

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
 Data File : FC068446.D
 Signal(s) : FID1A.ch
 Acq On : 31 Mar 2025 14:31
 Operator : YP/AJ
 Sample : PB167381BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB167381BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 04/01/2025

Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e

Quant Time: Apr 01 03:17:25 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M

Quant Title : GC Extractables

QLast Update : Wed Mar 26 13:35:27 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)	11.388	7332248	36.914 ug/ml
Spiked Amount 50.000		Recovery =	73.83%
12) S 1-chlorooctadecane (S...	12.828	5457920	36.612 ug/ml
Spiked Amount 50.000		Recovery =	73.22%
Target Compounds			
1) T n-Nonane (C9)	3.203	5306898	33.180 ug/ml
2) T n-Decane (C10)	4.256	5623606	34.691 ug/ml
3) T A~Naphthalene (C11.7)	5.820	6577765	37.230 ug/ml
4) T n-Dodecane (C12)	6.261	6063272	36.768 ug/ml
5) T A~2-methylnaphthalene...	6.871	6222859	36.585 ug/ml
6) T n-Tetradecane (C14)	8.051	6433374	39.100 ug/ml
7) T n-Hexadecane (C16)	9.645	6671860	38.824 ug/ml
8) T n-Octadecane (C18)	11.083	6585903	37.521 ug/ml
10) T n-Eicosane (C20)	12.389	6671193	38.952 ug/ml
11) T n-Heneicosane (C21)	12.999	6291163	37.505 ug/ml
13) T n-Docosane (C22)	13.584	6155739	36.489 ug/ml
14) T n-Tetracosane (C24)	14.643	12502057	72.999 ug/mlm
15) T n-Hexacosane (C26)	15.705	5753957	34.188 ug/ml
16) T n-Octacosane (C28)	16.651	5538759	33.124 ug/ml
17) T n-Tricontane (C30)	17.540	5414223	31.053 ug/ml
18) T n-Dotriacontane (C32)	18.368	5198635	31.054 ug/ml
19) T n-Tetratriacontane (C34)	19.151	5002100	33.913 ug/ml
20) T n-Hexatriacontane (C36)	19.890	4690133	38.324 ug/ml
21) T n-Octatriacontane (C38)	20.601	4569299	42.551 ug/ml
22) T n-Tetracontane (C40)	21.450	4320321	44.082 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : PB167381BS
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ALS Vial : 12 Sample Multiplier: 1

