

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012225AL\
 Data File : FE052002.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jan 2025 17:08
 Operator : YP\AJ
 Sample : Q1142-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PL-1-012125MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/23/2025

Supervised By :Sohil Jodhani 01/24/2025

Integration File: autoint1.e

Quant Time: Jan 23 04:00:22 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M

Quant Title : GC Extractables

QLast Update : Thu Jan 16 16:05:07 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)	12.204	3459266	24.203 ug/ml
Spiked Amount 50.000		Recovery =	48.41%
12) S 1-chlorooctadecane (S...	13.618	2831832	24.686 ug/mlm
Spiked Amount 50.000		Recovery =	49.37%
Target Compounds			
1) T n-Nonane (C9)	3.685	3097970	29.058 ug/ml
2) T n-Decane (C10)	4.912	3567177	32.583 ug/ml
3) T A~Naphthalene (C11.7)	6.606	4663177	38.375 ug/mlm
4) T n-Dodecane (C12)	7.039	4034681	35.748 ug/ml
5) T A~2-methylnaphthalene...	7.686	4459052	37.350 ug/ml
6) T n-Tetradecane (C14)	8.845	4450466	38.264 ug/mlm
7) T n-Hexadecane (C16)	10.438	4574279	36.269 ug/mlm
8) T n-Octadecane (C18)	11.871	4673775	35.325 ug/ml
10) T n-Eicosane (C20)	13.173	4895847	37.346 ug/mlm
11) T n-Heneicosane (C21)	13.781	4565089	35.072 ug/ml
13) T n-Docosane (C22)	14.365	4594827	35.012 ug/ml
14) T n-Tetracosane (C24)	15.479	9509455	71.591 ug/mlm
15) T n-Hexacosane (C26)	16.480	4288917	32.446 ug/ml
16) T n-Octacosane (C28)	17.425	4259578	32.273 ug/ml
17) T n-Tricontane (C30)	18.311	4303922	31.567 ug/ml
18) T n-Dotriacontane (C32)	19.140	4321468	32.975 ug/ml
19) T n-Tetratriacontane (C34)	19.923	4098740	36.406 ug/mlm
20) T n-Hexatriacontane (C36)	20.661	3976218	41.863 ug/mlm
21) T n-Octatriacontane (C38)	21.447	3971763	45.979 ug/ml
22) T n-Tetracontane (C40)	22.451	4247104	51.536 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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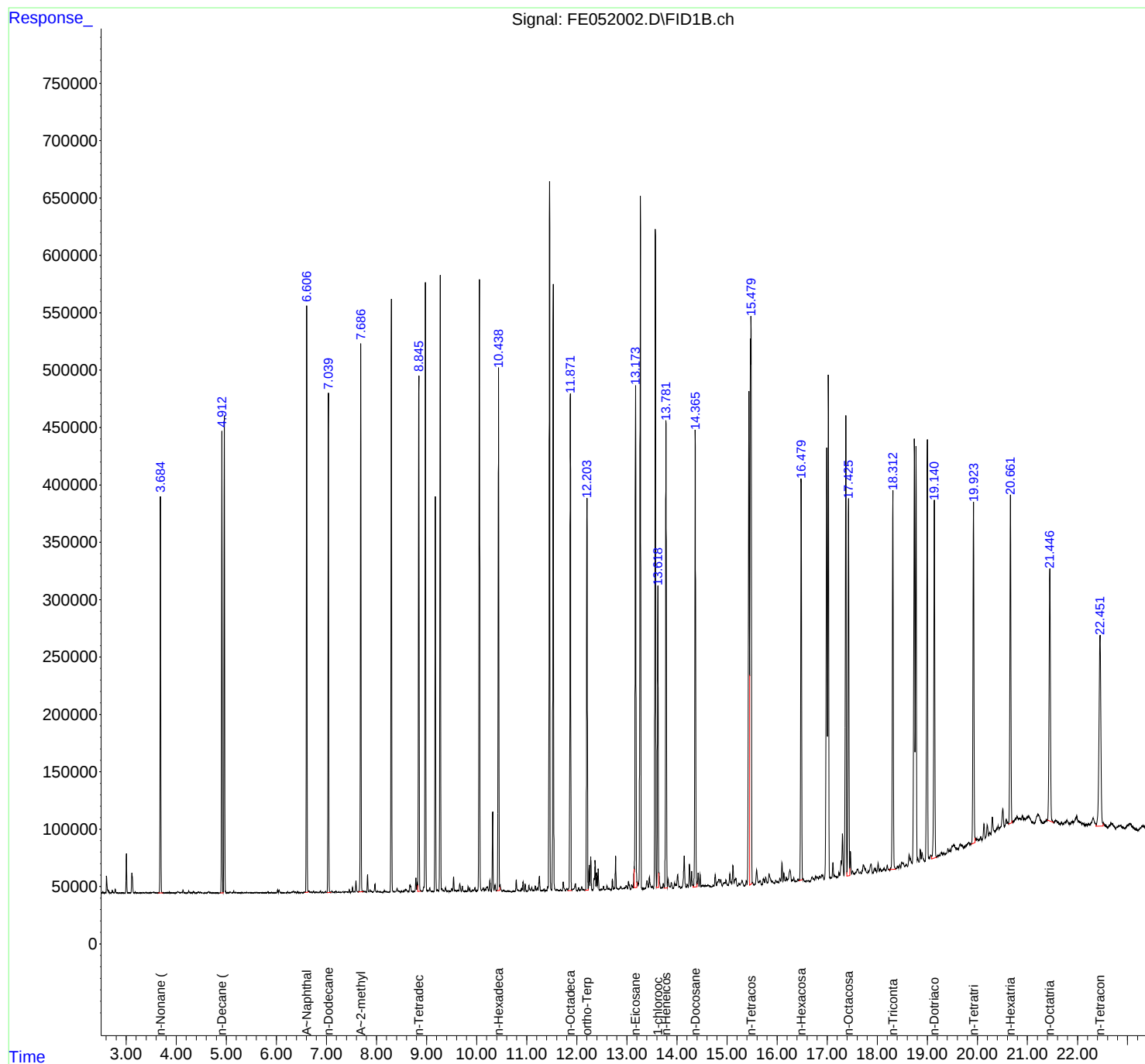
Response via : Initial Calibration

