

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AL\
 Data File : FD049004.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 19:42
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 05:05:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 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)	11.241	3334806	17.270 ug/ml
Spiked Amount 50.000		Recovery =	34.54%
12) S 1-chlorooctadecane (S...	12.683	2552155	17.387 ug/ml
Spiked Amount 50.000		Recovery =	34.77%
Target Compounds			
1) T n-Nonane (C9)	3.105	2732584	17.087 ug/ml
2) T n-Decane (C10)	4.150	2807836	17.220 ug/ml
3) T A~Naphthalene (C11.7)	5.698	2948136	17.251 ug/ml
4) T n-Dodecane (C12)	6.143	2855383	17.241 ug/ml
5) T A~2-methylnaphthalene...	6.745	2834445	17.584 ug/ml
6) T n-Tetradecane (C14)	7.924	2829978	17.118 ug/ml
7) T n-Hexadecane (C16)	9.513	2956832	17.149 ug/ml
8) T n-Octadecane (C18)	10.944	3035209	17.214 ug/mlm
10) T n-Eicosane (C20)	12.245	2969872	17.256 ug/ml
11) T n-Heneicosane (C21)	12.854	2941612	17.275 ug/ml
13) T n-Docosane (C22)	13.437	2971180	17.473 ug/ml
14) T n-Tetracosane (C24)	14.533	2991602	17.560 ug/ml
15) T n-Hexacosane (C26)	15.550	3005560	17.944 ug/ml
16) T n-Octacosane (C28)	16.494	3165105	19.027 ug/ml
17) T n-Tricontane (C30)	17.377	3518847	20.500 ug/ml
18) T n-Dotriacontane (C32)	18.206	3506359	21.448 ug/ml
19) T n-Tetratriacontane (C34)	18.984	2956244	21.219 ug/ml
20) T n-Hexatriacontane (C36)	19.720	2370529	20.615 ug/ml
21) T n-Octatriacontane (C38)	20.416	2059766	19.878 ug/ml
22) T n-Tetracontane (C40)	21.194	1845623	19.258 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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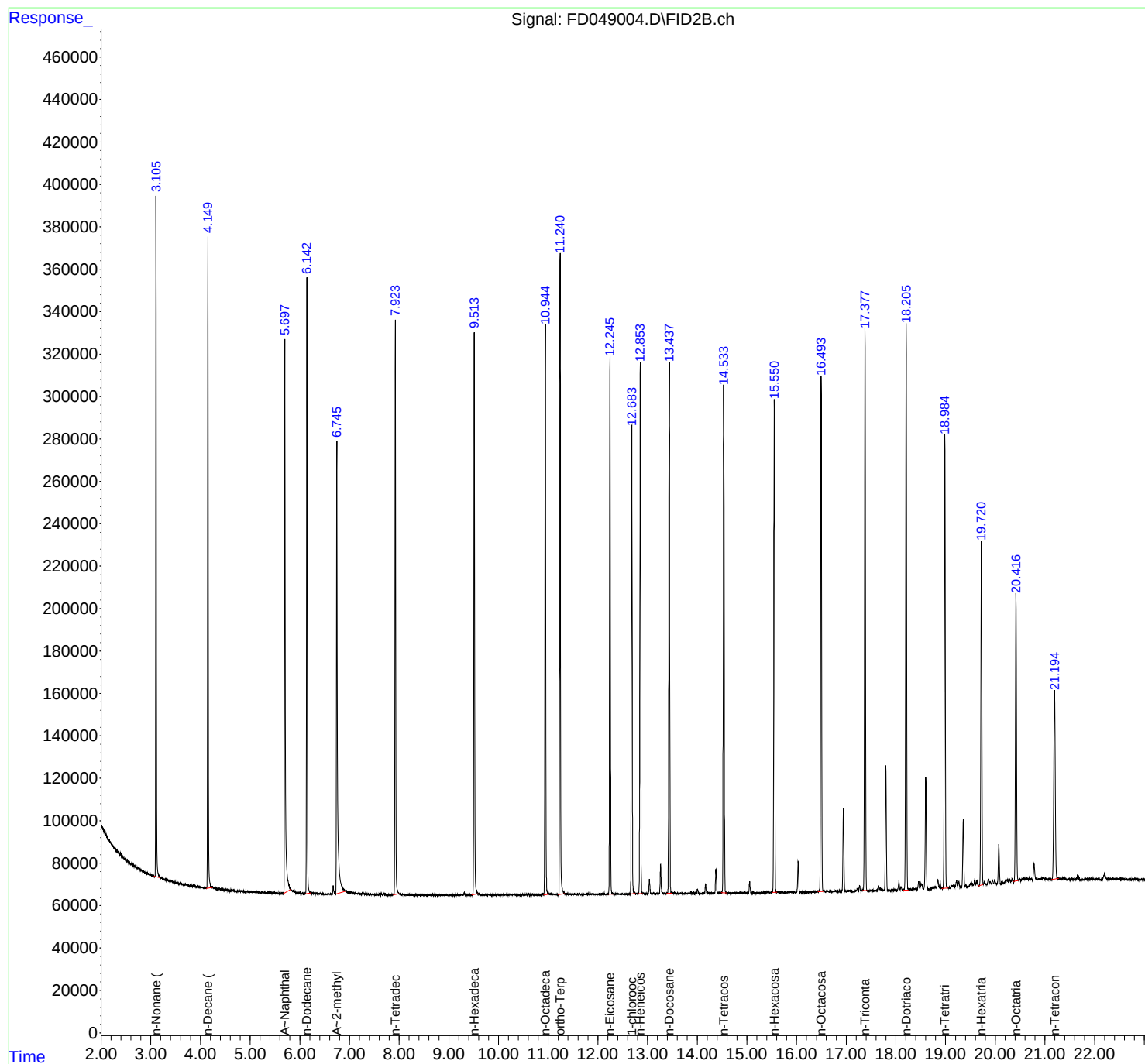
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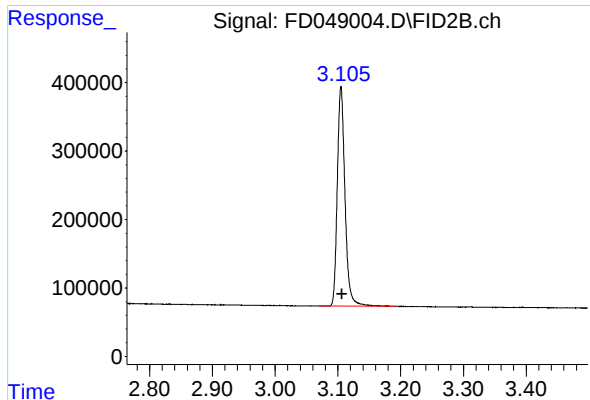
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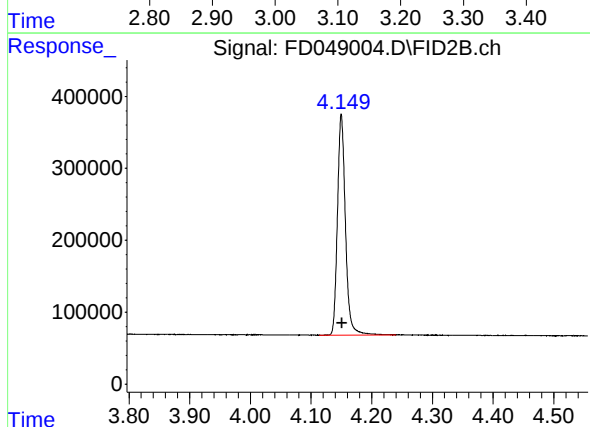
#1 n-Nonane (C9)