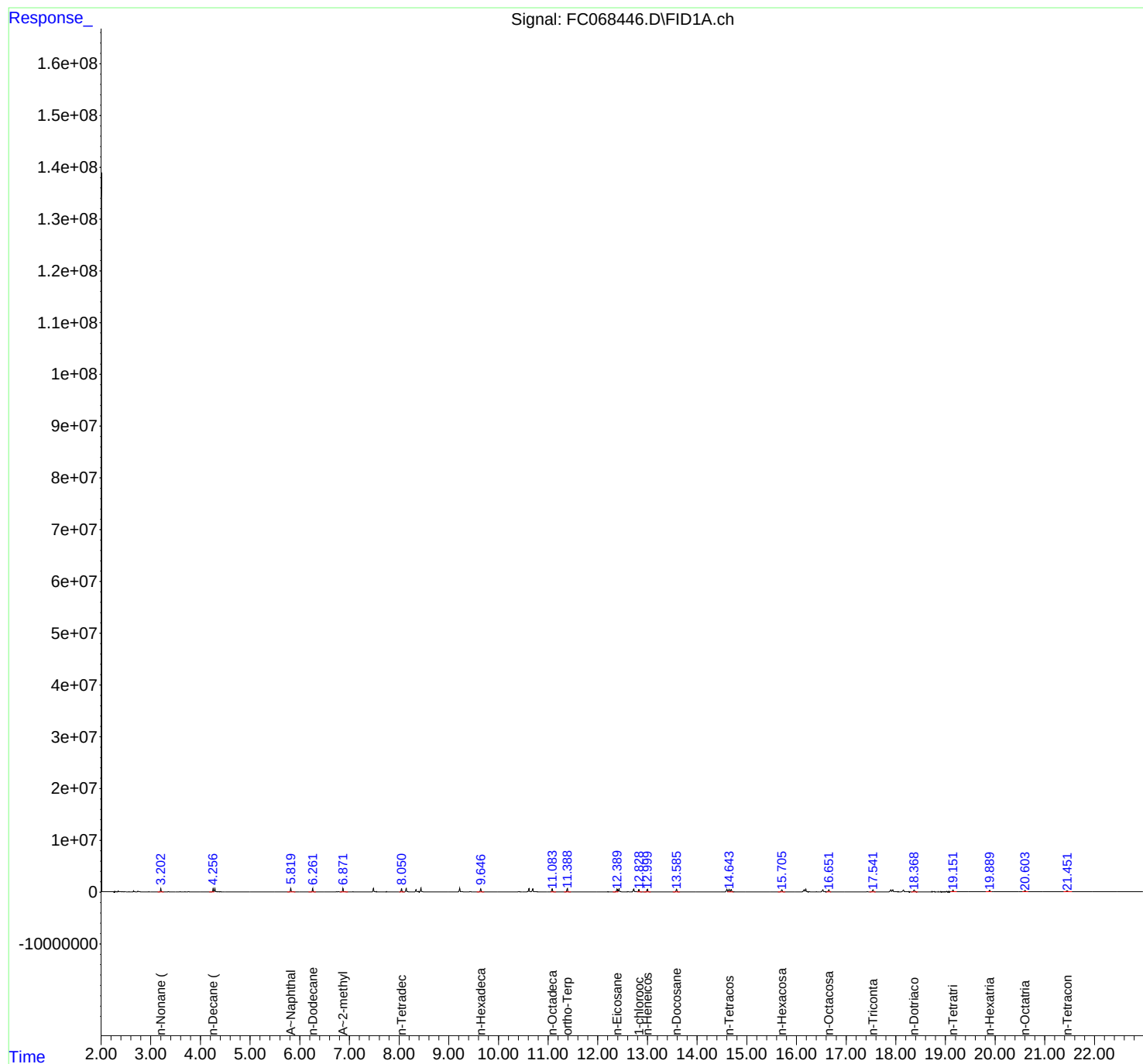
Instrument :
FID_C
ClientSampleId :
PB167381BS

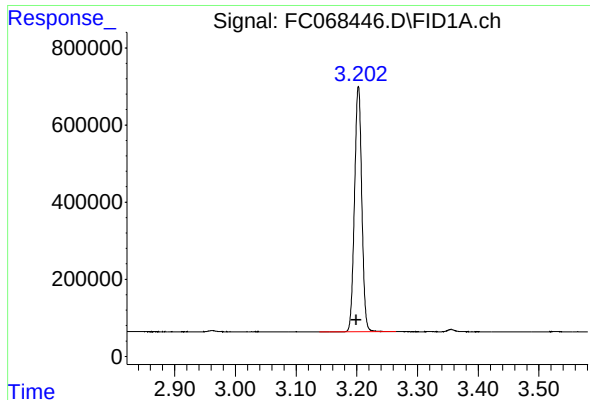
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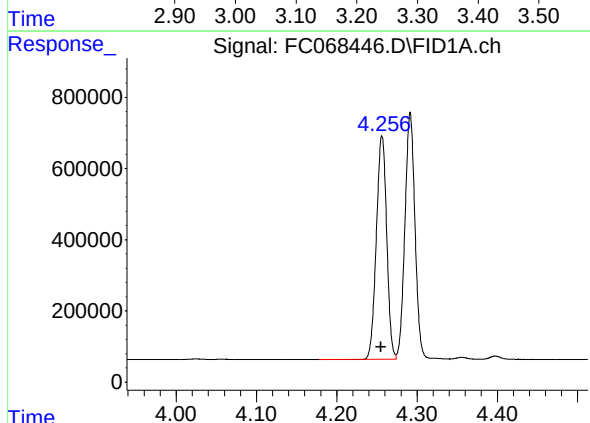
#1 n-Nonane (C9)