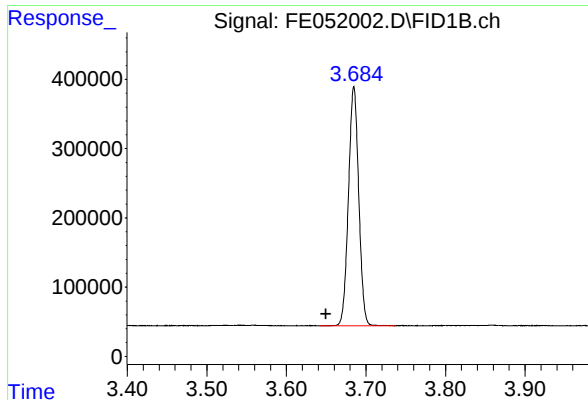
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.685 min
Delta R.T.: 0.035 min
Response: 3097970
Conc: 29.06 ug/ml

Instrument :

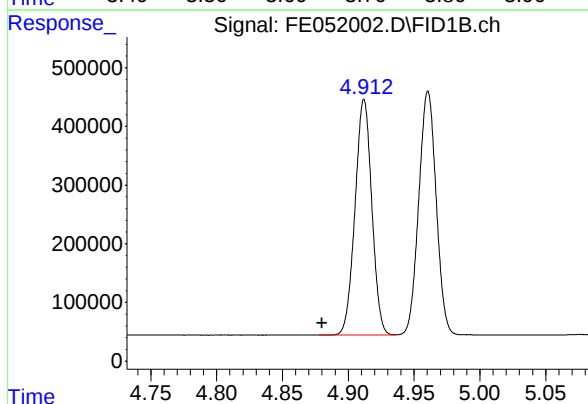
FID_E

ClientSampleId :

