

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
 Data File : FC069104.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 05:55
 Operator : YP/AJ
 Sample : Q2219-01MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

72-11995MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/06/2025

Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e

Quant Time: Jun 06 07:26:45 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 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)	11.681	6119290	49.611 ug/ml
Spiked Amount 50.000		Recovery =	99.22%
12) S 1-chlorooctadecane (S...	13.116	4738039	52.813 ug/ml
Spiked Amount 50.000		Recovery =	105.63%
Target Compounds			
1) T n-Nonane (C9)	3.403	4333566	40.835 ug/ml
2) T n-Decane (C10)	4.479	4926308	46.515 ug/mlm
3) T A~Naphthalene (C11.7)	6.074	5995266	51.846 ug/ml
4) T n-Dodecane (C12)	6.506	5231971	49.770 ug/ml
5) T A~2-methylnaphthalene...	7.134	5733817	50.576 ug/ml
6) T n-Tetradecane (C14)	8.307	5446265	53.133 ug/ml
7) T n-Hexadecane (C16)	9.911	5874649	57.897 ug/ml
8) T n-Octadecane (C18)	11.359	5853929	58.572 ug/ml
10) T n-Eicosane (C20)	12.671	6133123	62.970 ug/ml
11) T n-Heneicosane (C21)	13.284	5835755	60.629 ug/ml
13) T n-Docosane (C22)	13.871	5798757	60.867 ug/ml
14) T n-Tetracosane (C24)	14.970	12474282	132.490 ug/ml
15) T n-Hexacosane (C26)	16.002	5715400	61.561 ug/ml
16) T n-Octacosane (C28)	16.952	5848161	62.916 ug/ml
17) T n-Tricontane (C30)	17.845	5739884	59.322 ug/ml
18) T n-Dotriacontane (C32)	18.678	5796513	58.493 ug/ml
19) T n-Tetratriacontane (C34)	19.463	5998817	62.242 ug/ml
20) T n-Hexatriacontane (C36)	20.205	5892144	62.068 ug/ml
21) T n-Octatriacontane (C38)	20.977	6063774	66.463 ug/mlm
22) T n-Tetracontane (C40)	21.946	5887641	66.727 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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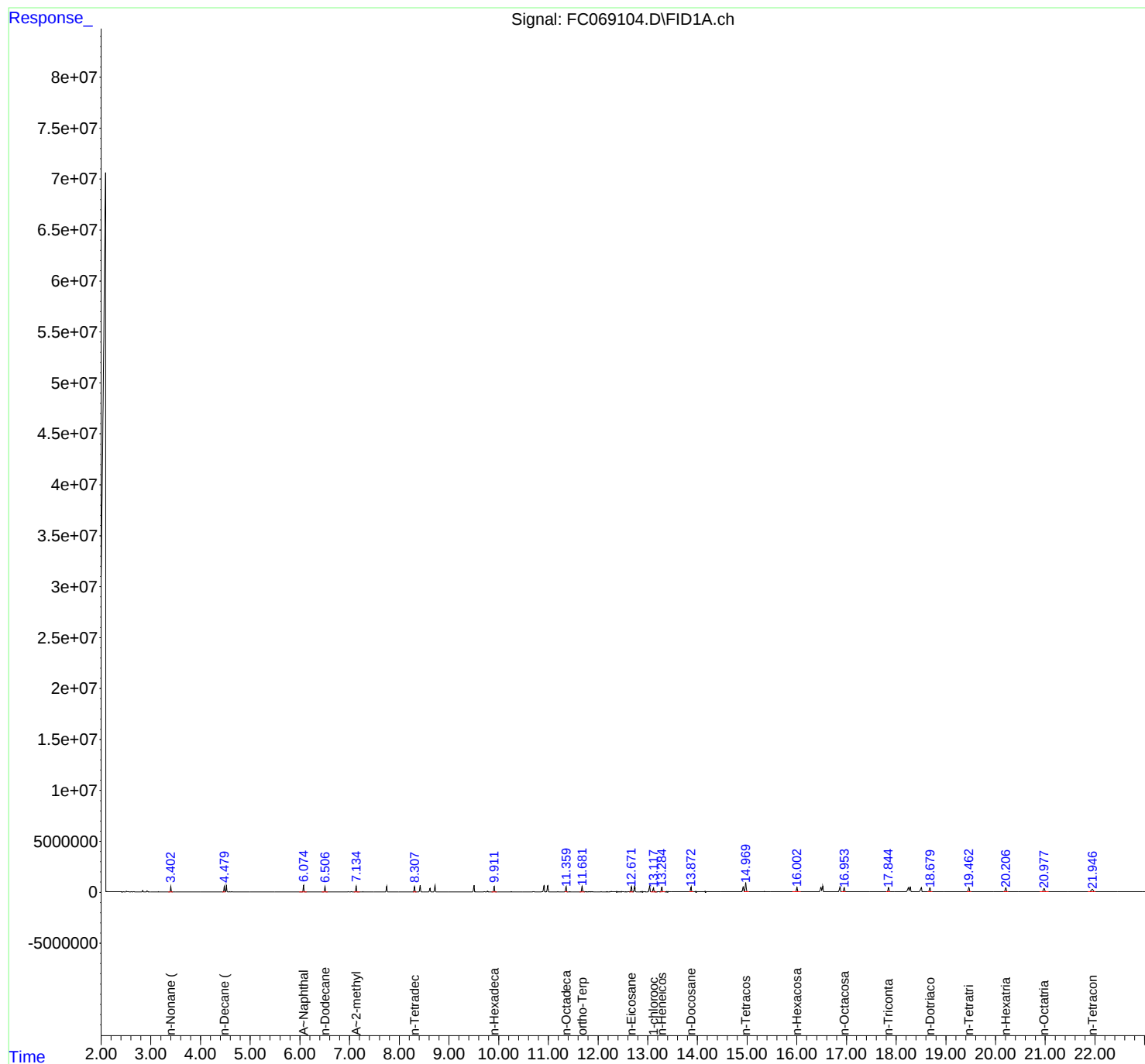
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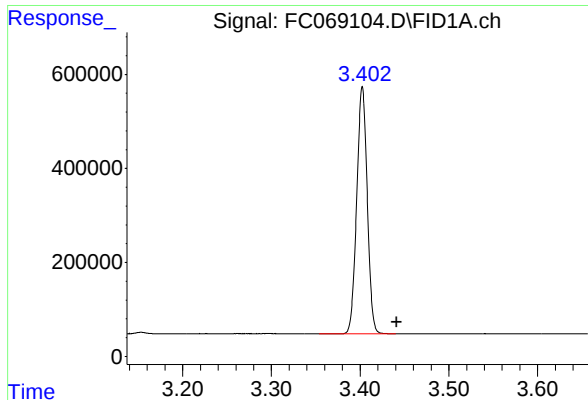
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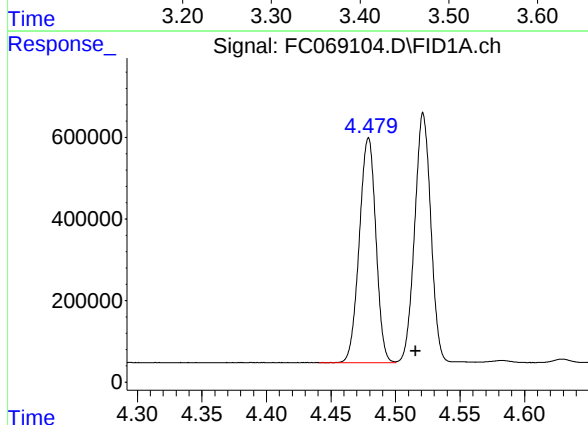
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 4333566
Conc: 40.84 ug/ml