R.T.: 3.105 min
Delta R.T.: -0.002 min
Response: 2732584
Conc: 17.09 ug/ml

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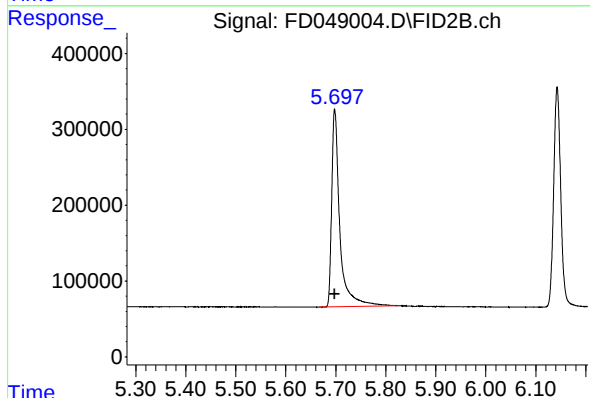
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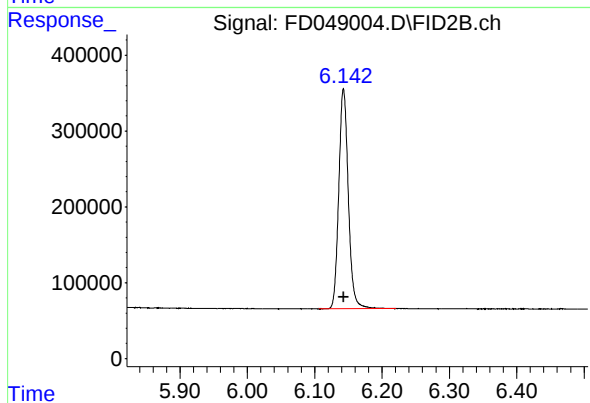
#2 n-Decane (C10)

R.T.: 4.150 min
Delta R.T.: -0.001 min
Response: 2807836
Conc: 17.22 ug/ml



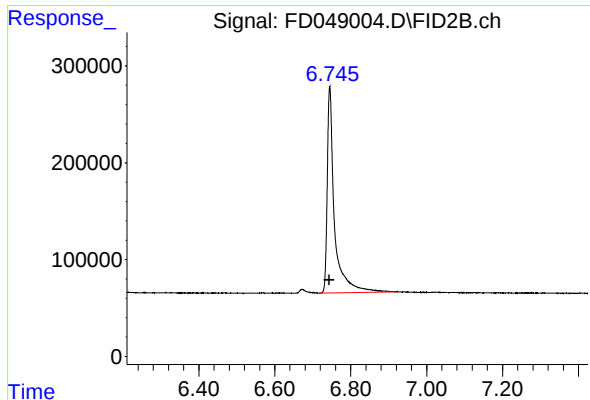
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 2948136
Conc: 17.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 2855383
Conc: 17.24 ug/ml



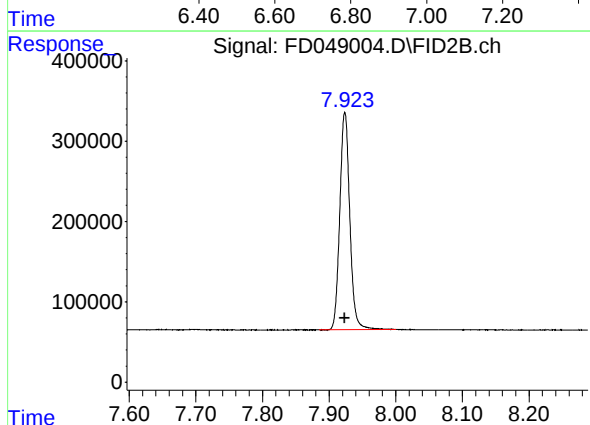
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 2834445
Conc: 17.58 ug/ml

