

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049033.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 20:58
 Operator : YP/AJ
 Sample : Q1236-07MSD
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

5MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e

Quant Time: Feb 03 06:08:05 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	4610588	23.877 ug/ml
Spiked Amount 50.000		Recovery =	47.75%
12) S 1-chlorooctadecane (S...	12.683	3389501	23.092 ug/ml
Spiked Amount 50.000		Recovery =	46.18%
Target Compounds			
1) T n-Nonane (C9)	3.123	6273032	39.225 ug/ml
2) T n-Decane (C10)	4.159	6465078	39.650 ug/ml
3) T A~Naphthalene (C11.7)	5.700	7443029	43.554 ug/ml
4) T n-Dodecane (C12)	6.145	6559321	39.605 ug/ml
5) T A~2-methylnaphthalene...	6.745	7265503	45.072 ug/ml
6) T n-Tetradecane (C14)	7.925	6678923	40.400 ug/ml
7) T n-Hexadecane (C16)	9.513	6613477	38.356 ug/ml
8) T n-Octadecane (C18)	10.947	6632137	37.614 ug/ml
10) T n-Eicosane (C20)	12.248	6841535	39.752 ug/ml
11) T n-Heneicosane (C21)	12.855	6647792	39.040 ug/ml
13) T n-Docosane (C22)	13.438	6443909	37.895 ug/ml
14) T n-Tetracosane (C24)	14.481	13189877	77.421 ug/mlm
15) T n-Hexacosane (C26)	15.552	6177583	36.882 ug/ml
16) T n-Octacosane (C28)	16.496	6145854	36.945 ug/ml
17) T n-Tricontane (C30)	17.381	6044883	35.216 ug/ml
18) T n-Dotriacontane (C32)	18.207	5981370	36.588 ug/ml
19) T n-Tetratriacontane (C34)	18.986	6000959	43.074 ug/ml
20) T n-Hexatriacontane (C36)	19.722	5499910	47.830 ug/ml
21) T n-Octatriacontane (C38)	20.420	5683065	54.845 ug/ml
22) T n-Tetracontane (C40)	21.196	5235360	54.627 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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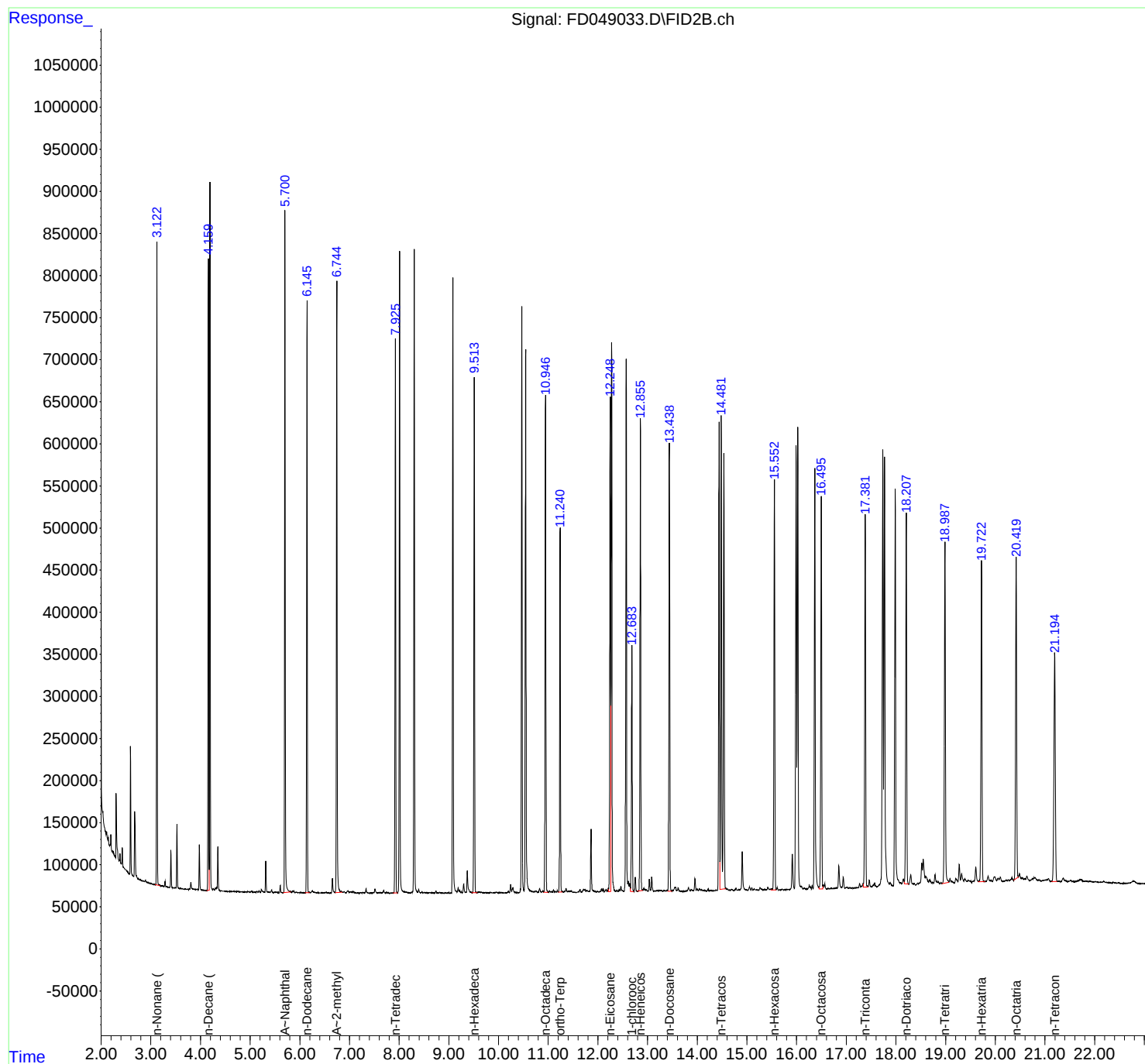
Instrument :
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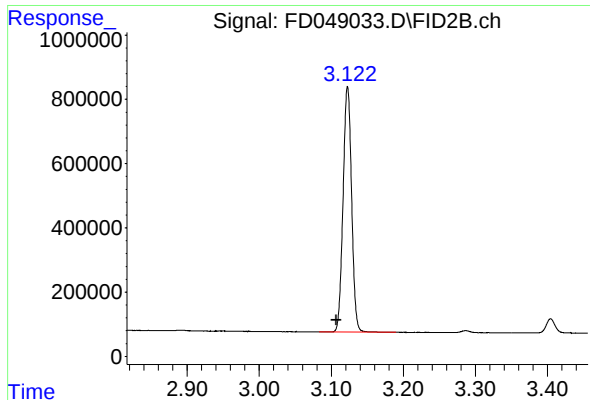
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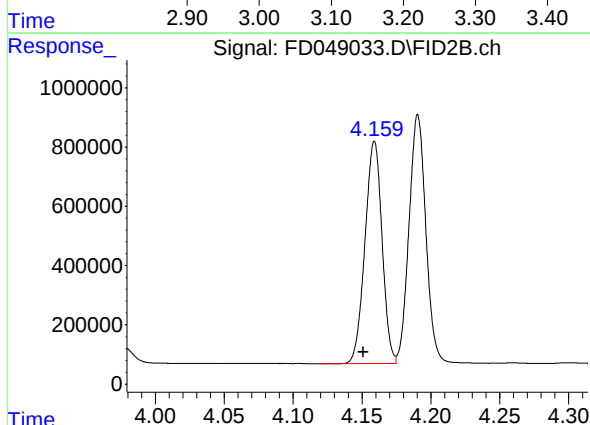
#1 n-Nonane (C9)

