

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031925AL\
 Data File : FE052866.D
 Signal(s) : FID1B.ch
 Acq On : 19 Mar 2025 16:33
 Operator : YP\AJ
 Sample : Q1598-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

72-11944MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 20 01:42:29 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M

Quant Title : GC Extractables

QLast Update : Mon Mar 03 13:39:39 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)	11.924	8105411	48.079 ug/mlm
Spiked Amount 50.000		Recovery =	96.16%
12) S 1-chlorooctadecane (S...	13.374	5128046	42.232 ug/mlm
Spiked Amount 50.000		Recovery =	84.46%
Target Compounds			
1) T n-Nonane (C9)	3.249	5081057	32.770 ug/ml
2) T n-Decane (C10)	4.511	5775171	36.762 ug/ml
3) T A~Naphthalene (C11.7)	6.223	7036168	41.489 ug/ml
4) T n-Dodecane (C12)	6.691	6941326	44.582 ug/ml
5) T A~2-methylnaphthalene...	7.326	6903873	42.601 ug/ml
6) T n-Tetradecane (C14)	8.532	7561059	49.971 ug/mlm
7) T n-Hexadecane (C16)	10.153	7268321	47.540 ug/mlm
8) T n-Octadecane (C18)	11.611	7466062	49.073 ug/mlm
10) T n-Eicosane (C20)	12.929	7229109	49.796 ug/mlm
11) T n-Heneicosane (C21)	13.542	6722022	47.229 ug/mlm
13) T n-Docosane (C22)	14.129	7746480	54.434 ug/mlm
14) T n-Tetracosane (C24)	15.225	13994830	97.792 ug/mlm
15) T n-Hexacosane (C26)	16.249	6767524	47.594 ug/mlm
16) T n-Octacosane (C28)	17.195	6981237	49.096 ug/mlm
17) T n-Tricontane (C30)	18.087	6939427	46.983 ug/mlm
18) T n-Dotriacontane (C32)	18.919	6927665	47.718 ug/ml
19) T n-Tetratriacontane (C34)	19.704	7035973	52.204 ug/ml
20) T n-Hexatriacontane (C36)	20.446	6873827	57.849 ug/ml
21) T n-Octatriacontane (C38)	21.189	6956290	62.705 ug/ml
22) T n-Tetracontane (C40)	22.110	7084112	65.523 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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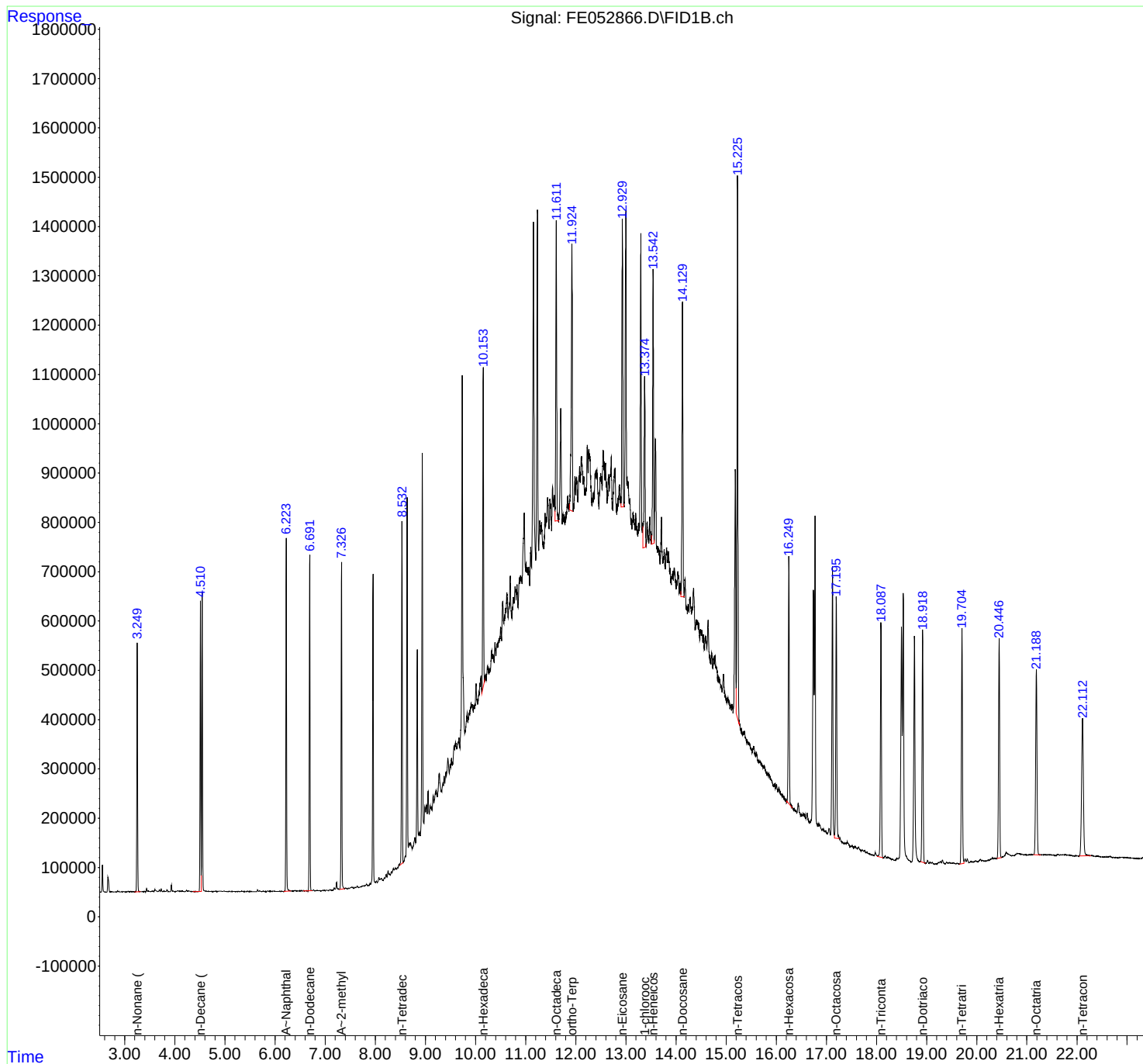
Response via : Initial Calibration