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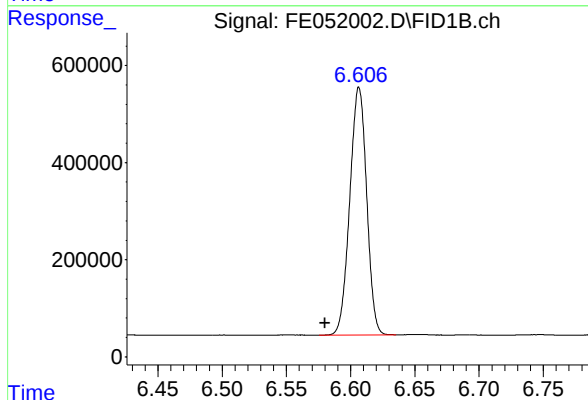
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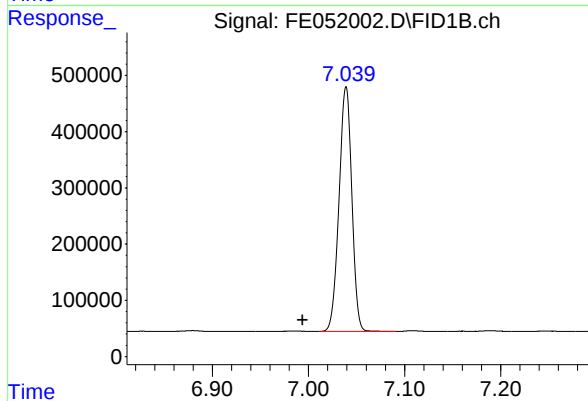
#2 n-Decane (C10)

R.T.: 4.912 min
Delta R.T.: 0.032 min
Response: 3567177
Conc: 32.58 ug/ml



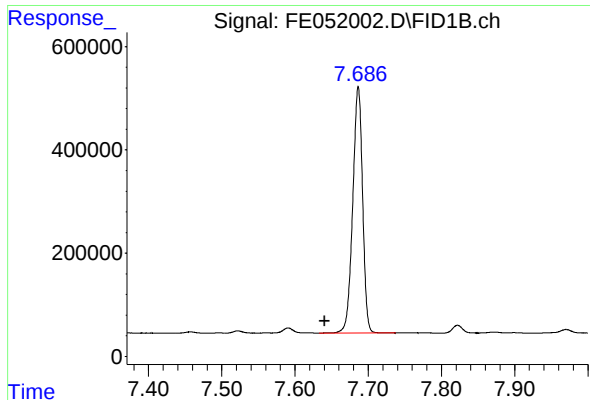
#3 A~Naphthalene (C11.7)

R.T.: 6.606 min
Delta R.T.: 0.026 min
Response: 4663177
Conc: 38.37 ug/ml m



#4 n-Dodecane (C12)

R.T.: 7.039 min
Delta R.T.: 0.045 min
Response: 4034681
Conc: 35.75 ug/ml



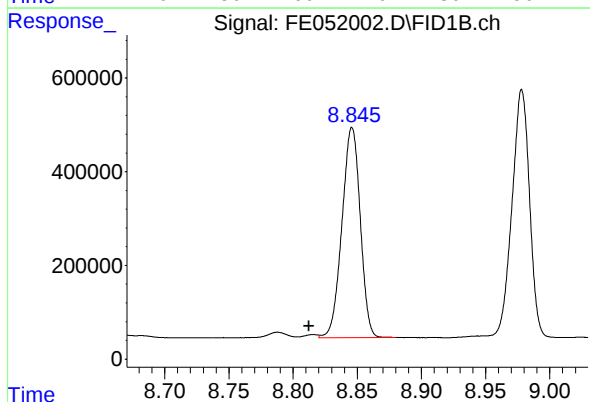
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.686 min
Delta R.T.: 0.046 min
Response: 4459052
Conc: 37.35 ug/ml