R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 5306898
Conc: 33.18 ug/ml

Instrument :
FID_C
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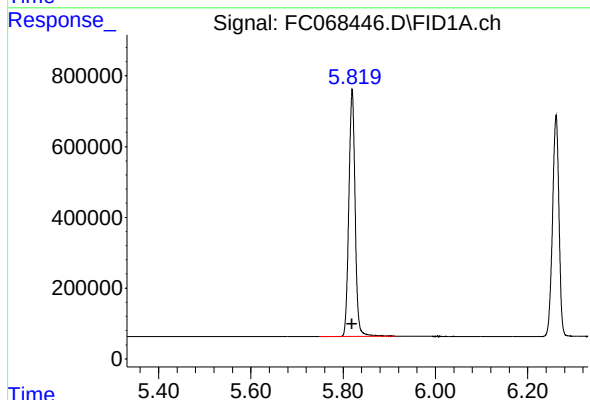
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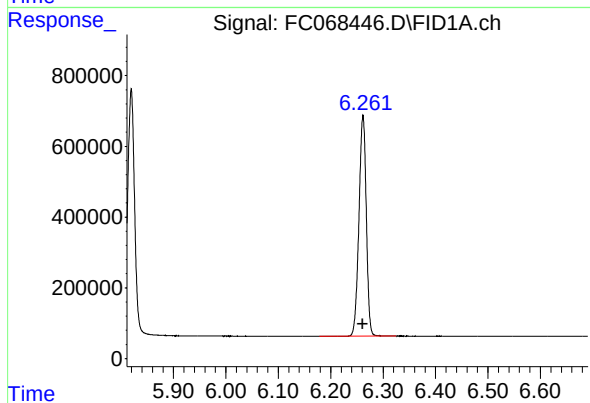
#2 n-Decane (C10)

R.T.: 4.256 min
Delta R.T.: 0.002 min
Response: 5623606
Conc: 34.69 ug/ml



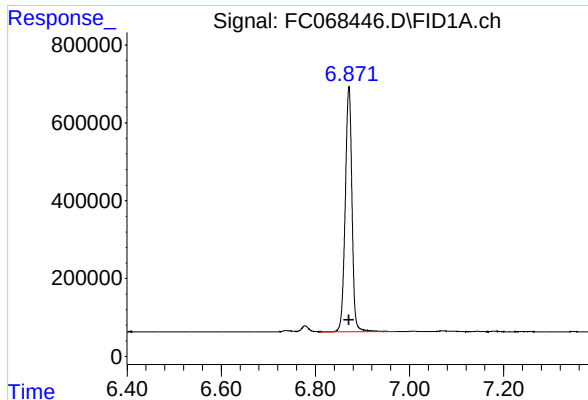
#3 A~Naphthalene (C11.7)

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 6577765
Conc: 37.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 6063272
Conc: 36.77 ug/ml



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

R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 6222859
Conc: 36.58 ug/ml

Instrument :

FID_C

ClientSampleId :

