

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061925AL\
 Data File : FC069237.D
 Signal(s) : FID1A.ch
 Acq On : 19 Jun 2025 17:39
 Operator : YP/AJ
 Sample : Q2358-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

NB-07-06182025MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/20/2025

Supervised By :mohammad ahmed 06/23/2025

Integration File: autoint1.e

Quant Time: Jun 20 01:10:00 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M

Quant Title : GC Extractables

QLast Update : Wed Jun 18 14:24:27 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)	11.684	5163432	29.888 ug/ml
Spiked Amount 50.000		Recovery =	59.78%
12) S 1-chlorooctadecane (S...	13.121	3962733	30.333 ug/ml
Spiked Amount 50.000		Recovery =	60.67%
Target Compounds			
1) T n-Nonane (C9)	3.414	4146202	29.154 ug/ml
2) T n-Decane (C10)	4.487	4715026	32.207 ug/ml
3) T A~Naphthalene (C11.7)	6.080	6210449	38.600 ug/ml
4) T n-Dodecane (C12)	6.510	5748300	37.961 ug/ml
5) T A~2-methylnaphthalene...	7.140	6515730	41.174 ug/ml
6) T n-Tetradecane (C14)	8.313	6882462	44.402 ug/ml
7) T n-Hexadecane (C16)	9.917	7432247	45.481 ug/ml
8) T n-Octadecane (C18)	11.363	7024063	43.021 ug/ml
10) T n-Eicosane (C20)	12.676	6964595	45.628 ug/ml
11) T n-Heneicosane (C21)	13.289	6430460	43.628 ug/ml
13) T n-Docosane (C22)	13.876	6092530	42.344 ug/ml
14) T n-Tetracosane (C24)	14.975	11733249	85.066 ug/ml
15) T n-Hexacosane (C26)	16.006	5461258	41.777 ug/ml
16) T n-Octacosane (C28)	16.956	5183999	42.034 ug/ml
17) T n-Tricontane (C30)	17.847	5005714	42.106 ug/ml
18) T n-Dotriacontane (C32)	18.680	4833288	44.205 ug/ml
19) T n-Tetratriacontane (C34)	19.466	4905210	50.796 ug/ml
20) T n-Hexatriacontane (C36)	20.208	4630668	56.189 ug/ml
21) T n-Octatriacontane (C38)	20.982	4813102	64.406 ug/ml
22) T n-Tetracontane (C40)	21.955	4443428	62.746 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : Q2358-01MS
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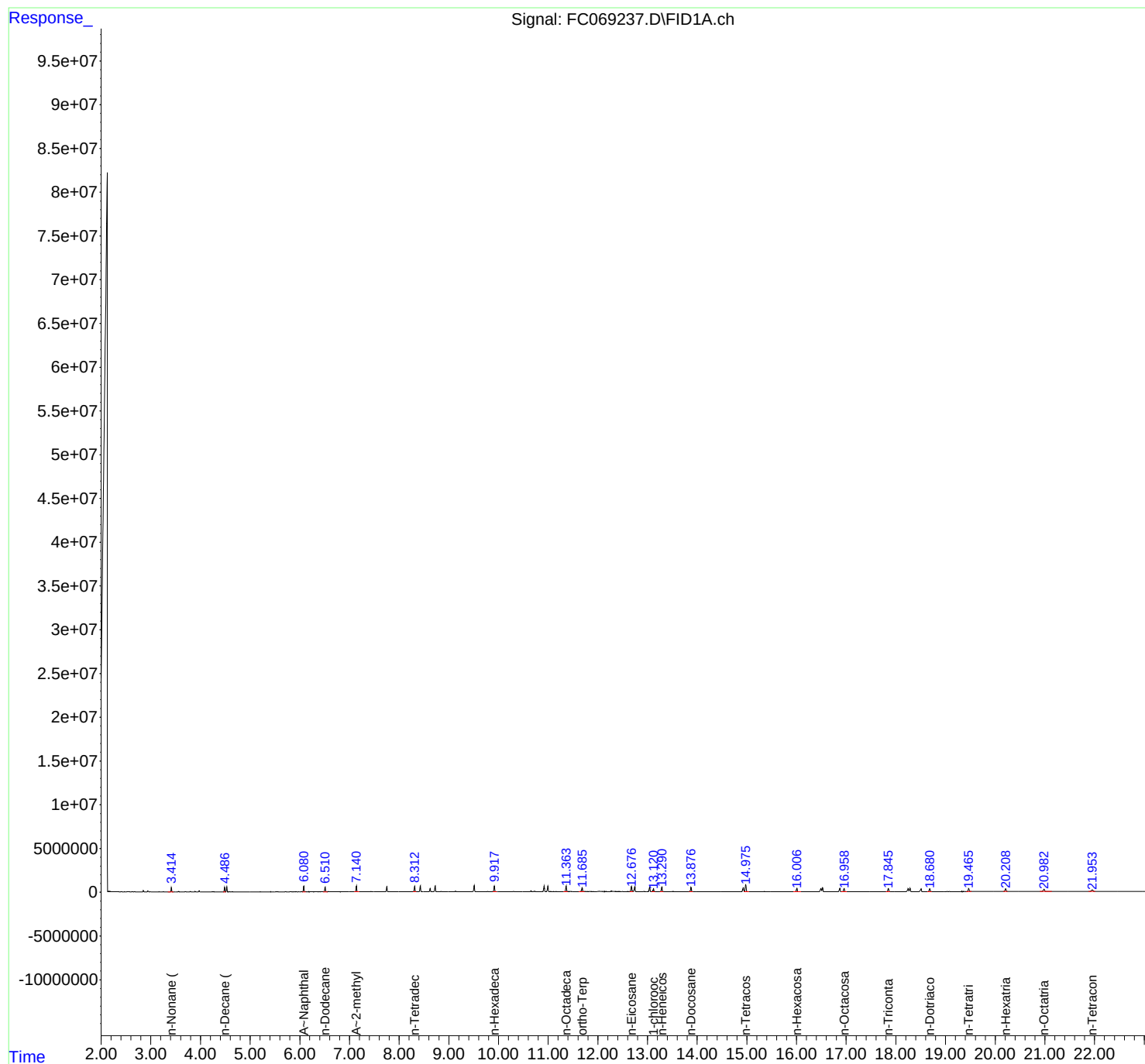
Instrument :
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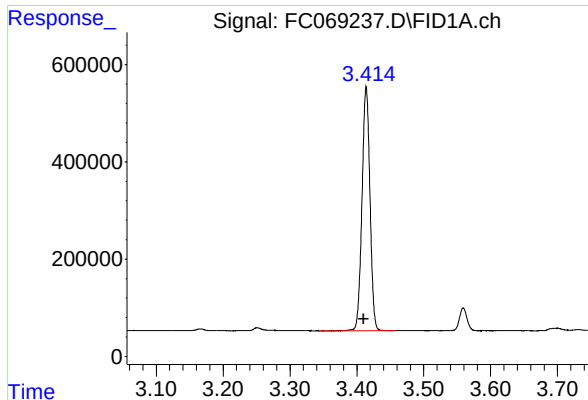
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Volume Inj. : 1 ul
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Signal Info : 20M x 0.18mm x 0.18um