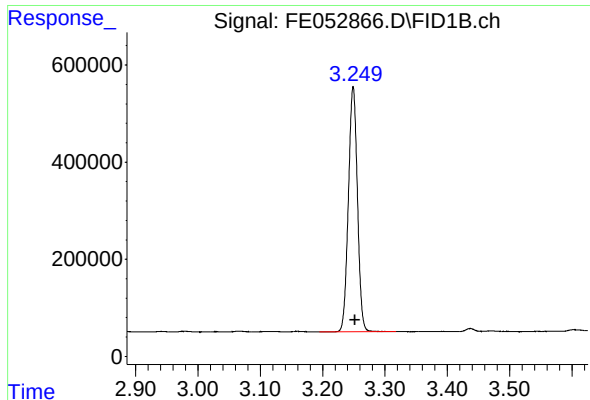
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





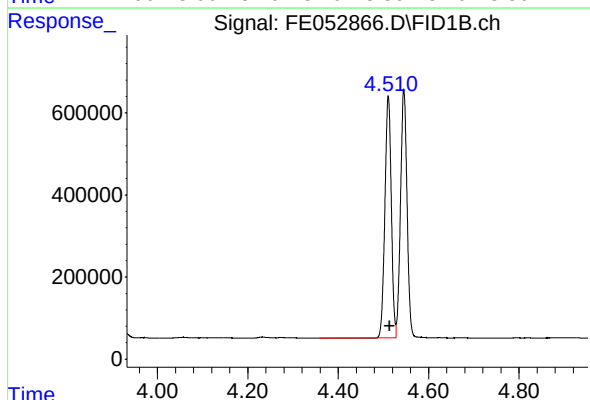
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.003 min
Response: 5081057
Conc: 32.77 ug/ml

Instrument :
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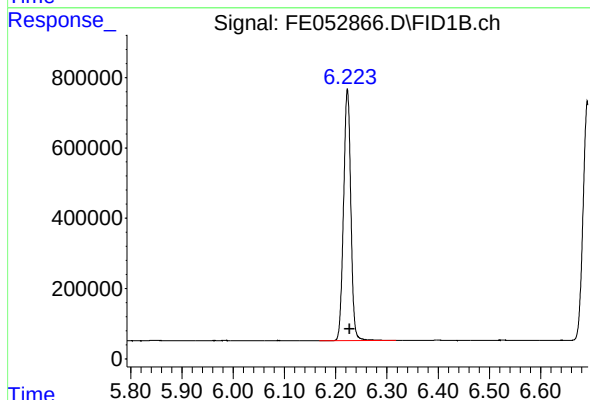
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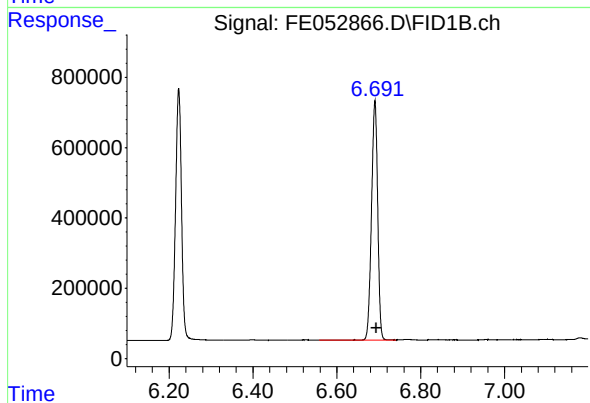
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.003 min
Response: 5775171
Conc: 36.76 ug/ml