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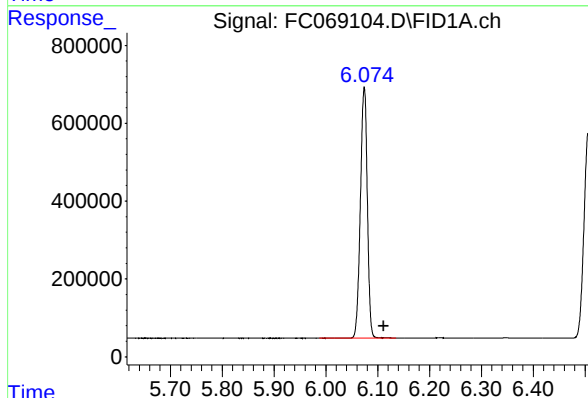
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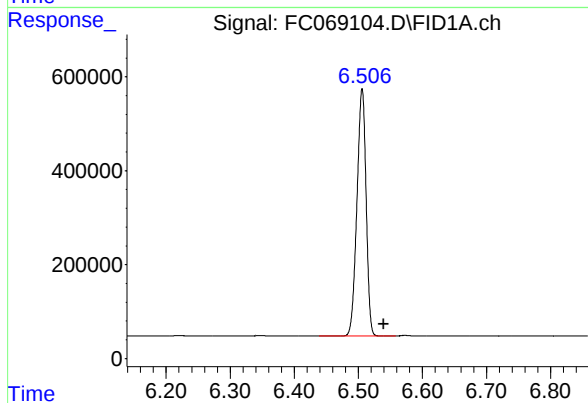
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.037 min
Response: 4926308
Conc: 46.52 ug/ml



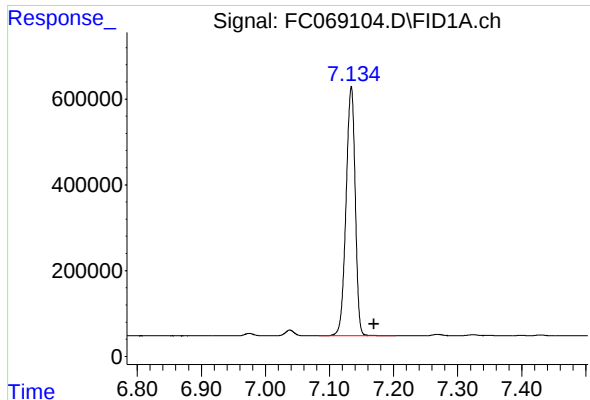
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 5995266
Conc: 51.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 5231971
Conc: 49.77 ug/ml



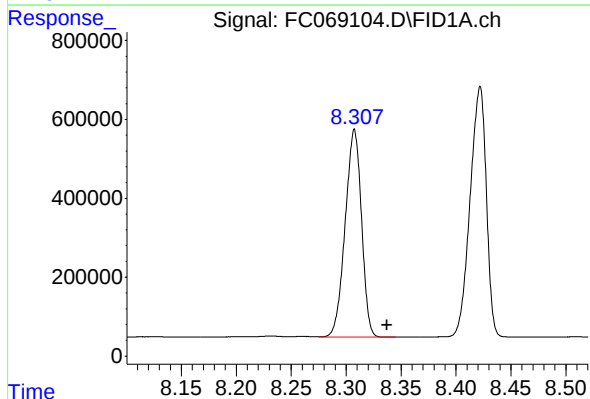
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.036 min
Response: 5733817
Conc: 50.58 ug/ml

