

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042924AL\
 Data File : FE047866.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2024 18:41
 Operator : YP\AJ
 Sample : P2283-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

EXCAV-SOIL-2MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 04/30/2024

Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e

Quant Time: Apr 30 01:51:59 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M

Quant Title : GC Extractables

QLast Update : Mon Apr 29 03:29:12 2024

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)	11.974	4663342	32.325 ug/ml
Spiked Amount 50.000		Recovery =	64.65%
12) S 1-chlorooctadecane (S...	13.408	3944993	35.305 ug/mlm
Spiked Amount 50.000		Recovery =	70.61%
Target Compounds			
1) T n-Nonane (C9)	3.353	2059036	15.976 ug/ml
2) T n-Decane (C10)	4.606	2689632	20.429 ug/ml
3) T A~Naphthalene (C11.7)	6.314	3754987	27.194 ug/ml
4) T n-Dodecane (C12)	6.772	3893871	29.209 ug/ml
5) T A~2-methylnaphthalene...	7.410	4352350	32.706 ug/ml
6) T n-Tetradecane (C14)	8.602	4898936	36.967 ug/ml
7) T n-Hexadecane (C16)	10.209	5528988	40.201 ug/mlm
8) T n-Octadecane (C18)	11.654	6073217	43.599 ug/ml
10) T n-Eicosane (C20)	12.964	6265486	46.534 ug/ml
11) T n-Heneicosane (C21)	13.576	6170602	46.615 ug/ml
13) T n-Docosane (C22)	14.161	6096023	46.001 ug/ml
14) T n-Tetracosane (C24)	15.256	10308404	77.418 ug/mlm
15) T n-Hexacosane (C26)	16.284	5923163	44.387 ug/ml
16) T n-Octacosane (C28)	17.233	6115478	45.930 ug/ml
17) T n-Tricontane (C30)	18.120	6029478	43.688 ug/ml
18) T n-Dotriacontane (C32)	18.951	5999274	43.433 ug/mlm
19) T n-Tetratriacontane (C34)	19.735	6216979	45.638 ug/ml
20) T n-Hexatriacontane (C36)	20.474	6325294	46.716 ug/ml
21) T n-Octatriacontane (C38)	21.215	6463193	46.812 ug/ml
22) T n-Tetracontane (C40)	22.143	6414369	46.040 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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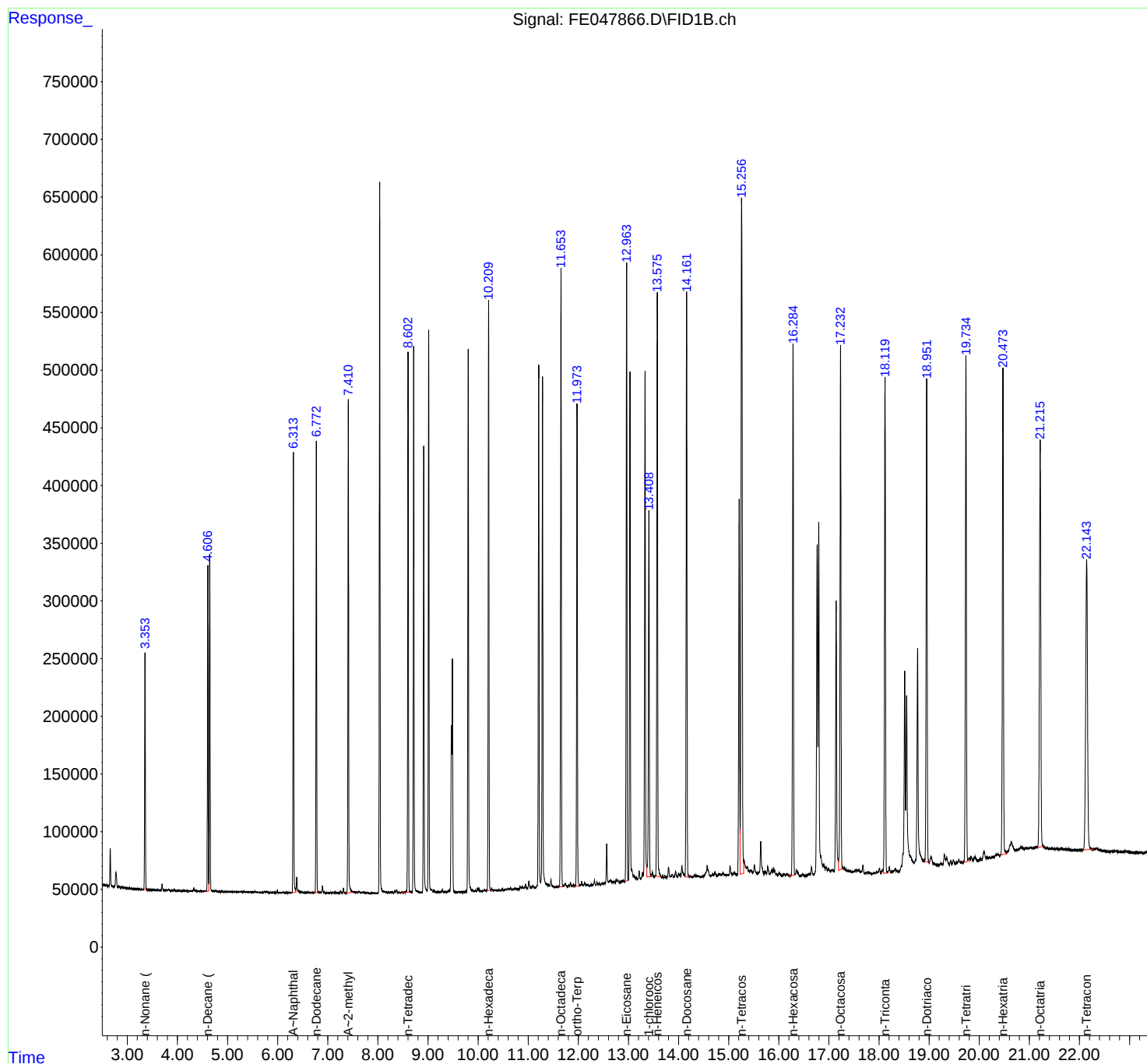
Instrument :
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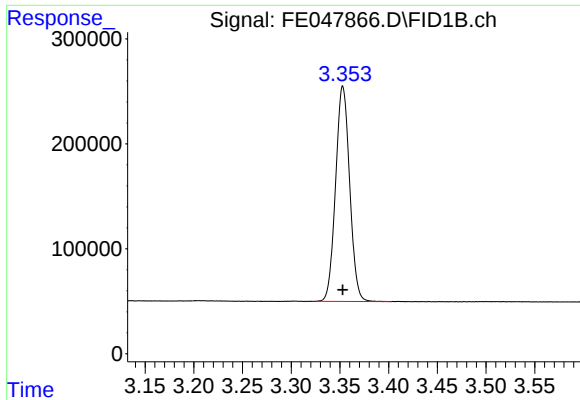
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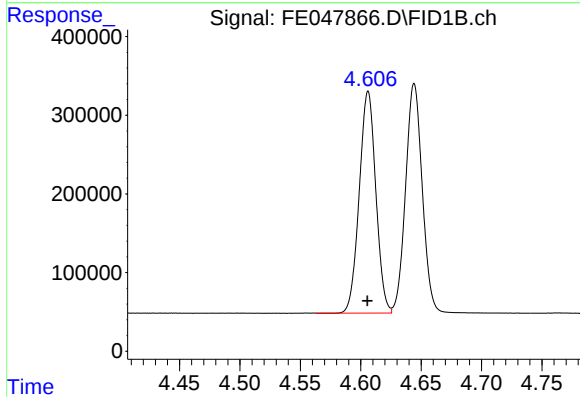
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: 0.000 min
Response: 2059036
Conc: 15.98 ug/ml