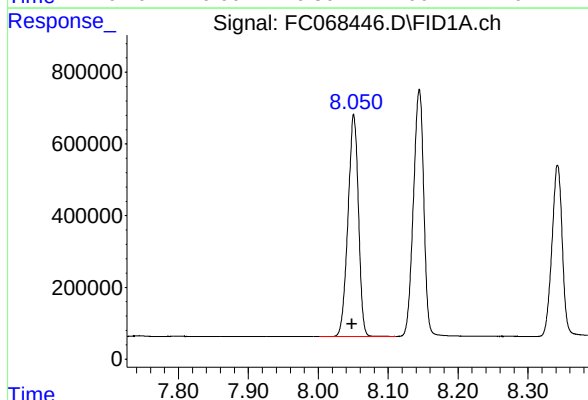
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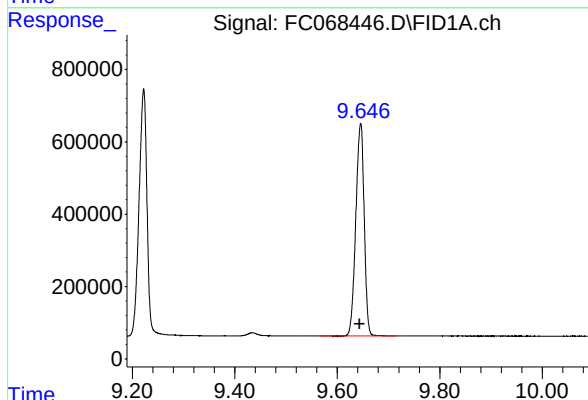
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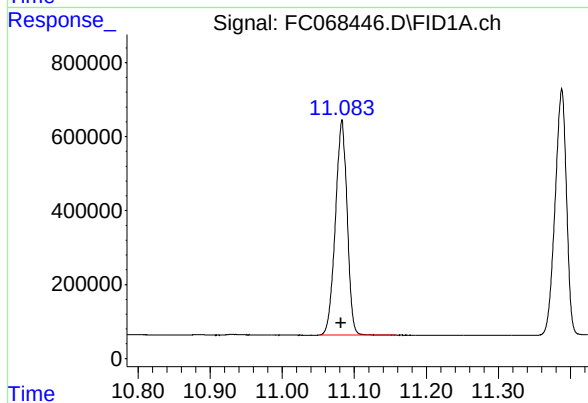
#6 n-Tetradecane (C14)

R.T.: 8.051 min
Delta R.T.: 0.003 min
Response: 6433374
Conc: 39.10 ug/ml



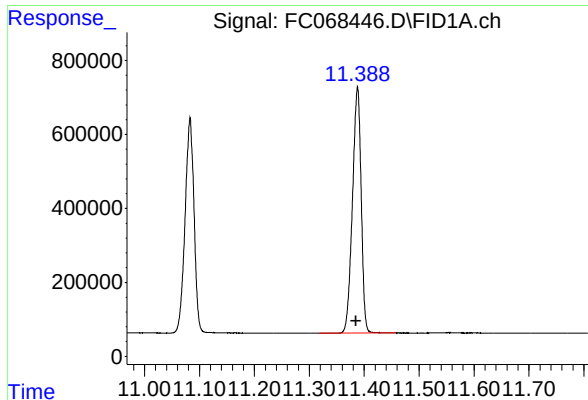
#7 n-Hexadecane (C16)

R.T.: 9.645 min
Delta R.T.: 0.001 min
Response: 6671860
Conc: 38.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.083 min
Delta R.T.: 0.001 min
Response: 6585903
Conc: 37.52 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.388 min
Delta R.T.: 0.003 min
Response: 7332248
Conc: 36.91 ug/ml

