

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041525AL\
 Data File : FE053377.D
 Signal(s) : FID1B.ch
 Acq On : 15 Apr 2025 18:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2025
 Supervised By :mohammad ahmed 04/17/2025

Integration File: autoint1.e
 Quant Time: Apr 15 22:34:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.892	3450525	21.184 ug/ml
Spiked Amount 50.000		Recovery =	42.37%
12) S 1-chlorooctadecane (S...	13.338	2570557	21.413 ug/ml
Spiked Amount 50.000		Recovery =	42.83%
Target Compounds			
1) T n-Nonane (C9)	3.232	3337892	21.557 ug/ml
2) T n-Decane (C10)	4.494	3407855	21.726 ug/ml
3) T A~Naphthalene (C11.7)	6.208	3609390	21.486 ug/ml
4) T n-Dodecane (C12)	6.675	3421685	21.878 ug/ml
5) T A~2-methylnaphthalene...	7.311	3420612	21.438 ug/ml
6) T n-Tetradecane (C14)	8.513	3350799	21.884 ug/ml
7) T n-Hexadecane (C16)	10.128	3363608	21.821 ug/ml
8) T n-Octadecane (C18)	11.577	3274403	21.590 ug/ml
10) T n-Eicosane (C20)	12.892	3053277	21.415 ug/ml
11) T n-Heneicosane (C21)	13.506	2965064	21.367 ug/ml
13) T n-Docosane (C22)	14.094	2939180	21.461 ug/ml
14) T n-Tetracosane (C24)	15.201	2932720	21.714 ug/ml
15) T n-Hexacosane (C26)	16.226	2924650	21.923 ug/ml
16) T n-Octacosane (C28)	17.178	2954029	22.384 ug/ml
17) T n-Tricontane (C30)	18.068	3082915	22.745 ug/ml
18) T n-Dotriacontane (C32)	18.903	3122920	23.208 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2885570	22.300 ug/ml
20) T n-Hexatriacontane (C36)	20.430	2421352	20.383 ug/ml
21) T n-Octatriacontane (C38)	21.169	2052140	17.855 ug/ml
22) T n-Tetracontane (C40)	22.086	1947810	17.343 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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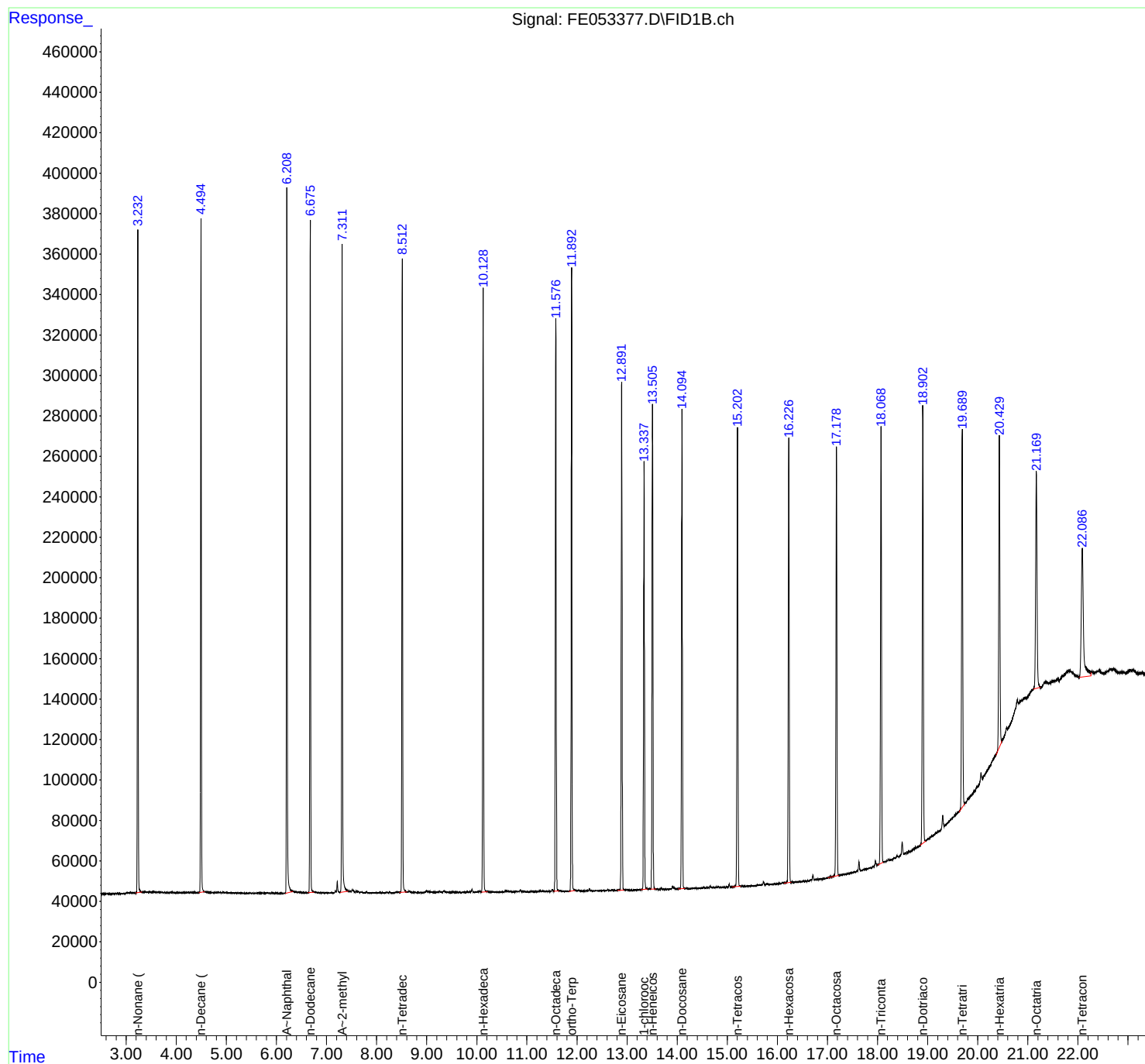
Instrument :
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20 PPM ALIPHATIC HC STD