Instrument :
FID_E
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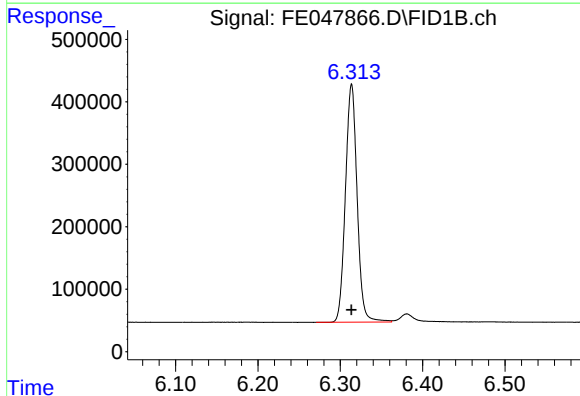
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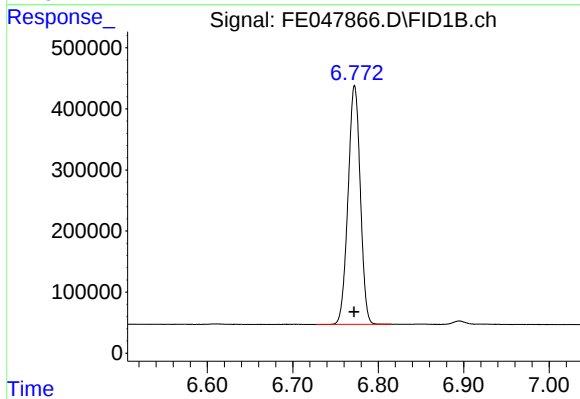
#2 n-Decane (C10)