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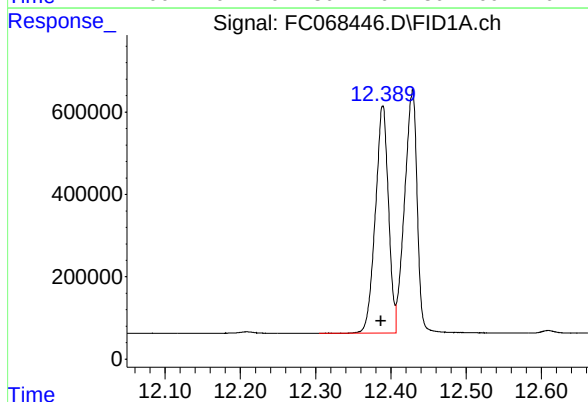
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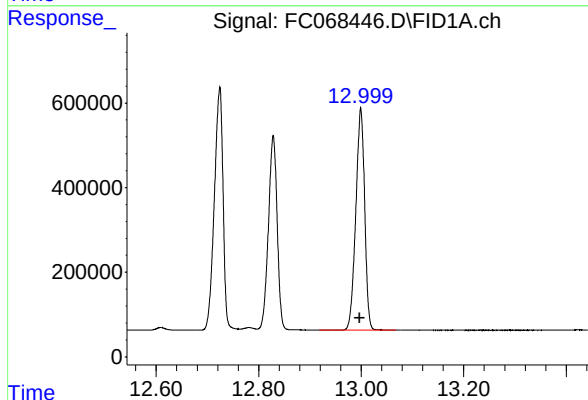
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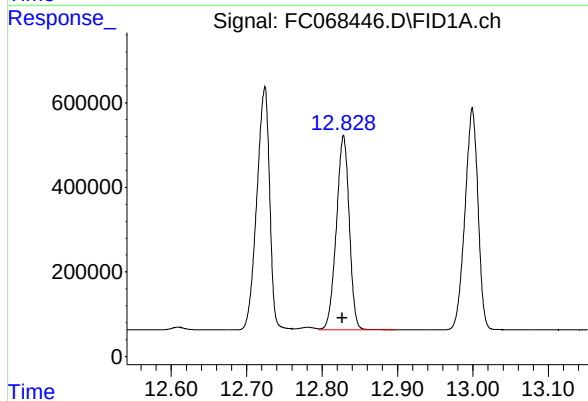
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 6671193
Conc: 38.95 ug/ml



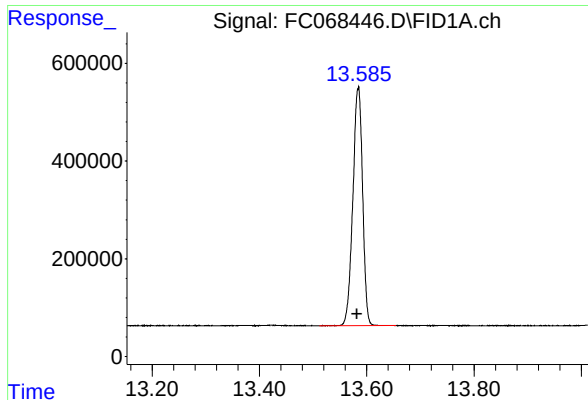
#11 n-Heneicosane (C21)

R.T.: 12.999 min
Delta R.T.: 0.002 min
Response: 6291163
Conc: 37.51 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.001 min
Response: 5457920
Conc: 36.61 ug/ml



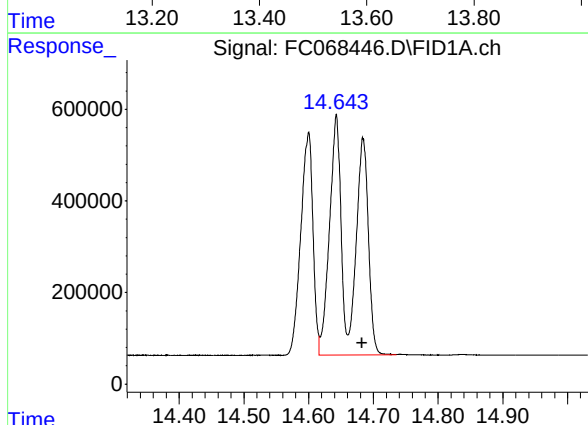
#13 n-Docosane (C22)