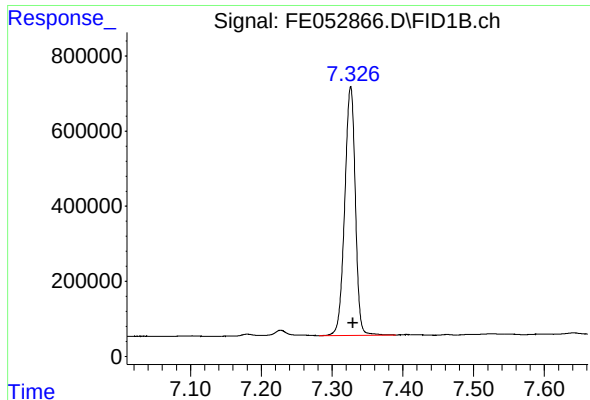
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.005 min
Response: 7036168
Conc: 41.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: -0.004 min
Response: 6941326
Conc: 44.58 ug/ml



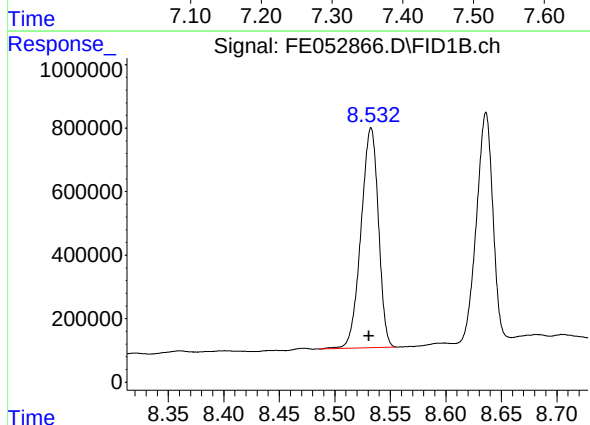
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.003 min
Response: 6903873
Conc: 42.60 ug/ml

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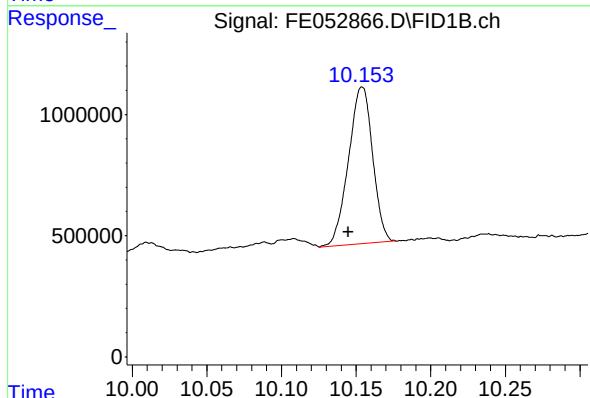
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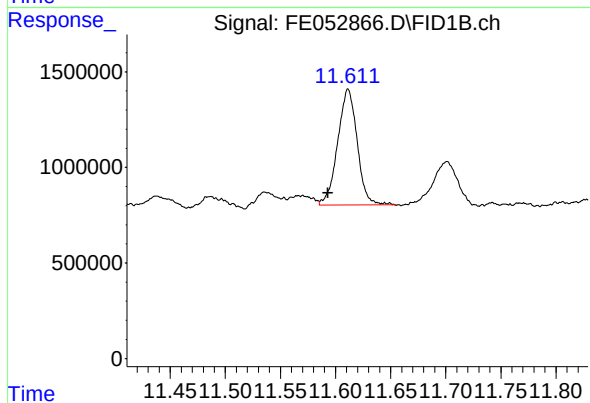
#6 n-Tetradecane (C14)