R.T.: 3.123 min
Delta R.T.: 0.016 min
Response: 6273032
Conc: 39.23 ug/ml

Instrument :
FID_D
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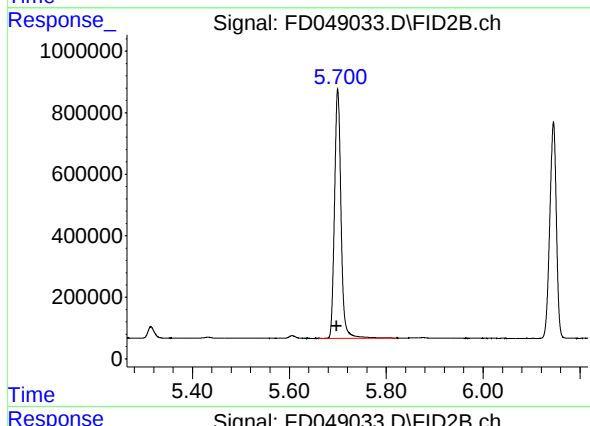
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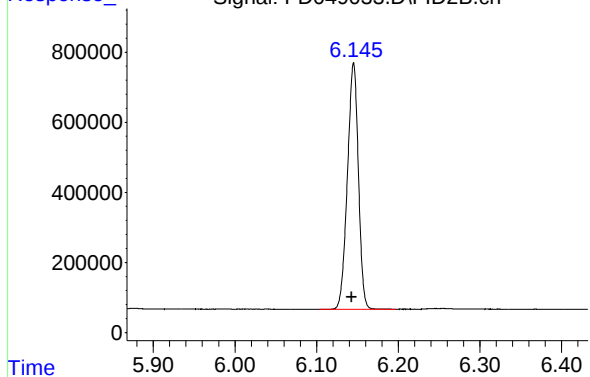
#2 n-Decane (C10)

R.T.: 4.159 min
Delta R.T.: 0.008 min
Response: 6465078
Conc: 39.65 ug/ml



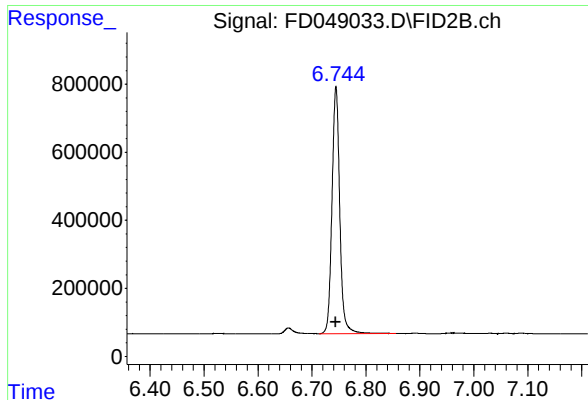
#3 A~Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: 0.002 min
Response: 7443029
Conc: 43.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.145 min
Delta R.T.: 0.002 min
Response: 6559321
Conc: 39.60 ug/ml



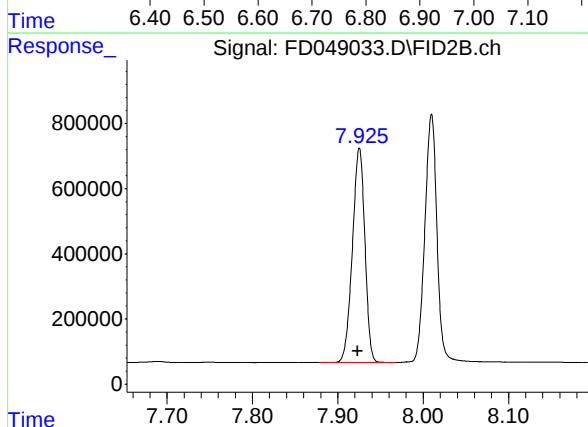
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 7265503
Conc: 45.07 ug/ml