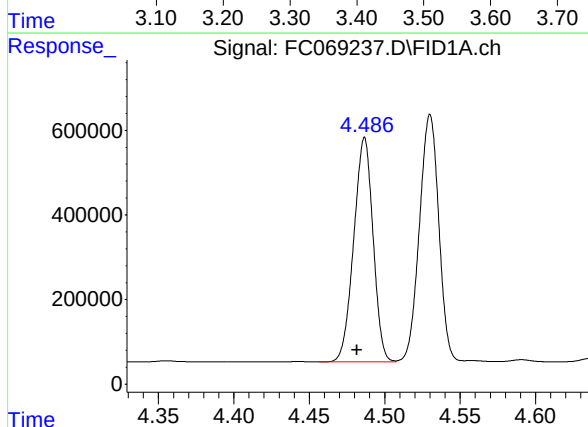
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.004 min
Response: 4146202
Conc: 29.15 ug/ml

Instrument :
FID_C
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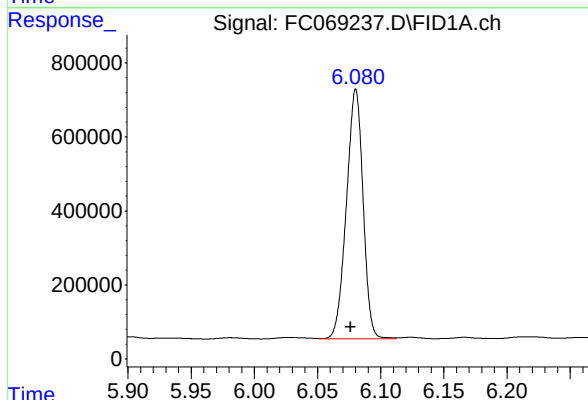
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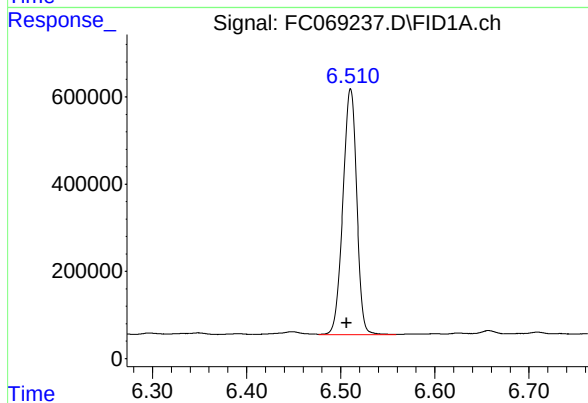
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: 0.005 min
Response: 4715026
Conc: 32.21 ug/ml