R.T.: 8.532 min
Delta R.T.: 0.002 min
Response: 7561059
Conc: 49.97 ug/ml m



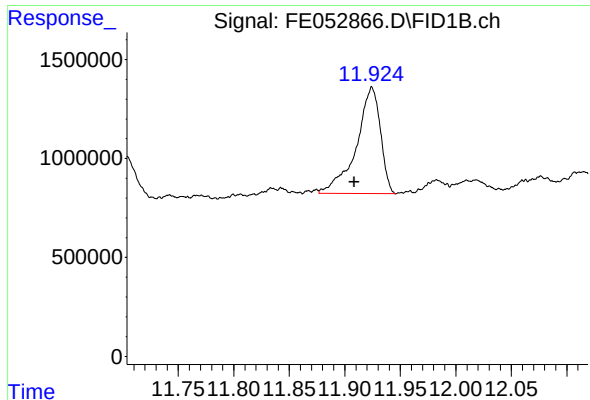
#7 n-Hexadecane (C16)

R.T.: 10.153 min
Delta R.T.: 0.009 min
Response: 7268321
Conc: 47.54 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.018 min
Response: 7466062
Conc: 49.07 ug/ml m



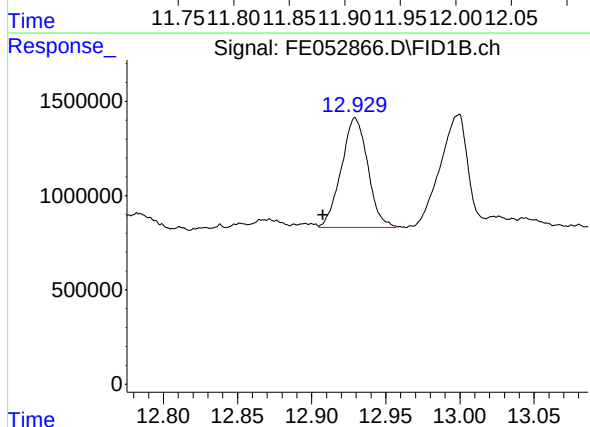
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: 0.015 min
Response: 8105411
Conc: 48.08 ug/ml

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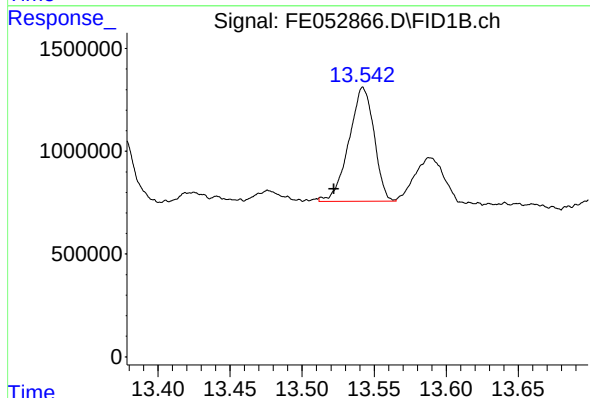
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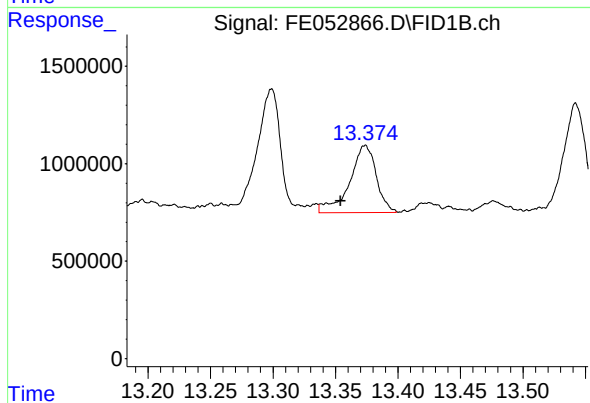
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: 0.021 min
Response: 7229109
Conc: 49.80 ug/ml m



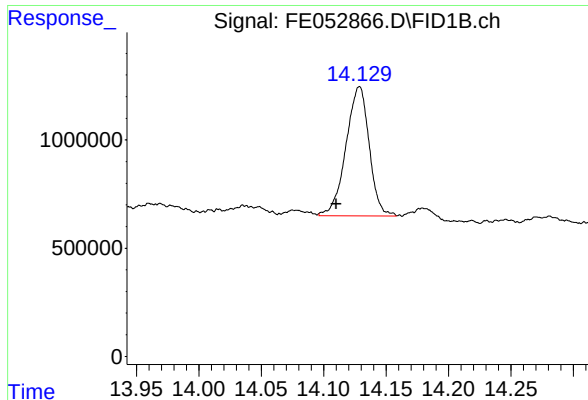
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: 0.020 min
Response: 6722022
Conc: 47.23 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: 0.020 min
Response: 5128046
Conc: 42.23 ug/ml m