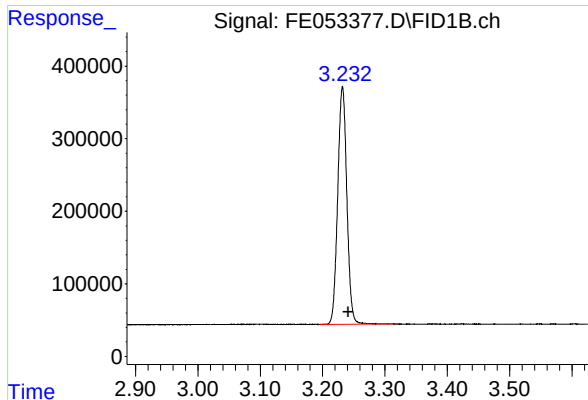
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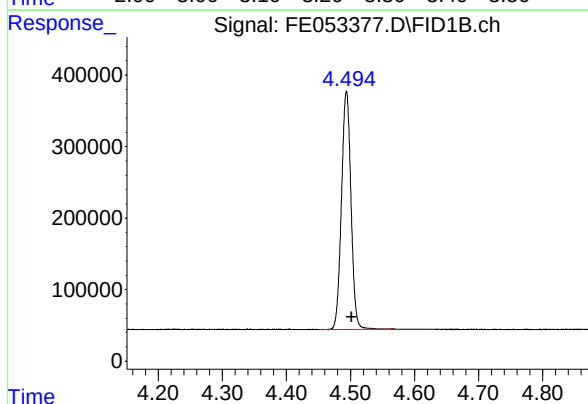
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.009 min
Response: 3337892
Conc: 21.56 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

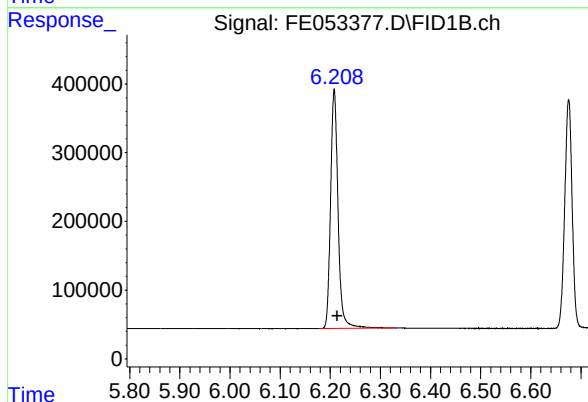
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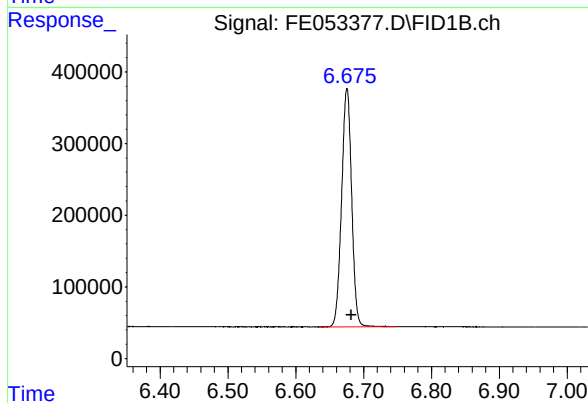
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 3407855
Conc: 21.73 ug/ml