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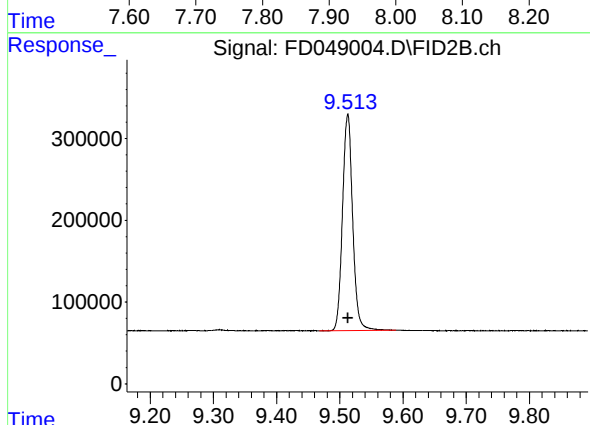
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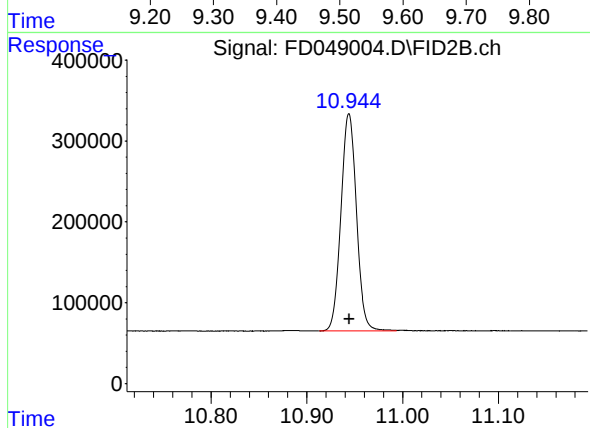
#6 n-Tetradecane (C14)

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 2829978
Conc: 17.12 ug/ml



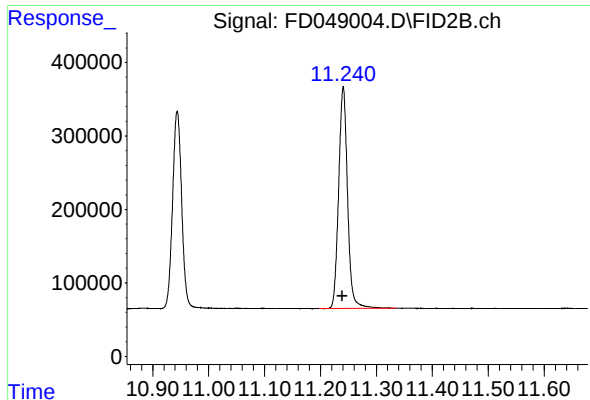
#7 n-Hexadecane (C16)

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 2956832
Conc: 17.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.944 min
Delta R.T.: 0.000 min
Response: 3035209
Conc: 17.21 ug/ml m



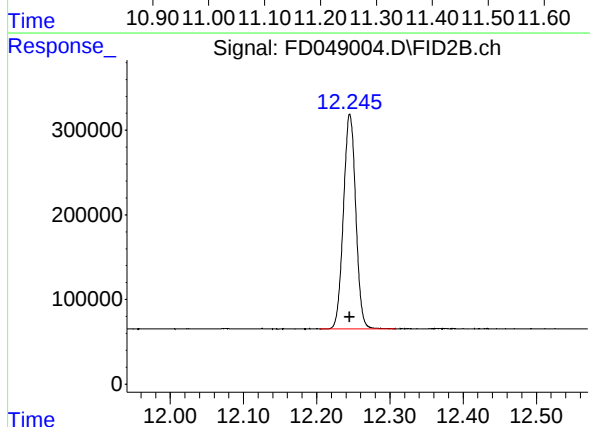
#9 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 3334806
Conc: 17.27 ug/ml