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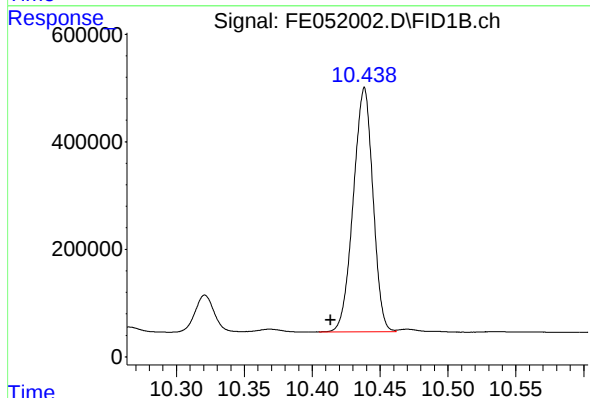
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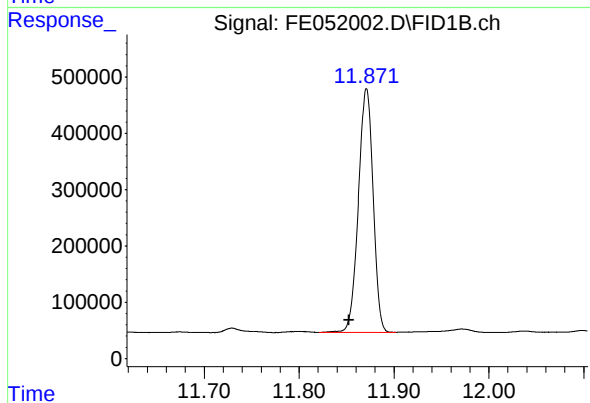
#6 n-Tetradecane (C14)

R.T.: 8.845 min
Delta R.T.: 0.033 min
Response: 4450466
Conc: 38.26 ug/ml m



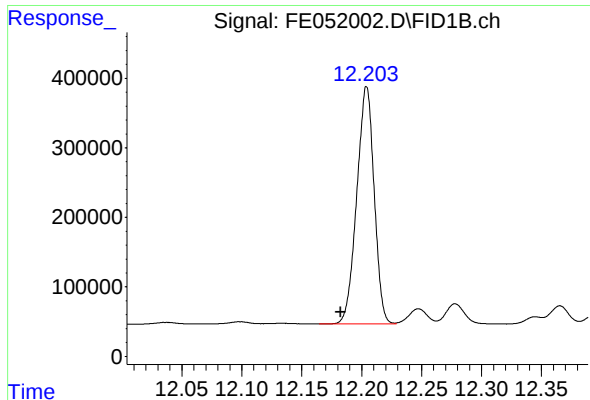
#7 n-Hexadecane (C16)

R.T.: 10.438 min
Delta R.T.: 0.025 min
Response: 4574279
Conc: 36.27 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.871 min
Delta R.T.: 0.019 min
Response: 4673775
Conc: 35.33 ug/ml



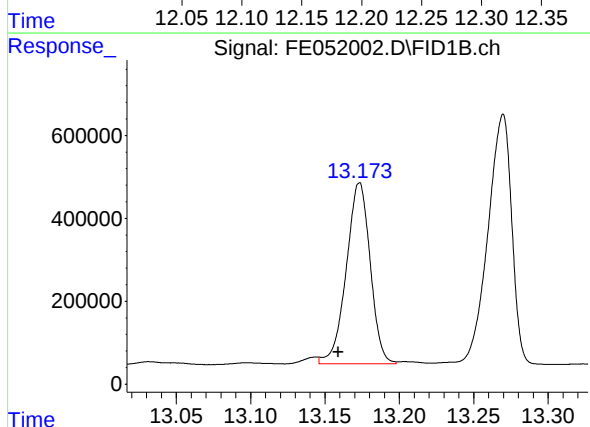
#9 ortho-Terphenyl (SURR)