R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 2689632
Conc: 20.43 ug/ml



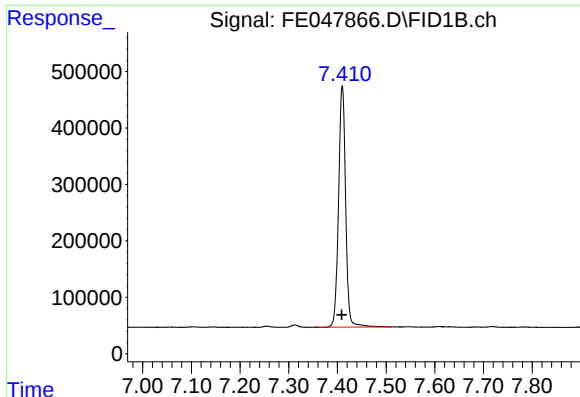
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 3754987
Conc: 27.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 3893871
Conc: 29.21 ug/ml



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

R.T.: 7.410 min
Delta R.T.: 0.001 min
Response: 4352350
Conc: 32.71 ug/ml

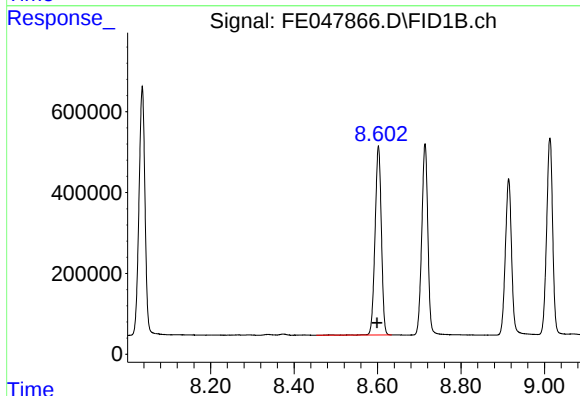
Instrument :

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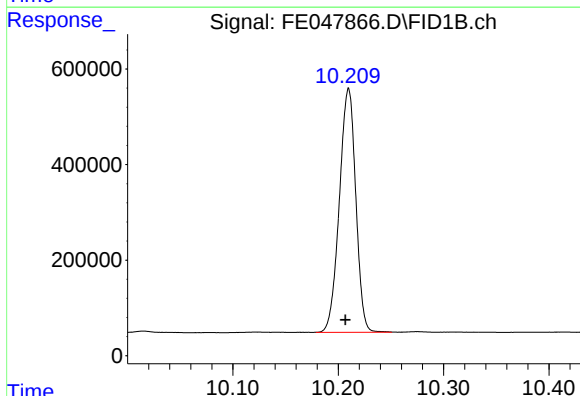
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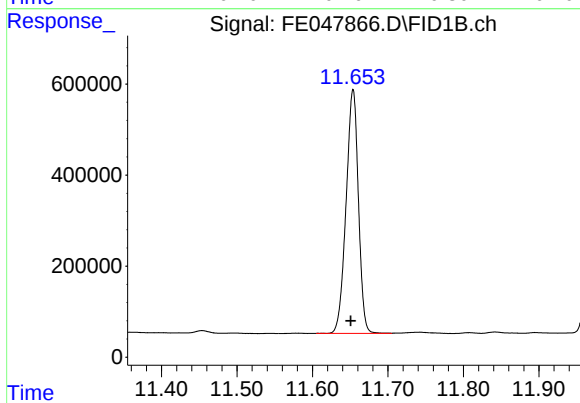
#6 n-Tetradecane (C14)