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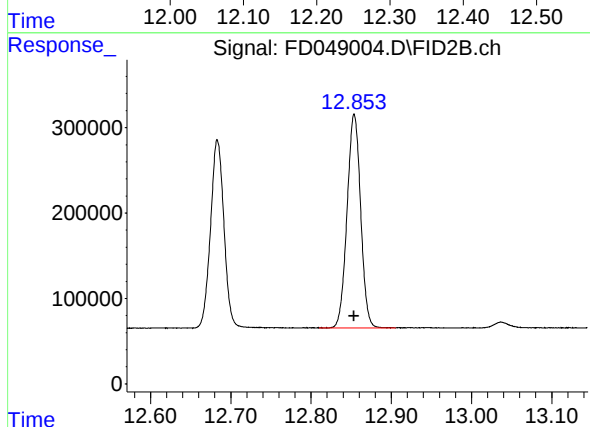
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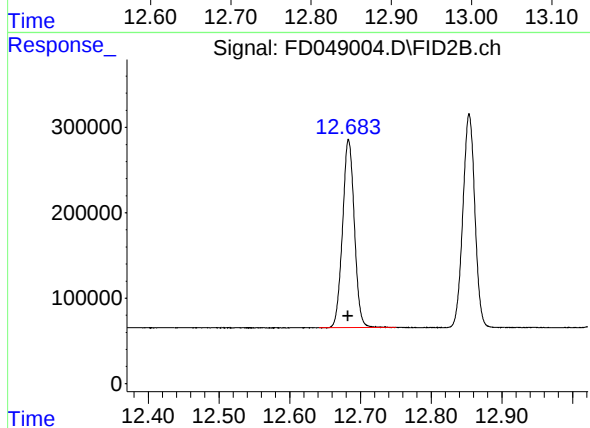
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 2969872
Conc: 17.26 ug/ml



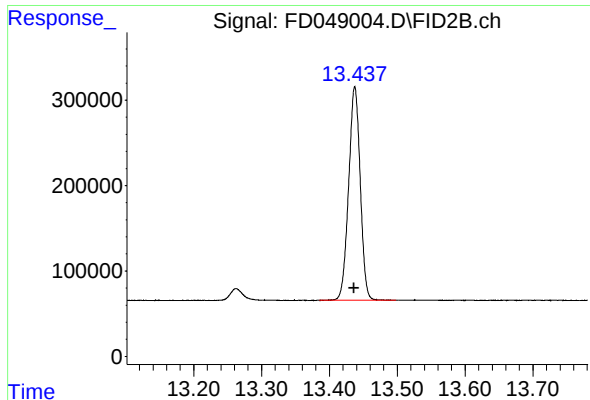
#11 n-Heneicosane (C21)

R.T.: 12.854 min
Delta R.T.: 0.000 min
Response: 2941612
Conc: 17.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.683 min
Delta R.T.: 0.000 min
Response: 2552155
Conc: 17.39 ug/ml



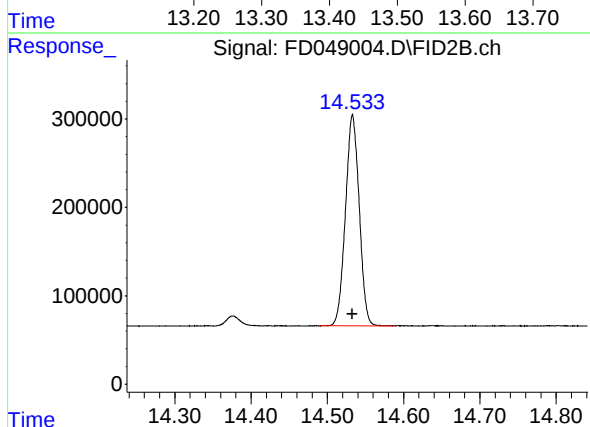
#13 n-Docosane (C22)