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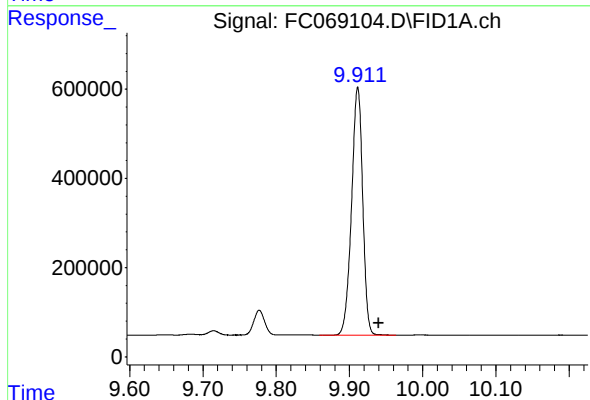
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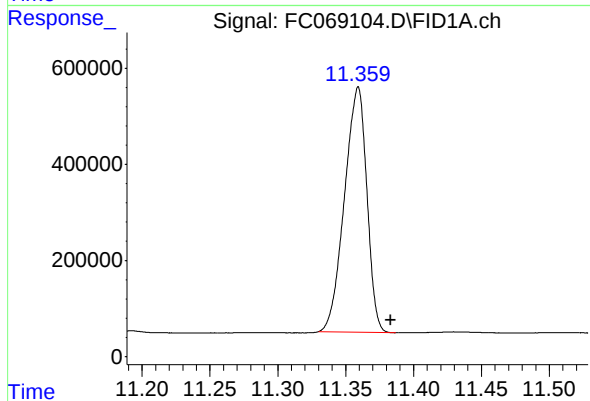
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: -0.030 min
Response: 5446265
Conc: 53.13 ug/ml



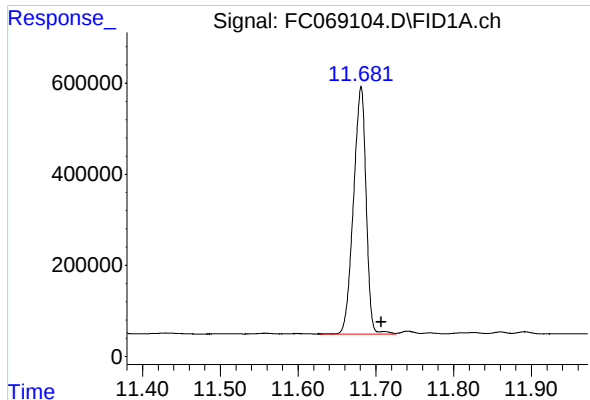
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: -0.029 min
Response: 5874649
Conc: 57.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.359 min
Delta R.T.: -0.024 min
Response: 5853929
Conc: 58.57 ug/ml



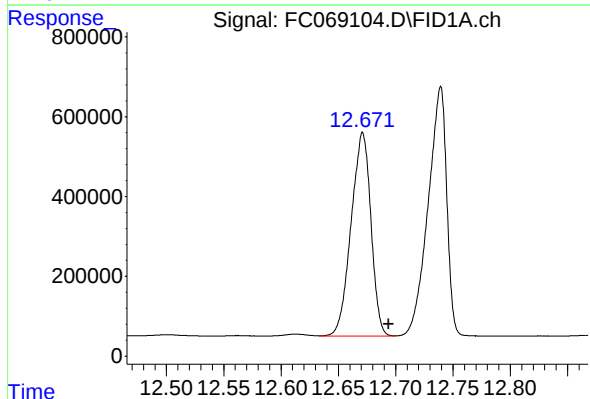
#9 ortho-Terphenyl (SURR)