R.T.: 8.602 min
Delta R.T.: 0.003 min
Response: 4898936
Conc: 36.97 ug/ml



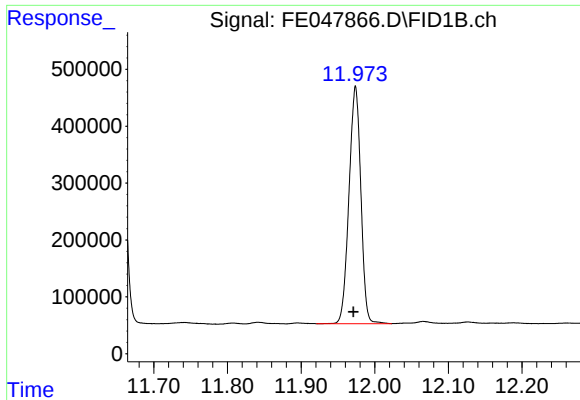
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: 0.002 min
Response: 5528988
Conc: 40.20 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.654 min
Delta R.T.: 0.003 min
Response: 6073217
Conc: 43.60 ug/ml



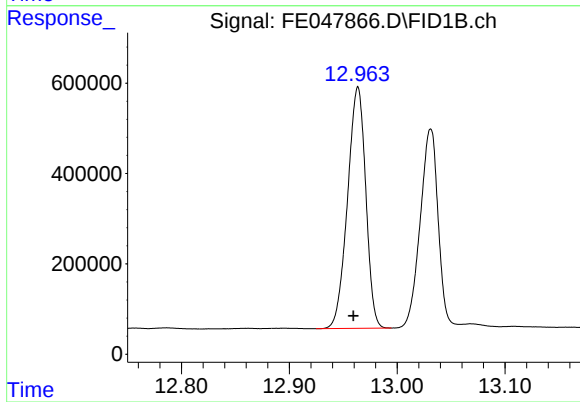
#9 ortho-Terphenyl (SURR)

R.T.: 11.974 min
Delta R.T.: 0.003 min
Response: 4663342
Conc: 32.32 ug/ml

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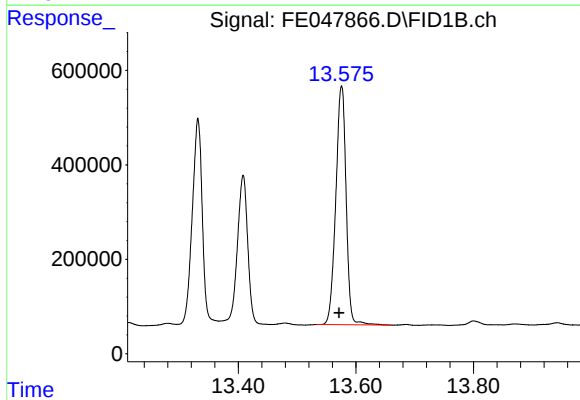
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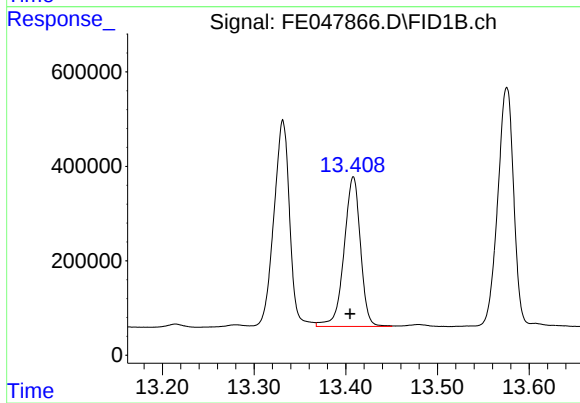
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: 0.004 min
Response: 6265486
Conc: 46.53 ug/ml



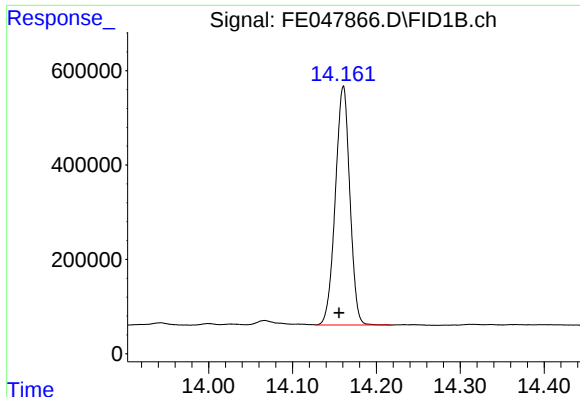
#11 n-Heneicosane (C21)