R.T.: 13.437 min
Delta R.T.: 0.001 min
Response: 2971180
Conc: 17.47 ug/ml

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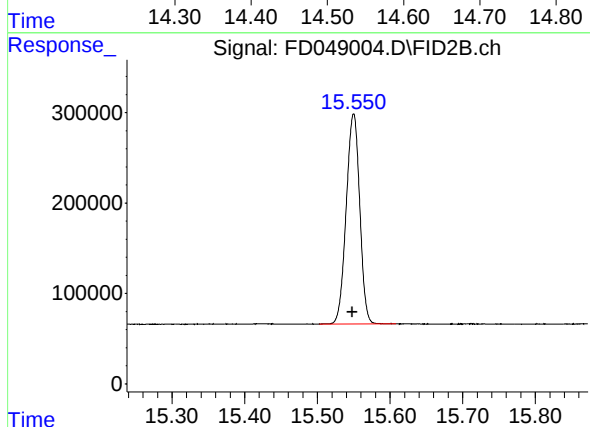
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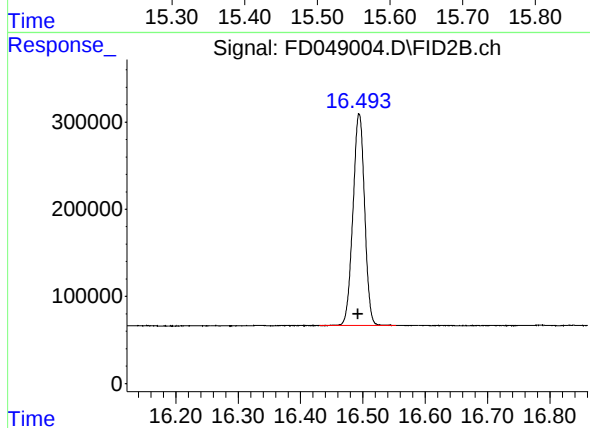
#14 n-Tetracosane (C24)

R.T.: 14.533 min
Delta R.T.: 0.000 min
Response: 2991602
Conc: 17.56 ug/ml



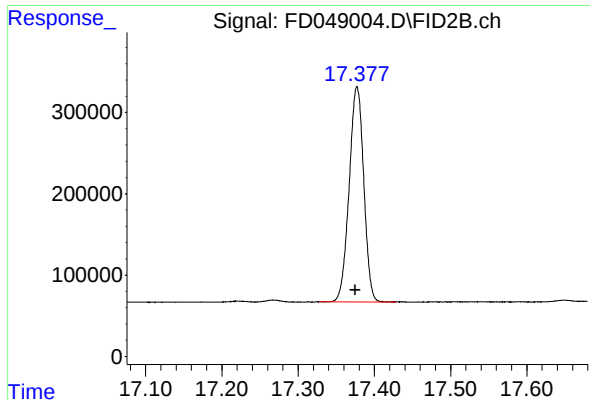
#15 n-Hexacosane (C26)

R.T.: 15.550 min
Delta R.T.: 0.002 min
Response: 3005560
Conc: 17.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.494 min
Delta R.T.: 0.002 min
Response: 3165105
Conc: 19.03 ug/ml



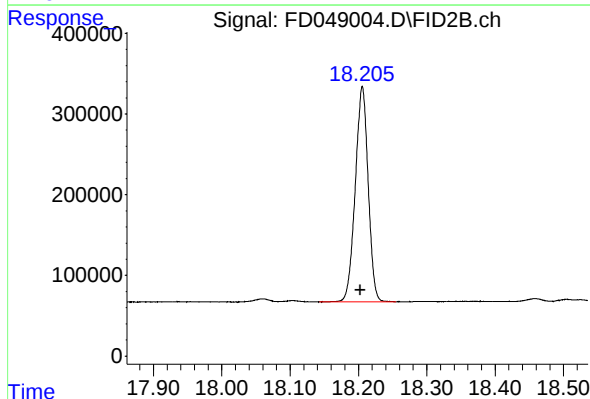
#17 n-Tricontane (C30)