Instrument :
FID_D
ClientSampleId :
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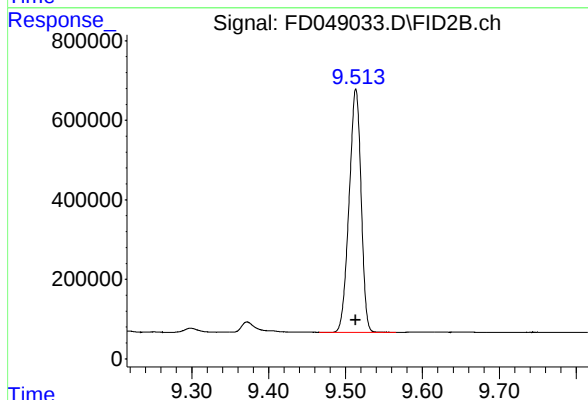
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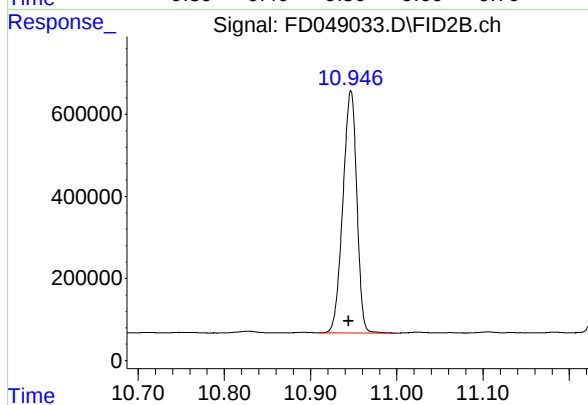
#6 n-Tetradecane (C14)

R.T.: 7.925 min
Delta R.T.: 0.002 min
Response: 6678923
Conc: 40.40 ug/ml



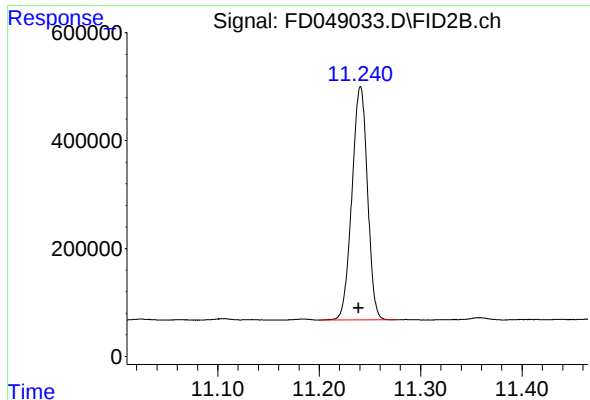
#7 n-Hexadecane (C16)

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 6613477
Conc: 38.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.947 min
Delta R.T.: 0.003 min
Response: 6632137
Conc: 37.61 ug/ml



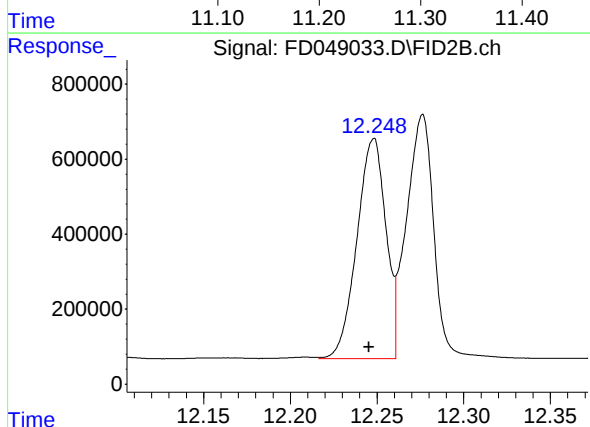
#9 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 4610588
Conc: 23.88 ug/ml