R.T.: 11.681 min
Delta R.T.: -0.026 min
Response: 6119290
Conc: 49.61 ug/ml

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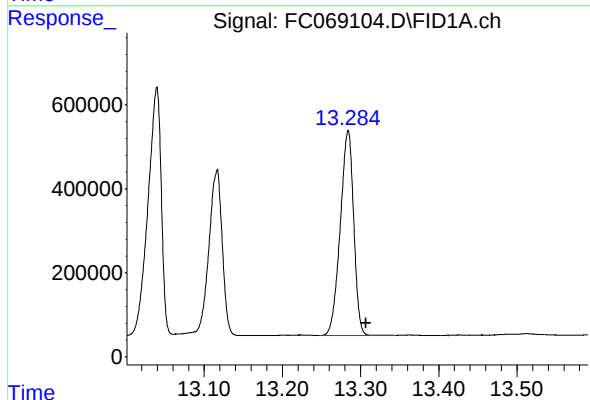
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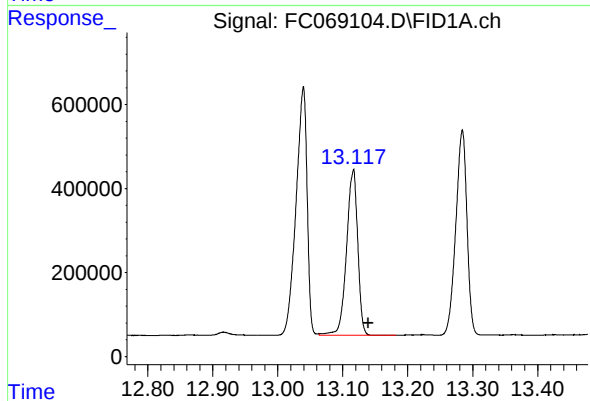
#10 n-Eicosane (C20)

R.T.: 12.671 min
Delta R.T.: -0.023 min
Response: 6133123
Conc: 62.97 ug/ml



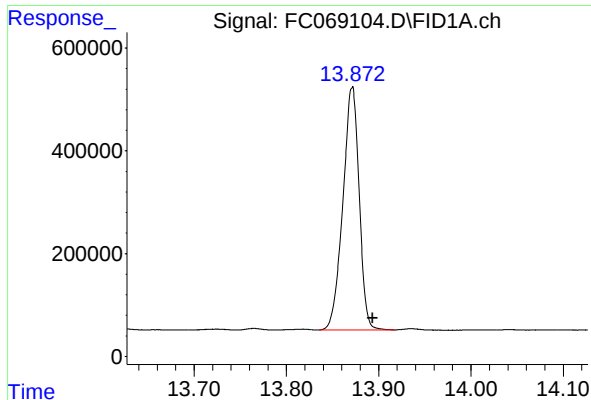
#11 n-Heneicosane (C21)

R.T.: 13.284 min
Delta R.T.: -0.023 min
Response: 5835755
Conc: 60.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: -0.024 min
Response: 4738039
Conc: 52.81 ug/ml



#13 n-Docosane (C22)

R.T.: 13.871 min
Delta R.T.: -0.022 min
Response: 5798757
Conc: 60.87 ug/ml

Instrument :

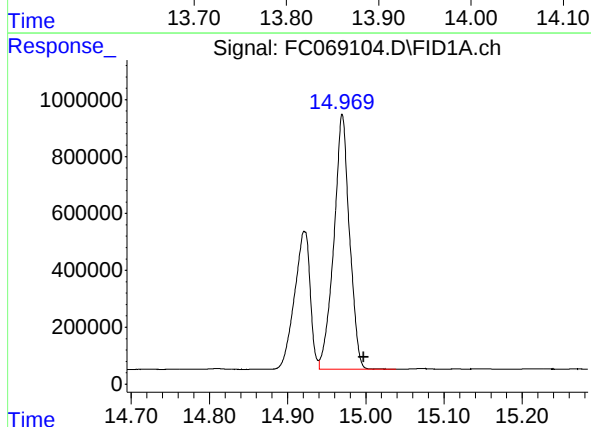
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ClientSampleId :