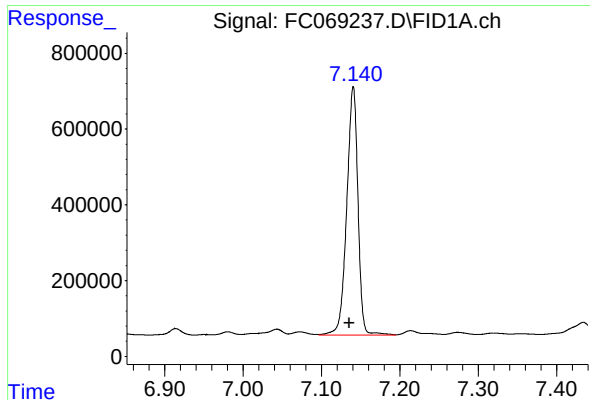
#3 A~Naphthalene (C11.7)

R.T.: 6.080 min
Delta R.T.: 0.004 min
Response: 6210449
Conc: 38.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.510 min
Delta R.T.: 0.004 min
Response: 5748300
Conc: 37.96 ug/ml



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

R.T.: 7.140 min
Delta R.T.: 0.005 min
Response: 6515730
Conc: 41.17 ug/ml

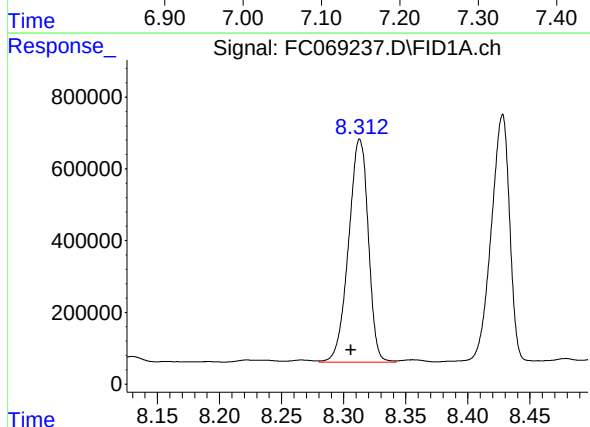
Instrument :

FID_C

ClientSampleId :
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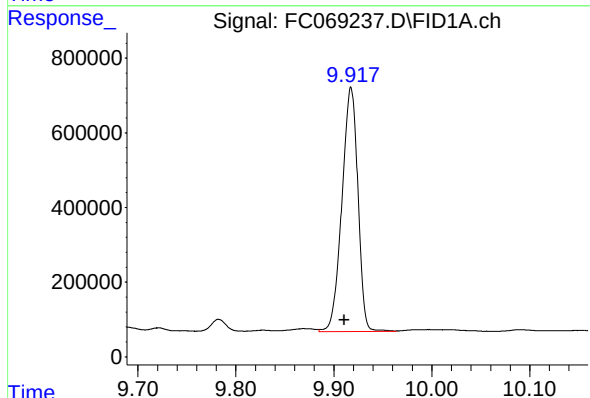
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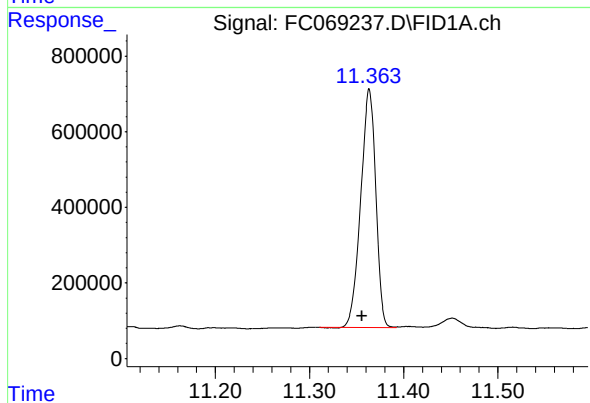
#6 n-Tetradecane (C14)

R.T.: 8.313 min
Delta R.T.: 0.007 min
Response: 6882462
Conc: 44.40 ug/ml



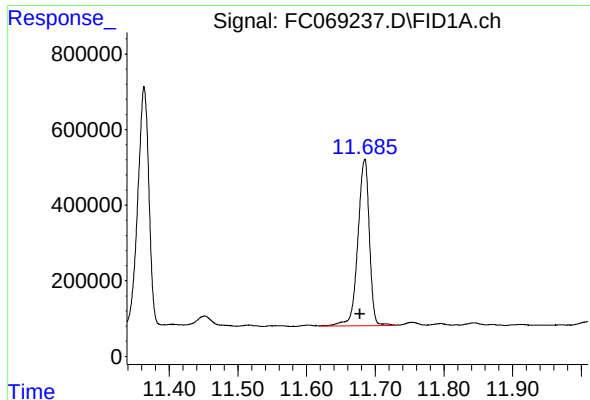
#7 n-Hexadecane (C16)