Instrument :
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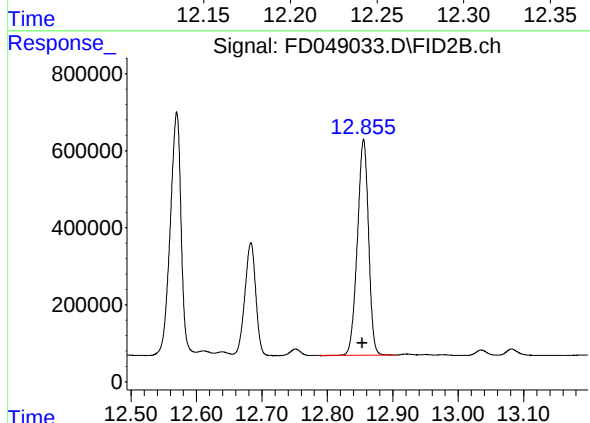
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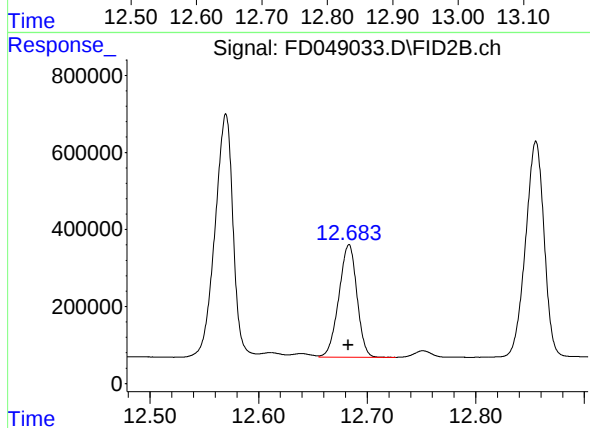
#10 n-Eicosane (C20)

R.T.: 12.248 min
Delta R.T.: 0.003 min
Response: 6841535
Conc: 39.75 ug/ml



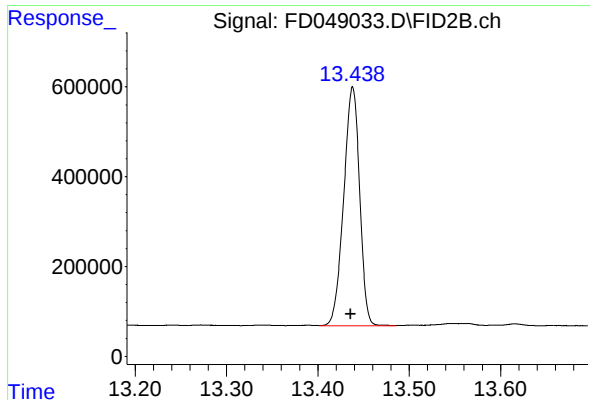
#11 n-Heneicosane (C21)

R.T.: 12.855 min
Delta R.T.: 0.002 min
Response: 6647792
Conc: 39.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.683 min
Delta R.T.: 0.000 min
Response: 3389501
Conc: 23.09 ug/ml



#13 n-Docosane (C22)

R.T.: 13.438 min
Delta R.T.: 0.002 min
Response: 6443909
Conc: 37.89 ug/ml

Instrument :

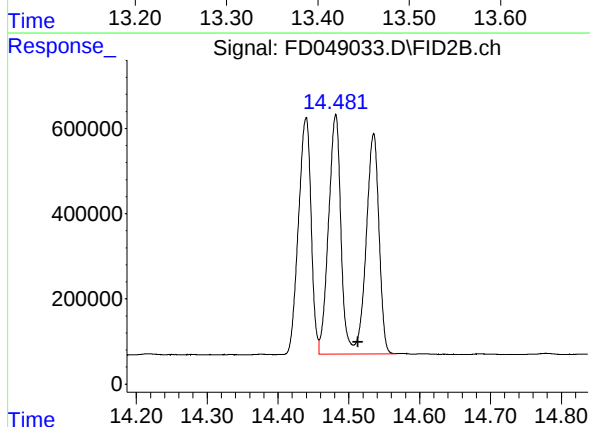
FID_D

ClientSampleId :