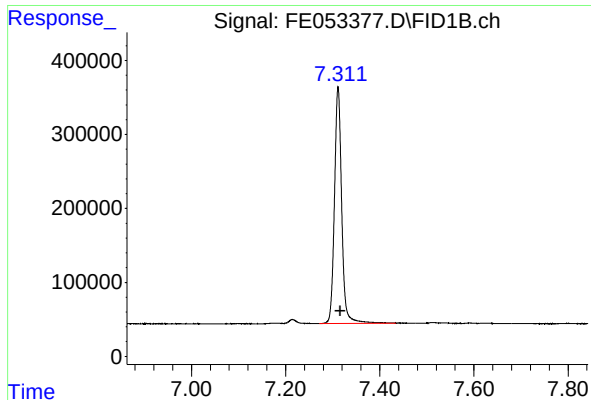
#3 A~Naphthalene (C11.7)

R.T.: 6.208 min
Delta R.T.: -0.006 min
Response: 3609390
Conc: 21.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.007 min
Response: 3421685
Conc: 21.88 ug/ml



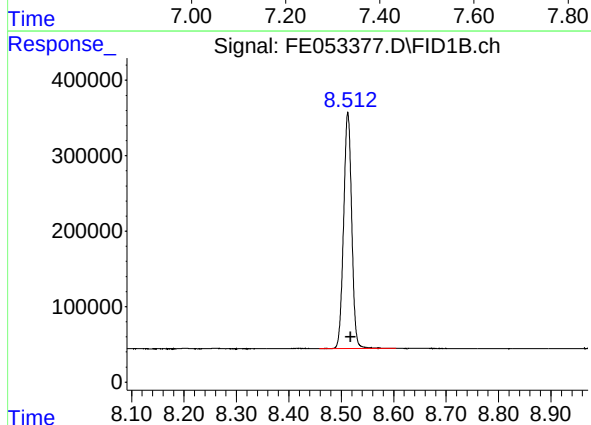
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.005 min
Response: 3420612
Conc: 21.44 ug/ml

Instrument :
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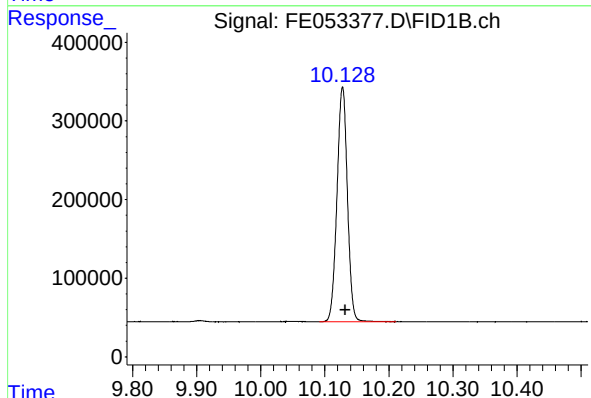
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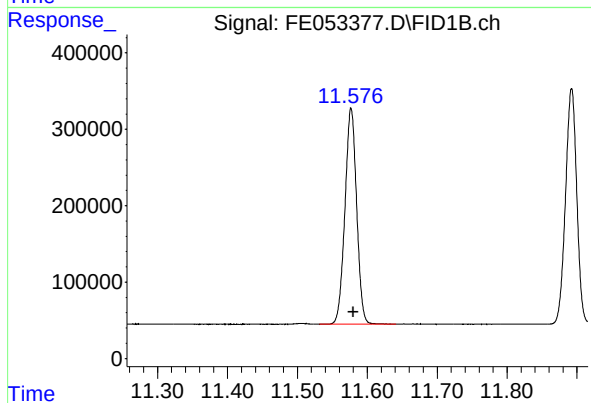
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.005 min
Response: 3350799
Conc: 21.88 ug/ml