R.T.: 12.204 min
Delta R.T.: 0.022 min
Response: 3459266
Conc: 24.20 ug/ml

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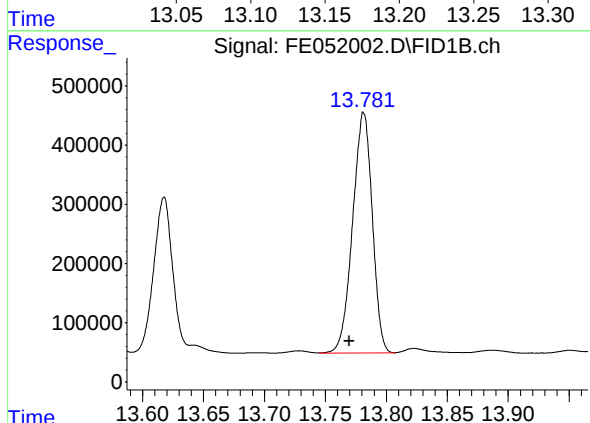
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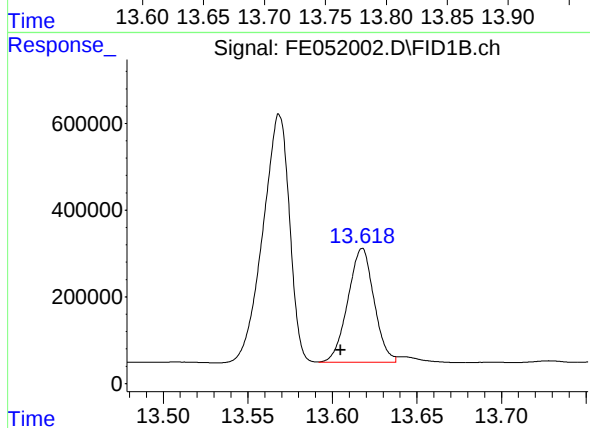
#10 n-Eicosane (C20)

R.T.: 13.173 min
Delta R.T.: 0.015 min
Response: 4895847
Conc: 37.35 ug/ml m



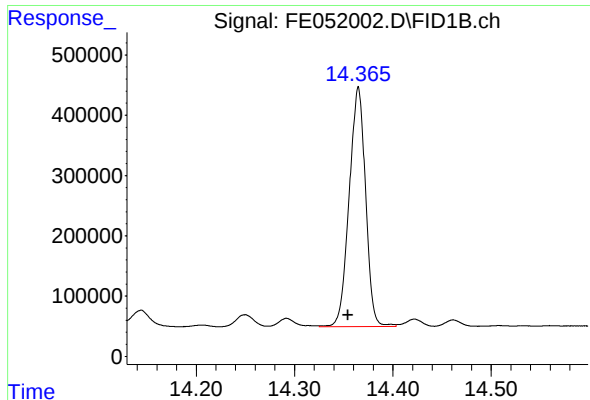
#11 n-Heneicosane (C21)

R.T.: 13.781 min
Delta R.T.: 0.012 min
Response: 4565089
Conc: 35.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.618 min
Delta R.T.: 0.013 min
Response: 2831832
Conc: 24.69 ug/ml m



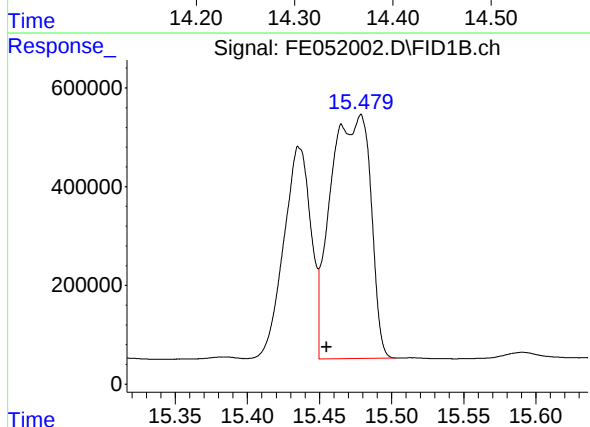
#13 n-Docosane (C22)