R.T.: 13.576 min
Delta R.T.: 0.005 min
Response: 6170602
Conc: 46.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.003 min
Response: 3944993
Conc: 35.30 ug/ml m



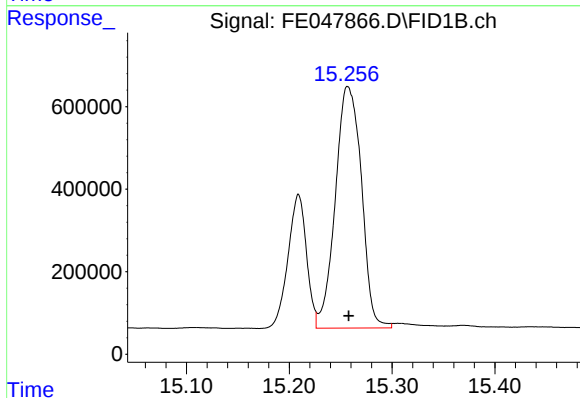
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: 0.005 min
Response: 6096023
Conc: 46.00 ug/ml

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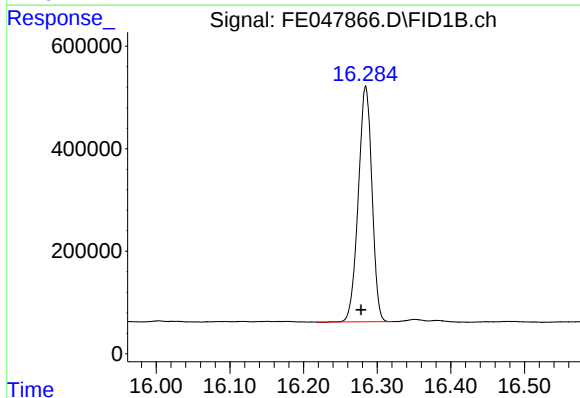
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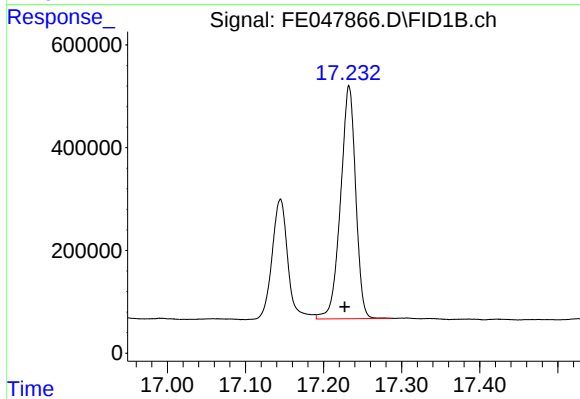
#14 n-Tetracosane (C24)

R.T.: 15.256 min
Delta R.T.: -0.002 min
Response: 10308404
Conc: 77.42 ug/ml m



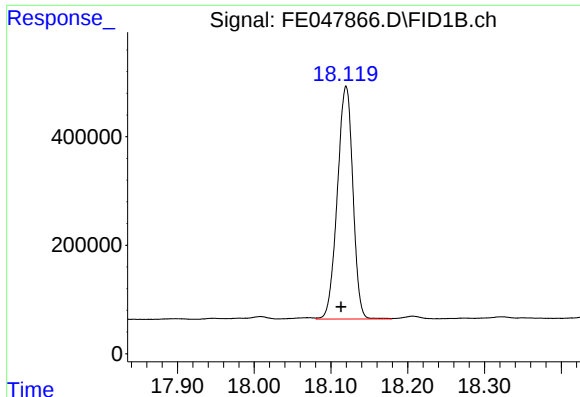
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: 0.006 min
Response: 5923163
Conc: 44.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.233 min
Delta R.T.: 0.005 min
Response: 6115478
Conc: 45.93 ug/ml