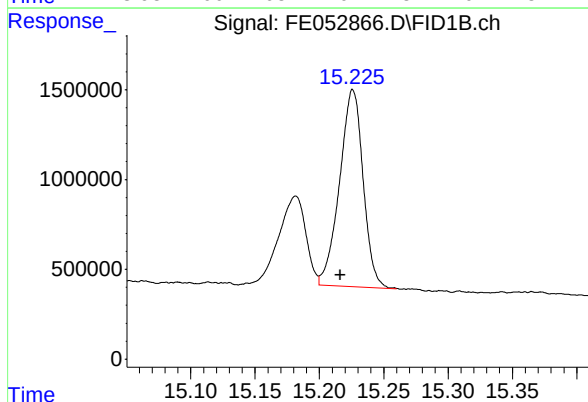
#13 n-Docosane (C22)

R.T.: 14.129 min
Delta R.T.: 0.018 min
Response: 7746480
Conc: 54.43 ug/ml

Instrument :
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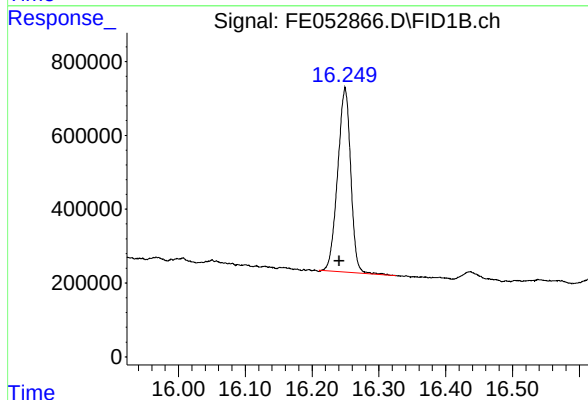
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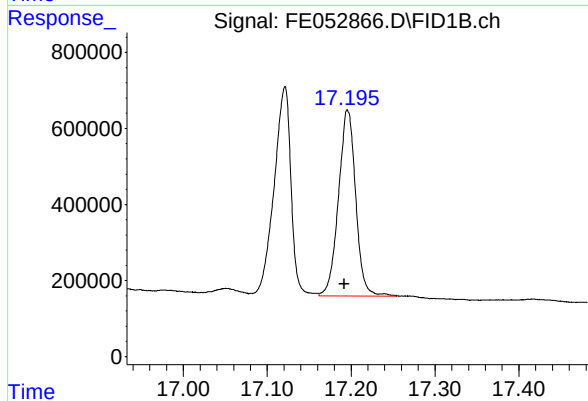
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: 0.009 min
Response: 13994830
Conc: 97.79 ug/ml m



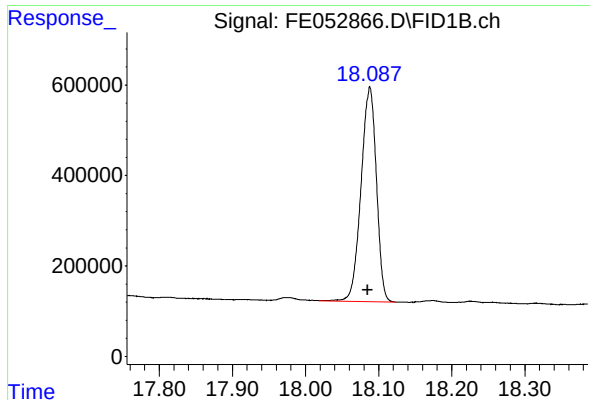
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: 0.008 min
Response: 6767524
Conc: 47.59 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: 0.003 min
Response: 6981237
Conc: 49.10 ug/ml m