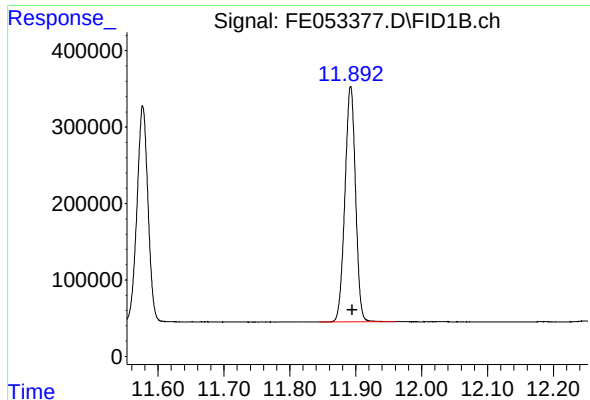
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: -0.004 min
Response: 3363608
Conc: 21.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.577 min
Delta R.T.: -0.003 min
Response: 3274403
Conc: 21.59 ug/ml



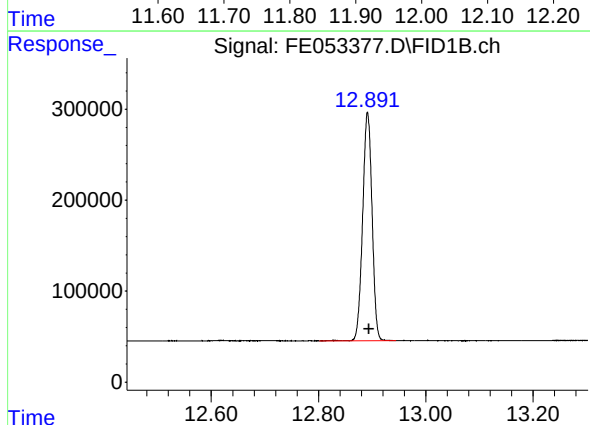
#9 ortho-Terphenyl (SURR)

R.T.: 11.892 min
Delta R.T.: -0.003 min
Response: 3450525
Conc: 21.18 ug/ml

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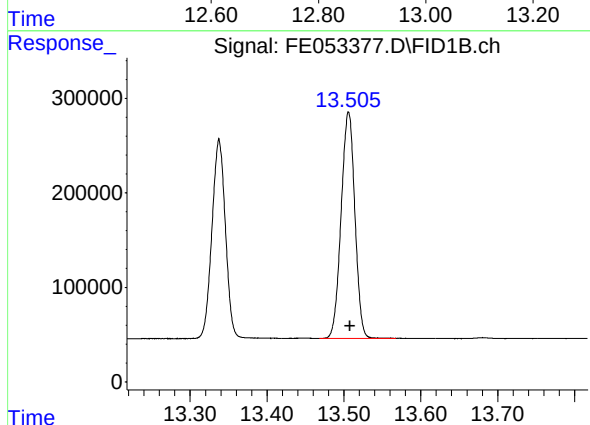
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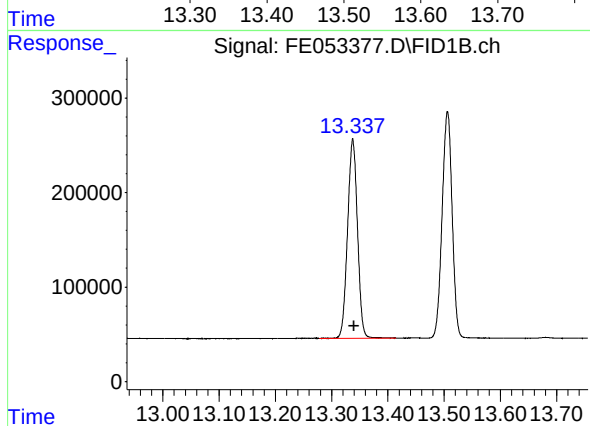
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.003 min
Response: 3053277
Conc: 21.42 ug/ml



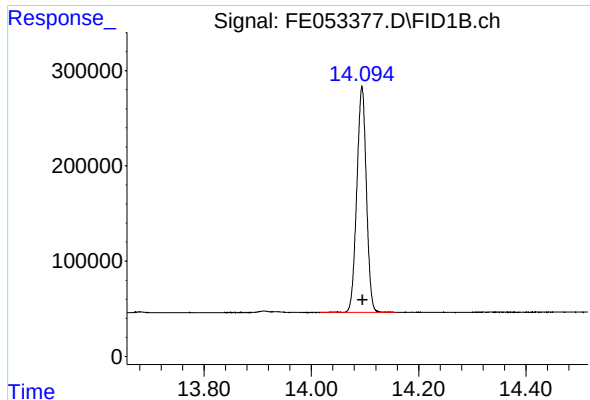
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.002 min
Response: 2965064
Conc: 21.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.338 min
Delta R.T.: -0.002 min
Response: 2570557
Conc: 21.41 ug/ml