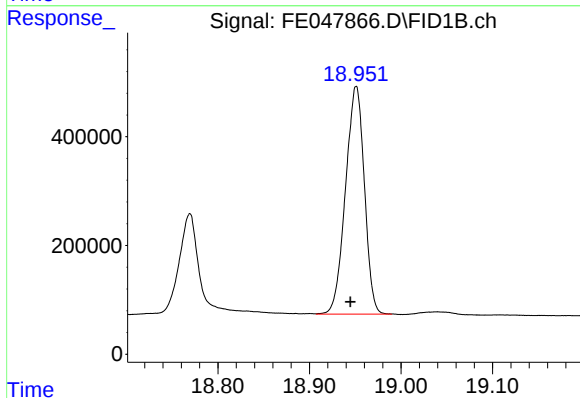
#17 n-Tricontane (C30)

R.T.: 18.120 min
Delta R.T.: 0.006 min
Response: 6029478
Conc: 43.69 ug/ml

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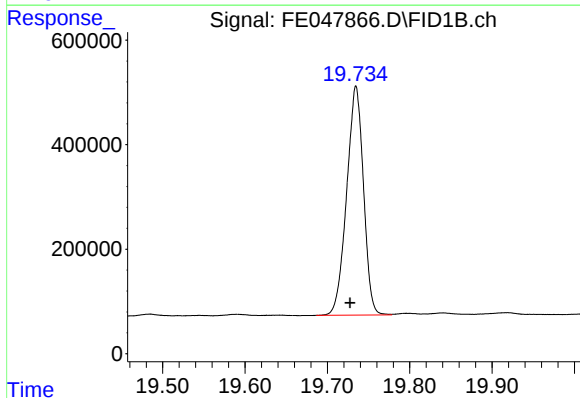
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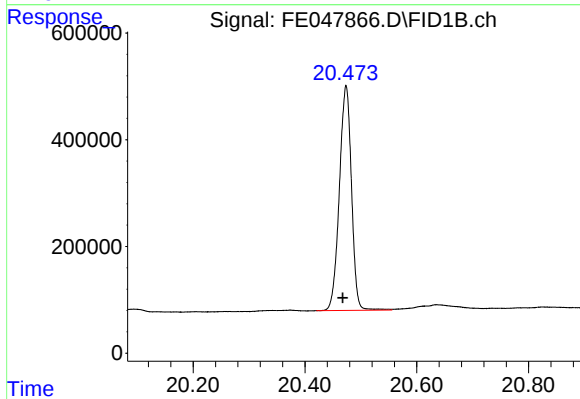
#18 n-Dotriacontane (C32)

R.T.: 18.951 min
Delta R.T.: 0.006 min
Response: 5999274
Conc: 43.43 ug/ml m



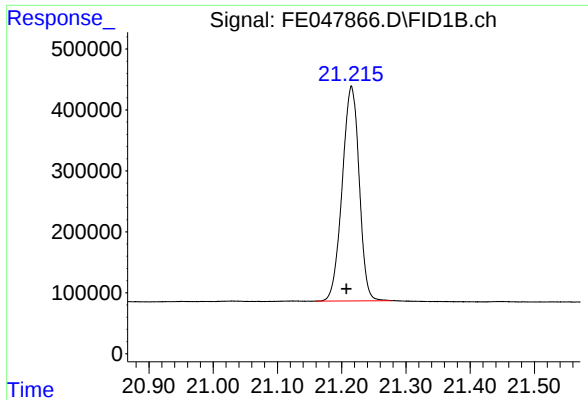
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: 0.007 min
Response: 6216979
Conc: 45.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.474 min
Delta R.T.: 0.006 min
Response: 6325294
Conc: 46.72 ug/ml



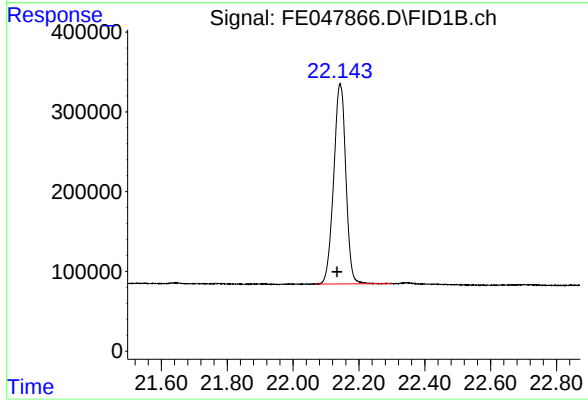
#21 n-Octatriacontane (C38)

R.T.: 21.215 min
Delta R.T.: 0.008 min
Response: 6463193
Conc: 46.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min
Delta R.T.: 0.009 min
Response: 6414369
Conc: 46.04 ug/ml