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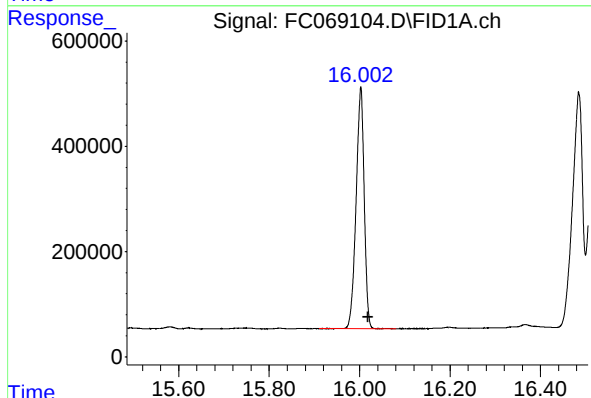
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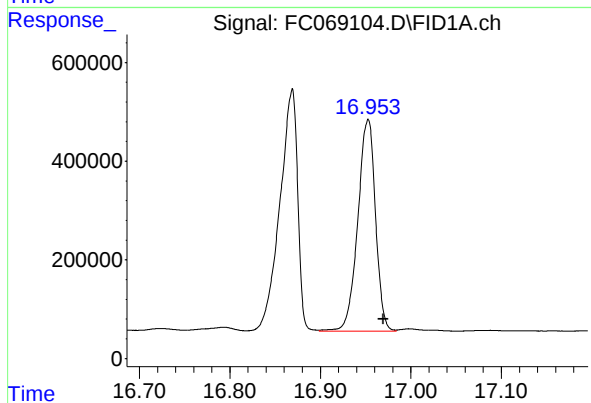
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.027 min
Response: 12474282
Conc: 132.49 ug/ml



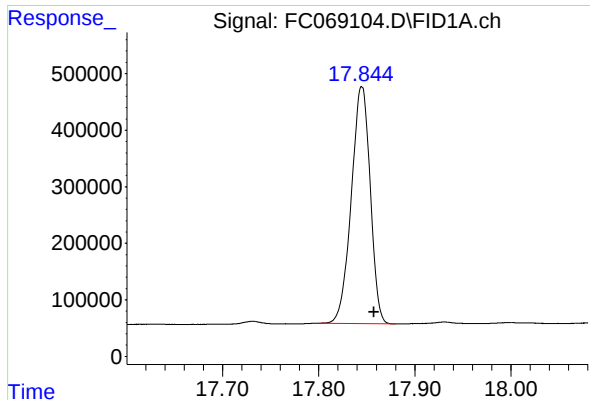
#15 n-Hexacosane (C26)

R.T.: 16.002 min
Delta R.T.: -0.016 min
Response: 5715400
Conc: 61.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.952 min
Delta R.T.: -0.017 min
Response: 5848161
Conc: 62.92 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.845 min
Delta R.T.: -0.013 min
Response: 5739884
Conc: 59.32 ug/ml

Instrument :