5MSD

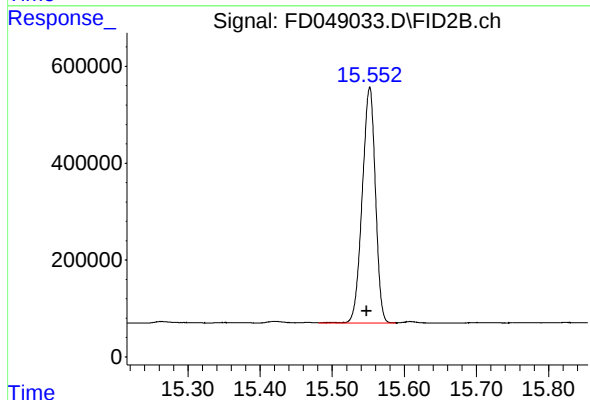
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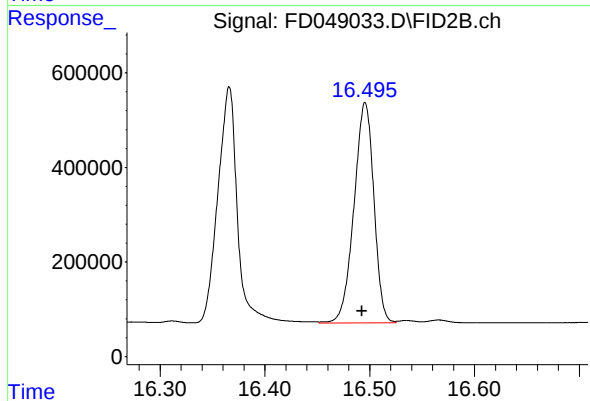
#14 n-Tetracosane (C24)

R.T.: 14.481 min
Delta R.T.: -0.032 min
Response: 13189877
Conc: 77.42 ug/ml m



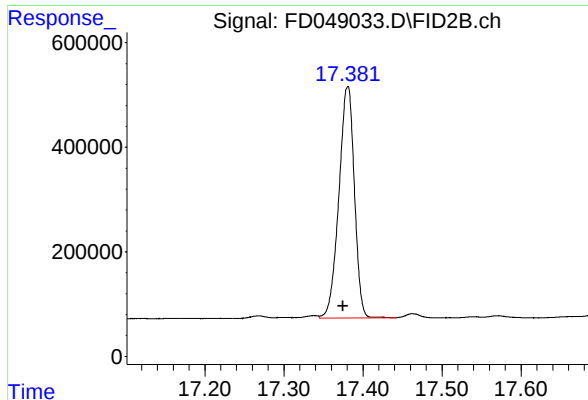
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 6177583
Conc: 36.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.496 min
Delta R.T.: 0.003 min
Response: 6145854
Conc: 36.94 ug/ml



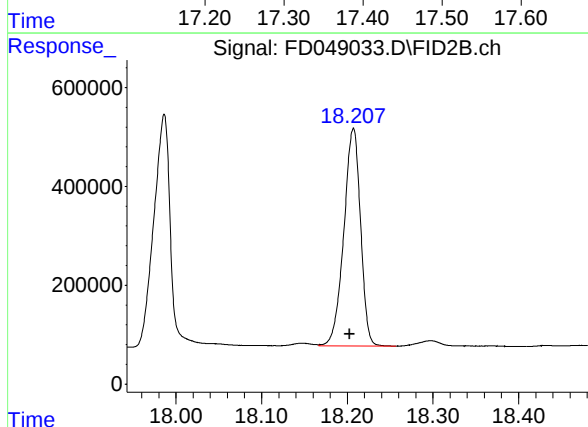
#17 n-Tricontane (C30)