R.T.: 13.584 min
Delta R.T.: 0.002 min
Response: 6155739
Conc: 36.49 ug/ml

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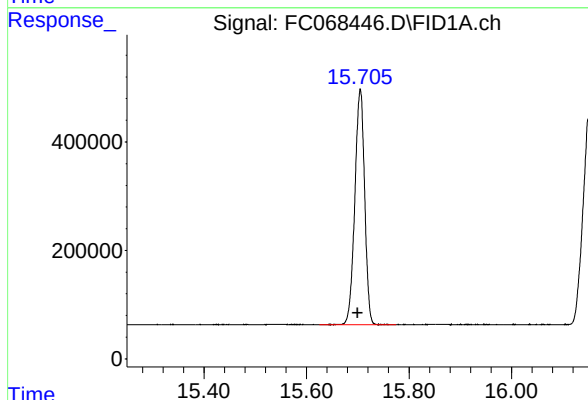
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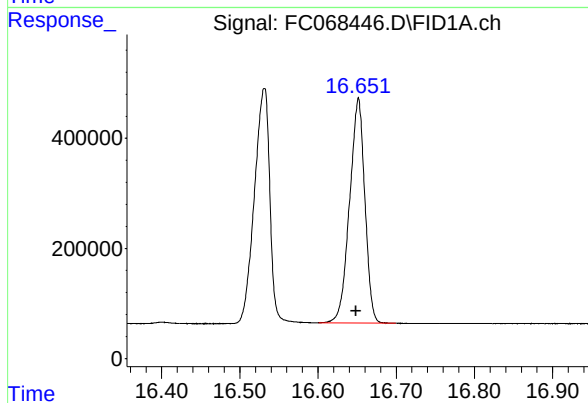
#14 n-Tetracosane (C24)

R.T.: 14.643 min
Delta R.T.: -0.040 min
Response: 12502057
Conc: 73.00 ug/ml m



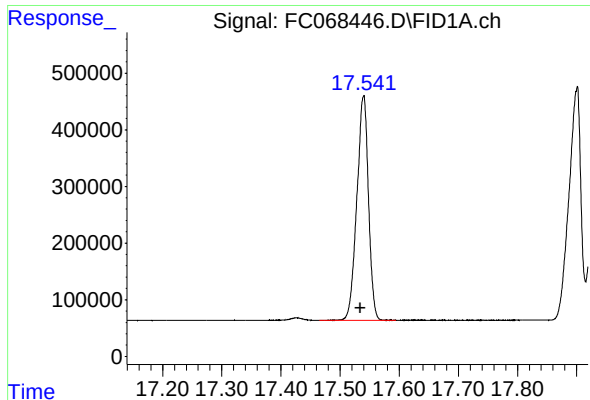
#15 n-Hexacosane (C26)

R.T.: 15.705 min
Delta R.T.: 0.004 min
Response: 5753957
Conc: 34.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.651 min
Delta R.T.: 0.003 min
Response: 5538759
Conc: 33.12 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.540 min
Delta R.T.: 0.005 min
Response: 5414223
Conc: 31.05 ug/ml

Instrument :