FID_C

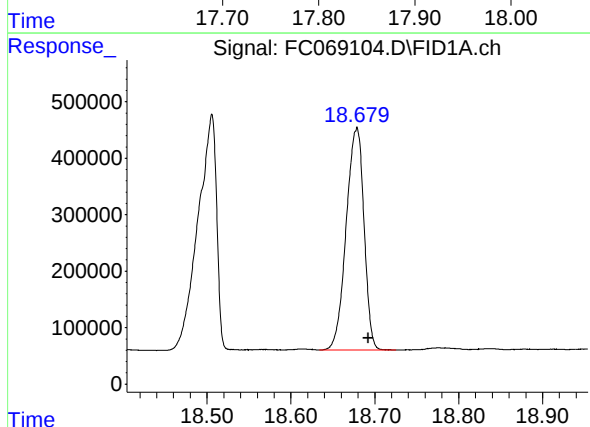
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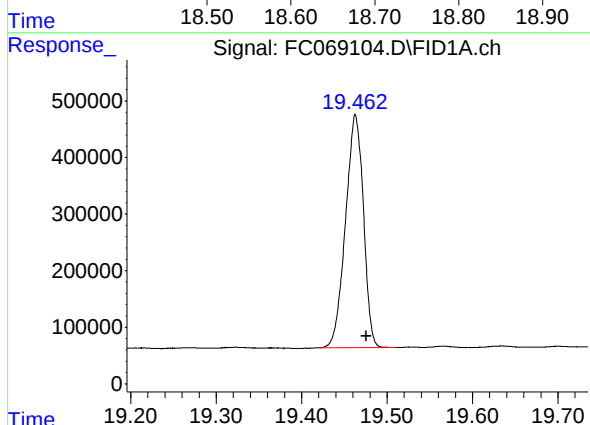
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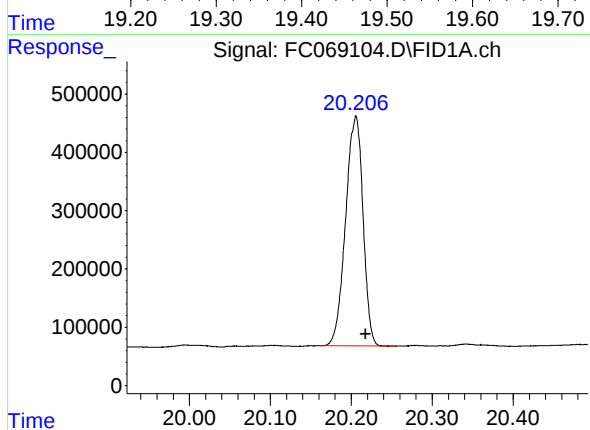
#18 n-Dotriacontane (C32)

R.T.: 18.678 min
Delta R.T.: -0.014 min
Response: 5796513
Conc: 58.49 ug/ml



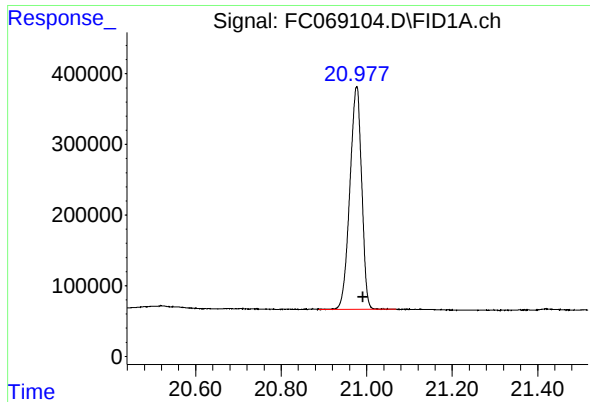
#19 n-Tetratriacontane (C34)

R.T.: 19.463 min
Delta R.T.: -0.013 min
Response: 5998817
Conc: 62.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.205 min
Delta R.T.: -0.013 min
Response: 5892144
Conc: 62.07 ug/ml



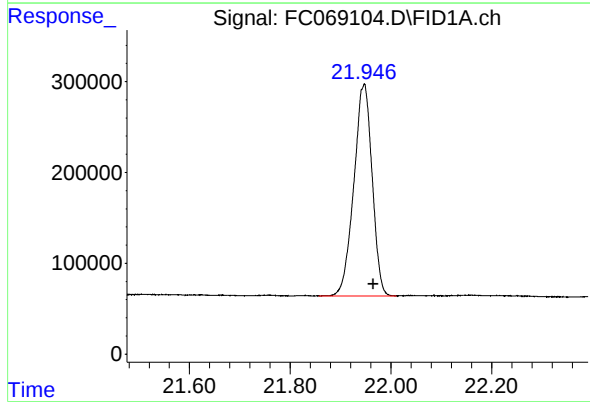
#21 n-Octatriacontane (C38)

R.T.: 20.977 min
Delta R.T.: -0.014 min
Response: 6063774
Conc: 66.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.946 min
Delta R.T.: -0.019 min
Response: 5887641
Conc: 66.73 ug/ml m