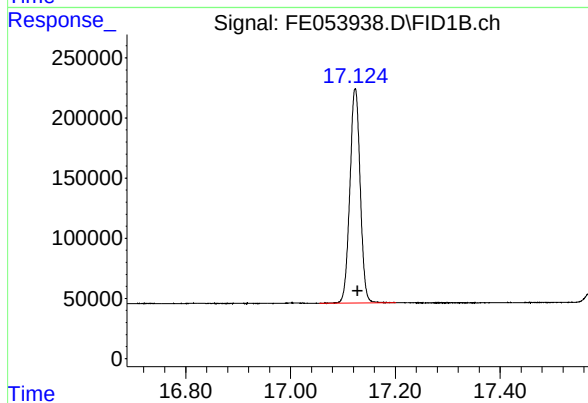
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.006 min
Response: 2507364
Conc: 20.04 ug/ml



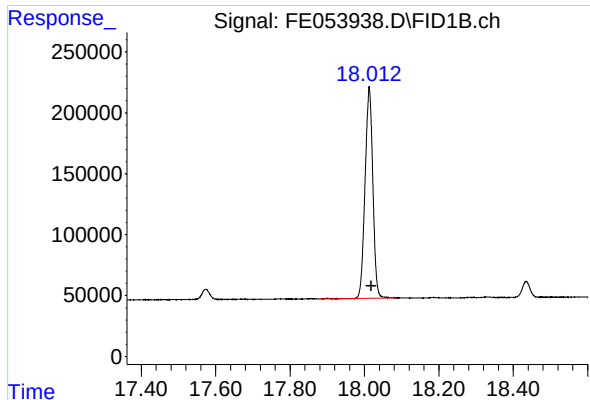
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.006 min
Response: 2455664
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.005 min
Response: 2437102
Conc: 20.05 ug/ml



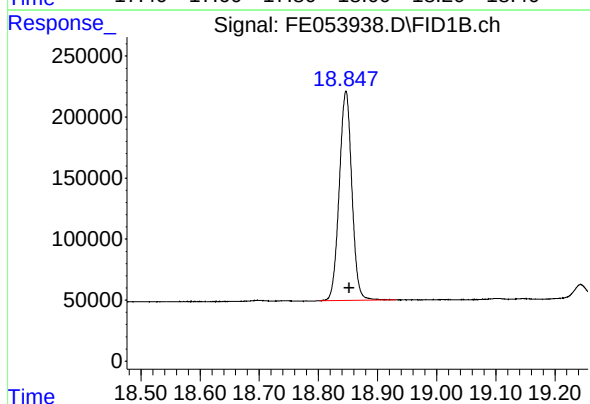
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.005 min
Response: 2506539
Conc: 20.12 ug/ml

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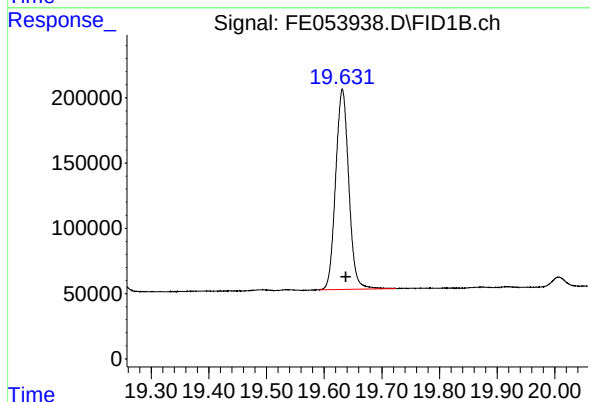
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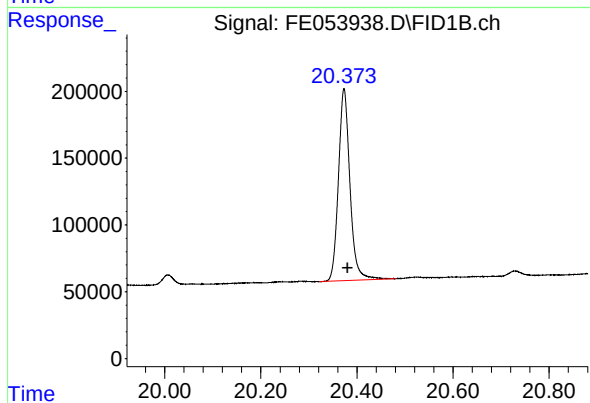
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.005 min
Response: 2538757
Conc: 20.30 ug/ml



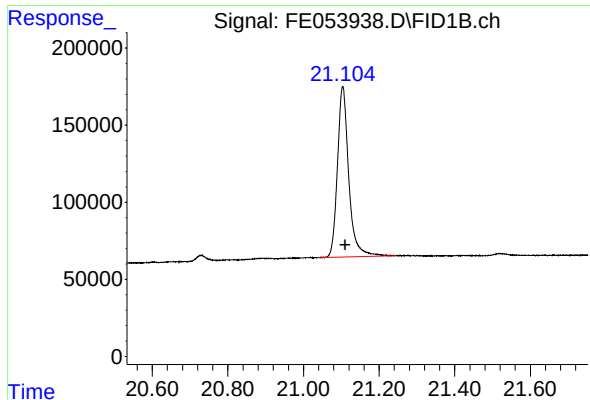
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.006 min
Response: 2426499
Conc: 20.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.007 min
Response: 2390376
Conc: 20.64 ug/ml



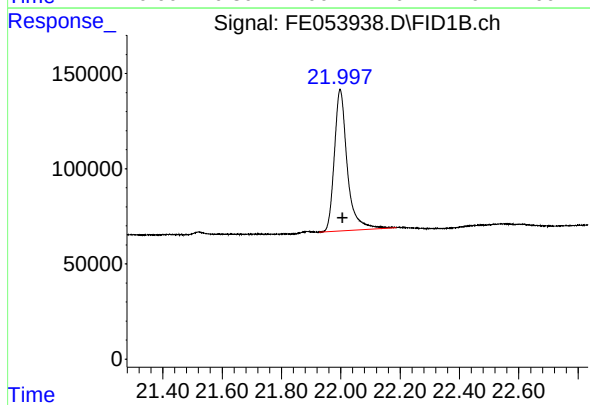
#21 n-Octatriacontane (C38)

R.T.: 21.104 min
Delta R.T.: -0.007 min
Response: 2291772
Conc: 21.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.010 min
Response: 2249595
Conc: 22.67 ug/ml m