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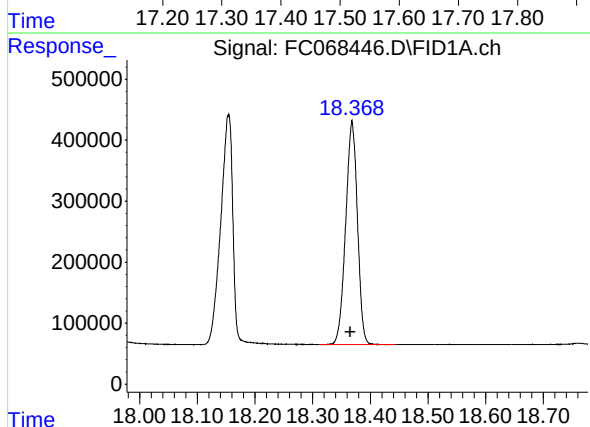
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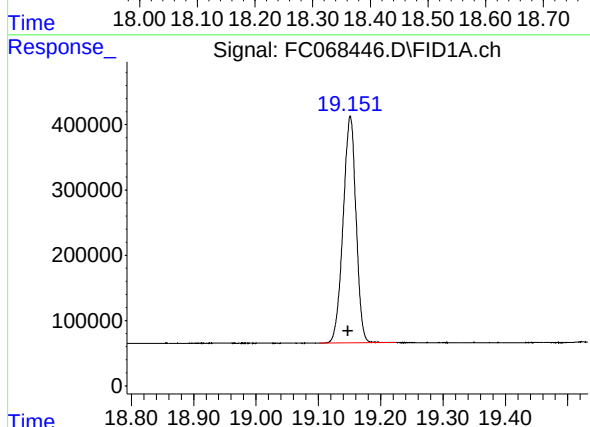
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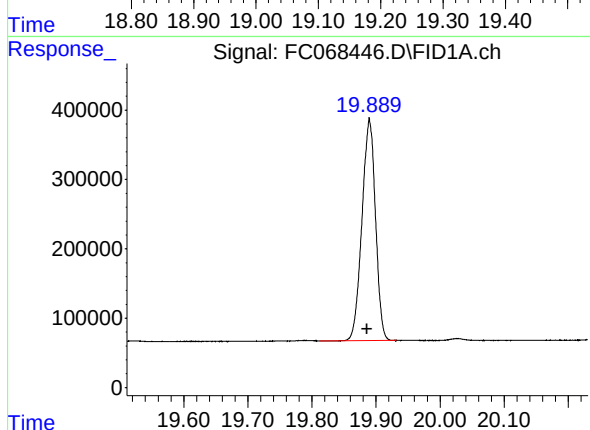
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: 0.003 min
Response: 5198635
Conc: 31.05 ug/ml



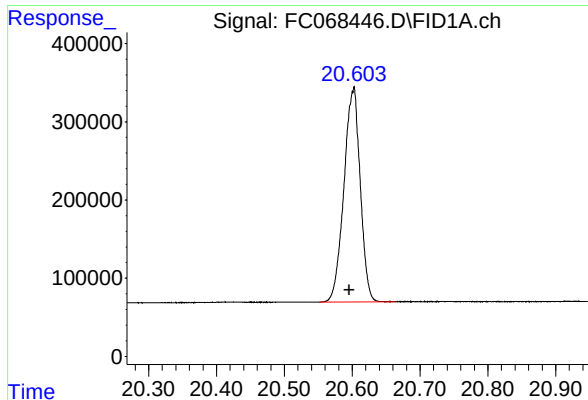
#19 n-Tetratriacontane (C34)

R.T.: 19.151 min
Delta R.T.: 0.004 min
Response: 5002100
Conc: 33.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.890 min
Delta R.T.: 0.004 min
Response: 4690133
Conc: 38.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.601 min
Delta R.T.: 0.005 min
Response: 4569299
Conc: 42.55 ug/ml

Instrument :

FID_C

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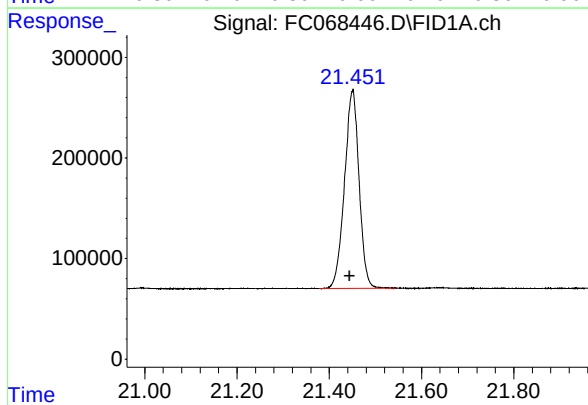
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#22 n-Tetracontane (C40)

R.T.: 21.450 min
Delta R.T.: 0.006 min
Response: 4320321
Conc: 44.08 ug/ml