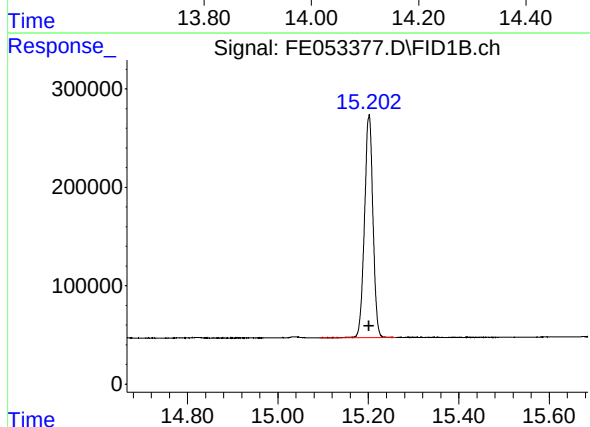
#13 n-Docosane (C22)

R.T.: 14.094 min
Delta R.T.: -0.001 min
Response: 2939180
Conc: 21.46 ug/ml

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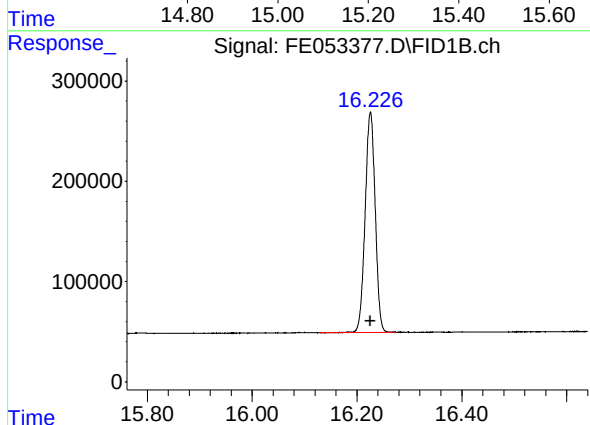
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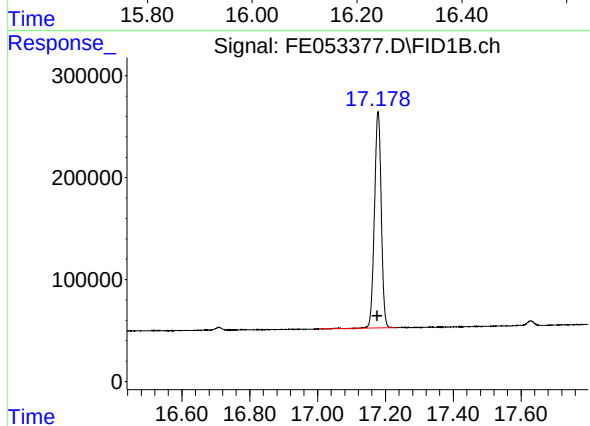
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2932720
Conc: 21.71 ug/ml



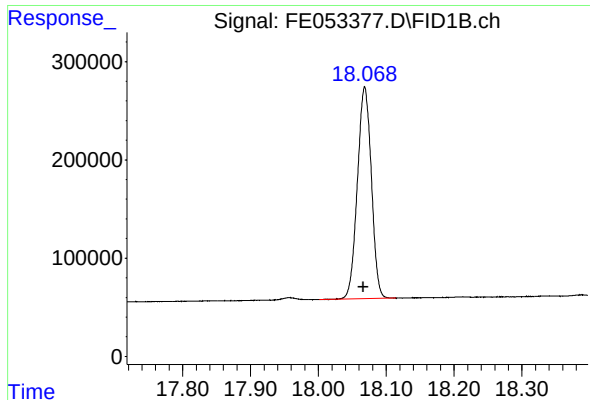
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: 0.000 min
Response: 2924650
Conc: 21.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min
Delta R.T.: 0.002 min
Response: 2954029
Conc: 22.38 ug/ml