R.T.: 14.365 min
Delta R.T.: 0.011 min
Response: 4594827
Conc: 35.01 ug/ml

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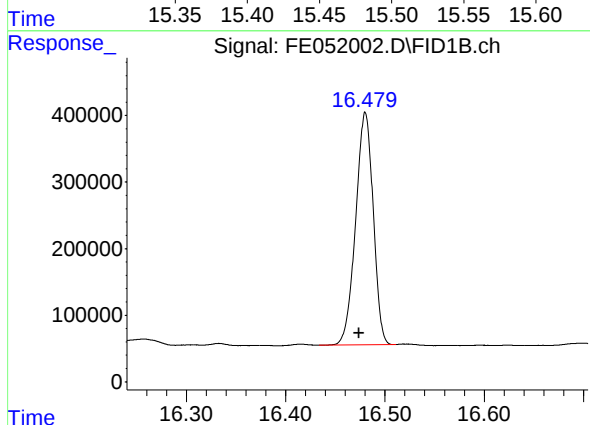
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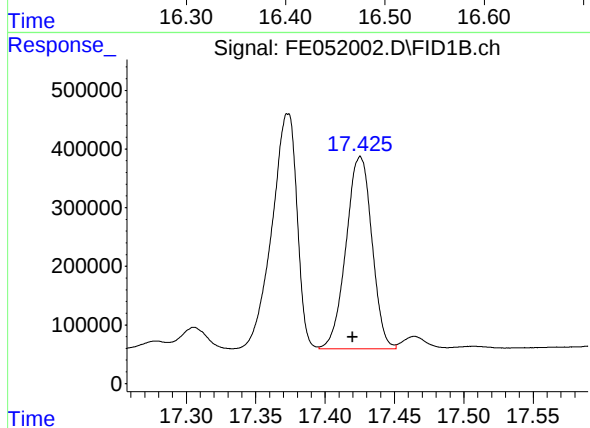
#14 n-Tetracosane (C24)

R.T.: 15.479 min
Delta R.T.: 0.024 min
Response: 9509455
Conc: 71.59 ug/ml



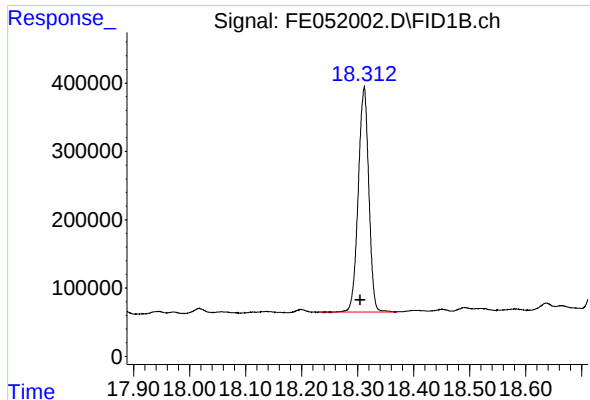
#15 n-Hexacosane (C26)

R.T.: 16.480 min
Delta R.T.: 0.006 min
Response: 4288917
Conc: 32.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.425 min
Delta R.T.: 0.005 min
Response: 4259578
Conc: 32.27 ug/ml



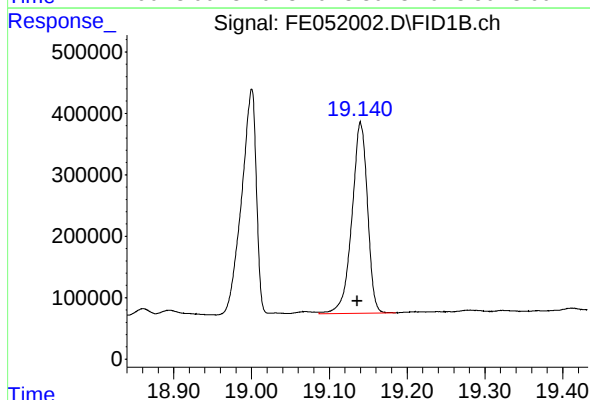
#17 n-Tricontane (C30)