R.T.: 17.377 min
Delta R.T.: 0.002 min
Response: 3518847
Conc: 20.50 ug/ml

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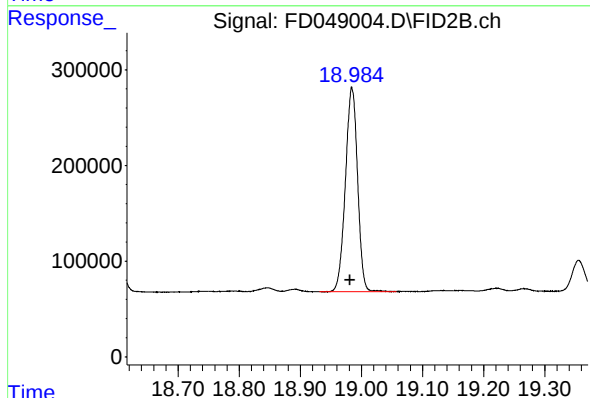
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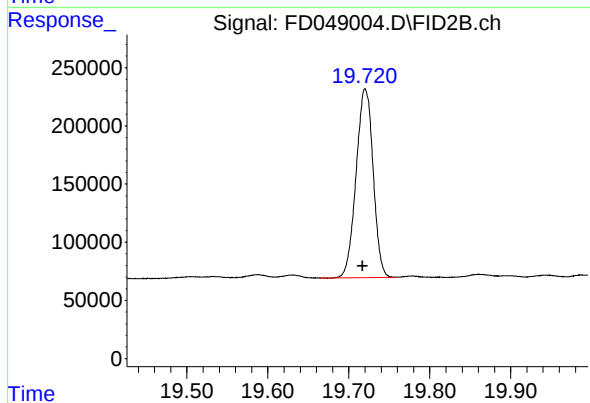
#18 n-Dotriacontane (C32)

R.T.: 18.206 min
Delta R.T.: 0.003 min
Response: 3506359
Conc: 21.45 ug/ml



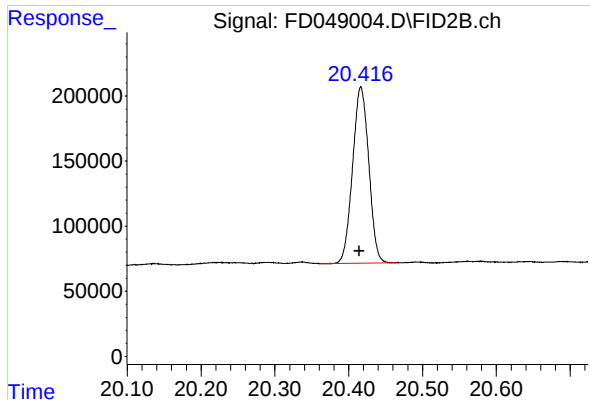
#19 n-Tetatriacontane (C34)

R.T.: 18.984 min
Delta R.T.: 0.003 min
Response: 2956244
Conc: 21.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.720 min
Delta R.T.: 0.003 min
Response: 2370529
Conc: 20.62 ug/ml



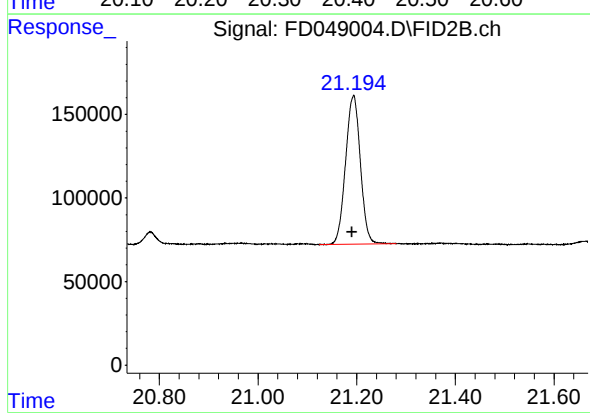
#21 n-Octatriacontane (C38)

R.T.: 20.416 min
Delta R.T.: 0.002 min
Response: 2059766
Conc: 19.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.194 min
Delta R.T.: 0.003 min
Response: 1845623
Conc: 19.26 ug/ml