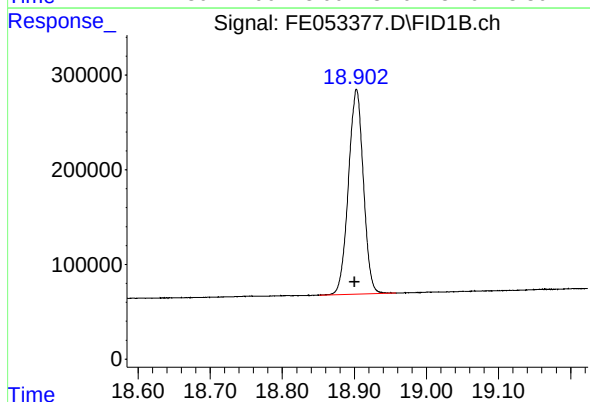
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: 0.002 min
Response: 3082915
Conc: 22.75 ug/ml

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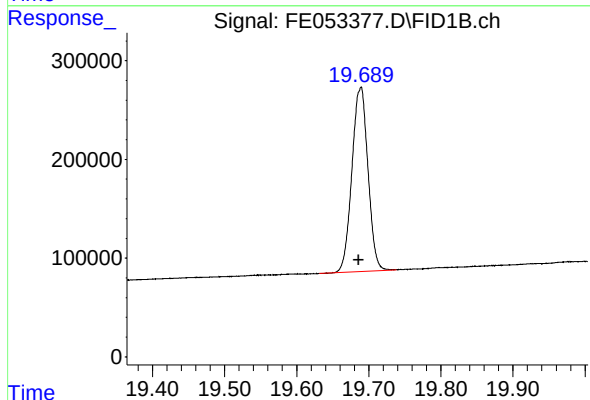
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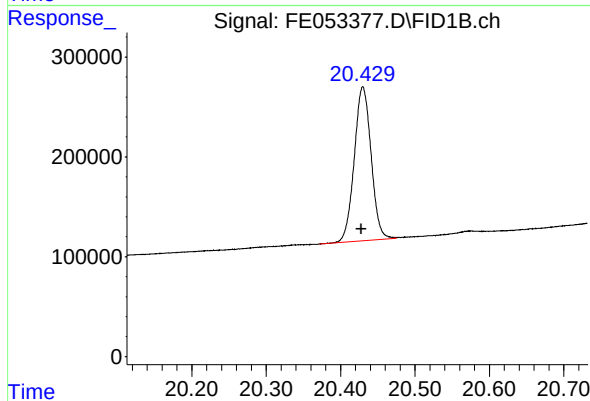
#18 n-Dotriacontane (C32)

R.T.: 18.903 min
Delta R.T.: 0.002 min
Response: 3122920
Conc: 23.21 ug/ml



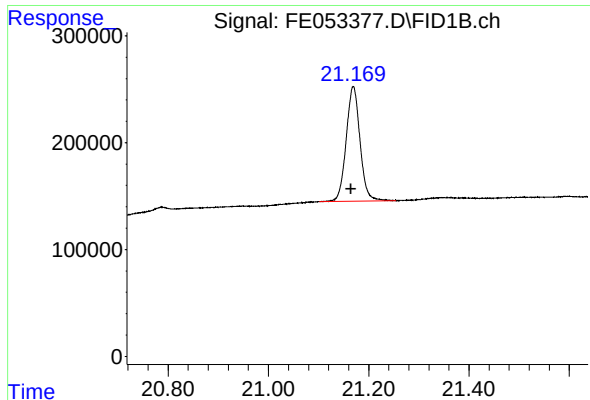
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: 0.002 min
Response: 2885570
Conc: 22.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.430 min
Delta R.T.: 0.002 min
Response: 2421352
Conc: 20.38 ug/ml



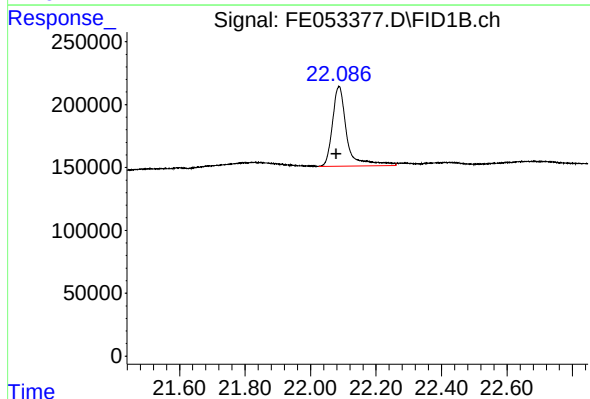
#21 n-Octatriacontane (C38)

R.T.: 21.169 min
Delta R.T.: 0.004 min
Response: 2052140
Conc: 17.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.086 min
Delta R.T.: 0.008 min
Response: 1947810
Conc: 17.34 ug/ml m