R.T.: 18.311 min
Delta R.T.: 0.006 min
Response: 4303922
Conc: 31.57 ug/ml

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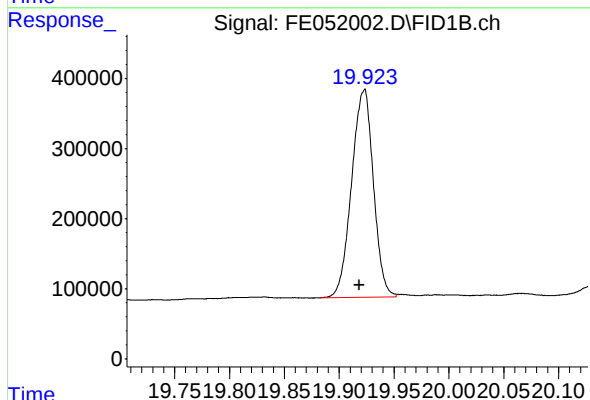
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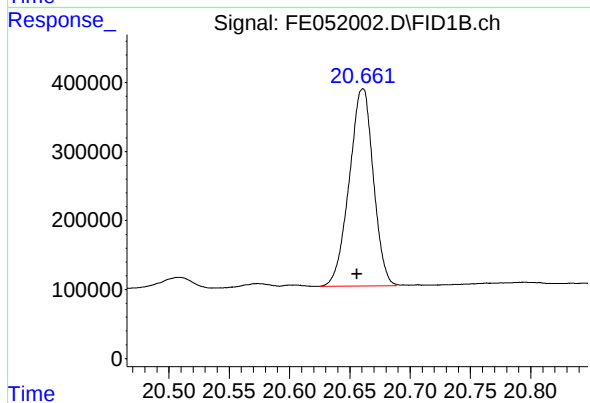
#18 n-Dotriacontane (C32)

R.T.: 19.140 min
Delta R.T.: 0.004 min
Response: 4321468
Conc: 32.97 ug/ml



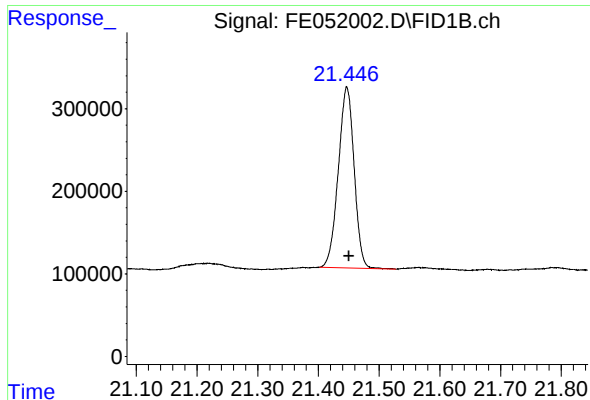
#19 n-Tetratriacontane (C34)

R.T.: 19.923 min
Delta R.T.: 0.005 min
Response: 4098740
Conc: 36.41 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.661 min
Delta R.T.: 0.005 min
Response: 3976218
Conc: 41.86 ug/ml m



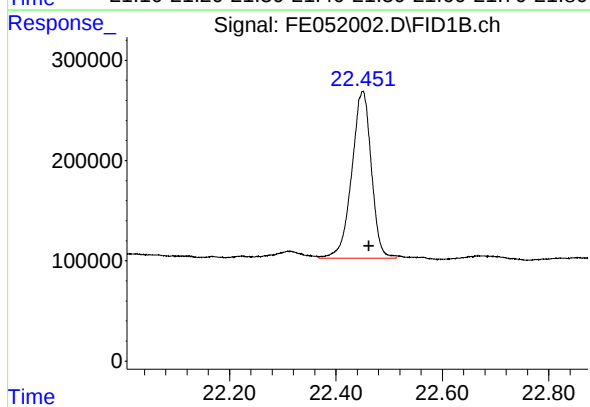
#21 n-Octatriacontane (C38)

R.T.: 21.447 min
Delta R.T.: -0.003 min
Response: 3971763
Conc: 45.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.451 min
Delta R.T.: -0.011 min
Response: 4247104
Conc: 51.54 ug/ml m