R.T.: 17.381 min
Delta R.T.: 0.006 min
Response: 6044883
Conc: 35.22 ug/ml

Instrument :
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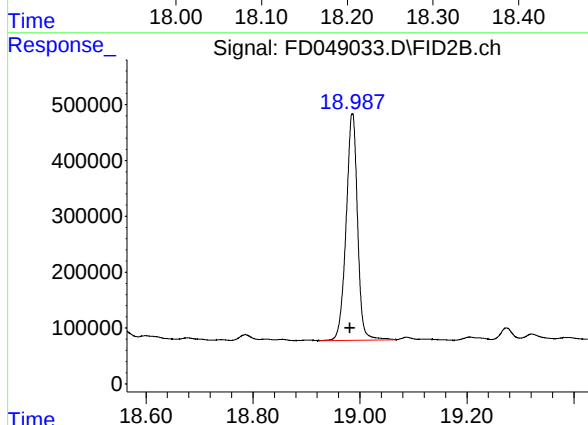
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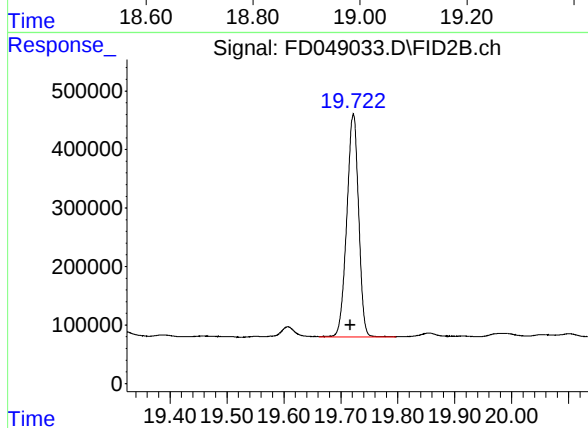
#18 n-Dotriacontane (C32)

R.T.: 18.207 min
Delta R.T.: 0.004 min
Response: 5981370
Conc: 36.59 ug/ml



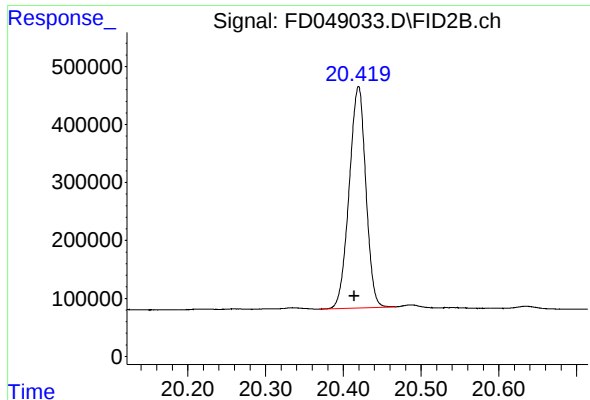
#19 n-Tetratriacontane (C34)

R.T.: 18.986 min
Delta R.T.: 0.004 min
Response: 6000959
Conc: 43.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.722 min
Delta R.T.: 0.005 min
Response: 5499910
Conc: 47.83 ug/ml



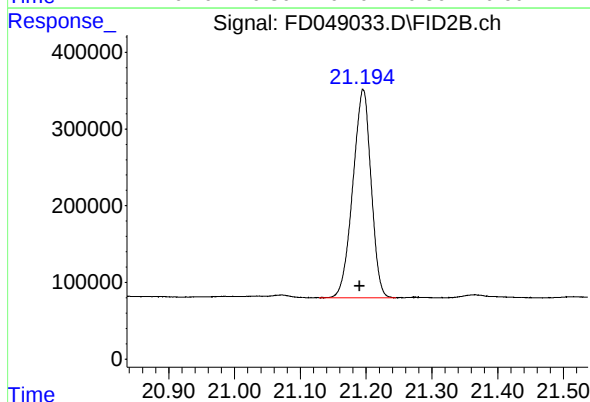
#21 n-Octatriacontane (C38)

R.T.: 20.420 min
Delta R.T.: 0.005 min
Response: 5683065
Conc: 54.85 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.196 min
Delta R.T.: 0.005 min
Response: 5235360
Conc: 54.63 ug/ml