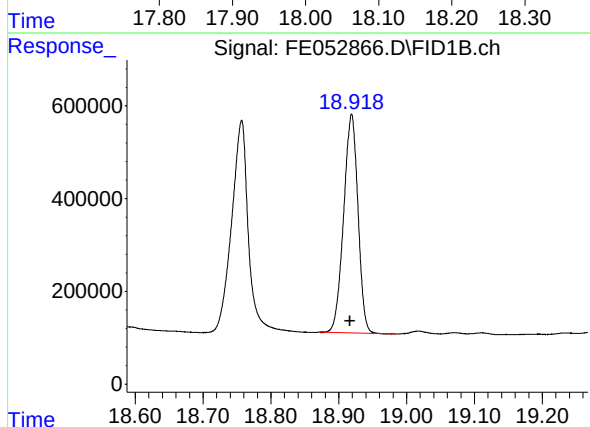
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: 0.002 min
Response: 6939427
Conc: 46.98 ug/ml

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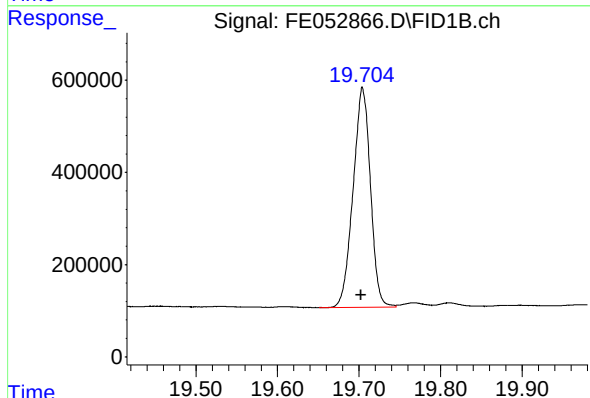
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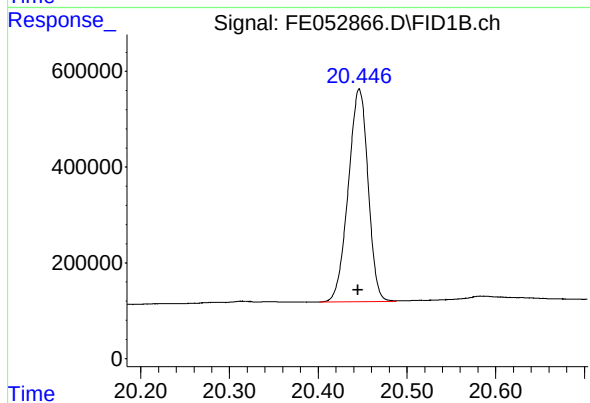
#18 n-Dotriacontane (C32)

R.T.: 18.919 min
Delta R.T.: 0.002 min
Response: 6927665
Conc: 47.72 ug/ml



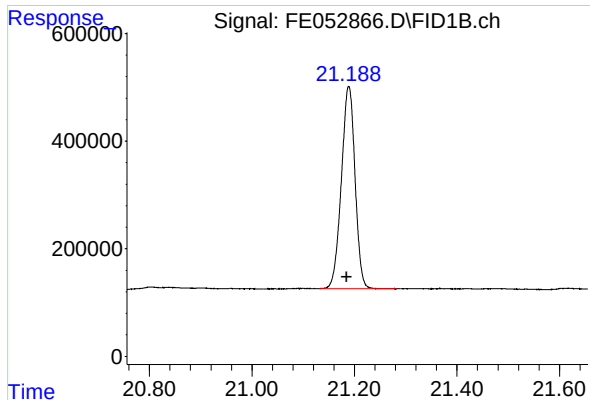
#19 n-Tetratriacontane (C34)

R.T.: 19.704 min
Delta R.T.: 0.002 min
Response: 7035973
Conc: 52.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.446 min
Delta R.T.: 0.001 min
Response: 6873827
Conc: 57.85 ug/ml



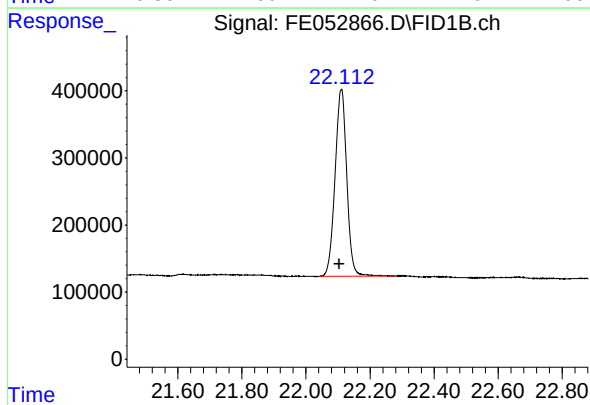
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: 0.004 min
Response: 6956290
Conc: 62.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.110 min
Delta R.T.: 0.006 min
Response: 7084112
Conc: 65.52 ug/ml