R.T.: 9.917 min
Delta R.T.: 0.007 min
Response: 7432247
Conc: 45.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.363 min
Delta R.T.: 0.008 min
Response: 7024063
Conc: 43.02 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.684 min
Delta R.T.: 0.006 min
Response: 5163432
Conc: 29.89 ug/ml

Instrument :

FID_C

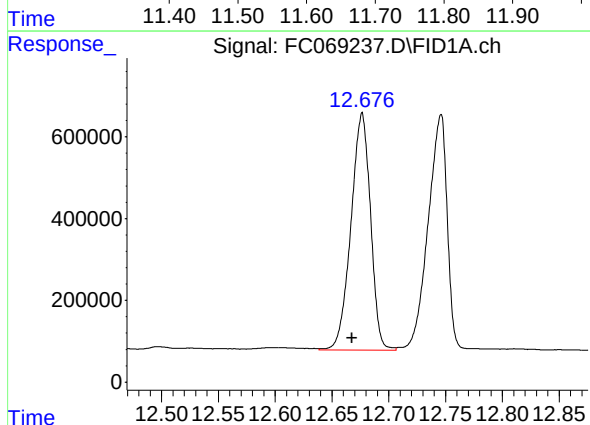
ClientSampleId :

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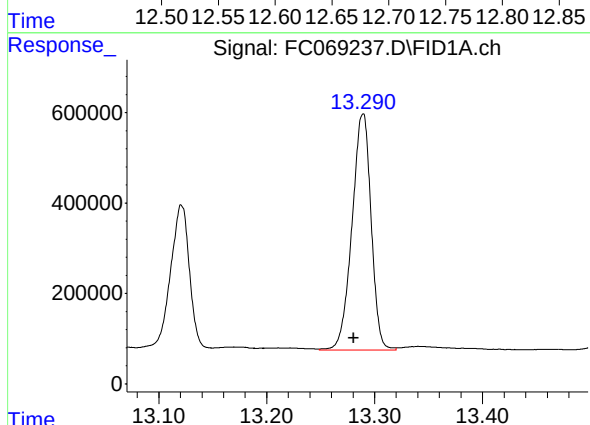
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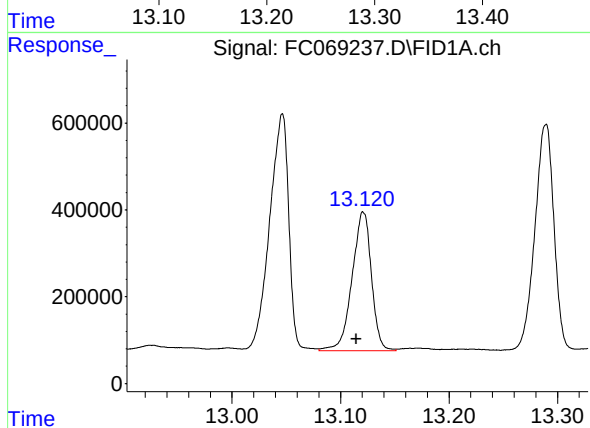
#10 n-Eicosane (C20)

R.T.: 12.676 min
Delta R.T.: 0.009 min
Response: 6964595
Conc: 45.63 ug/ml



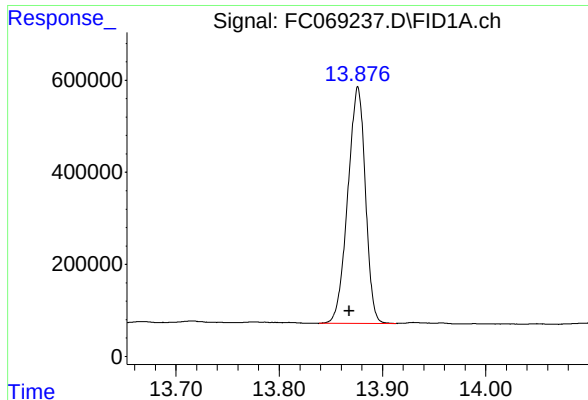
#11 n-Heneicosane (C21)

R.T.: 13.289 min
Delta R.T.: 0.008 min
Response: 6430460
Conc: 43.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.121 min
Delta R.T.: 0.007 min
Response: 3962733
Conc: 30.33 ug/ml



#13 n-Docosane (C22)

R.T.: 13.876 min
Delta R.T.: 0.008 min
Response: 6092530
Conc: 42.34 ug/ml

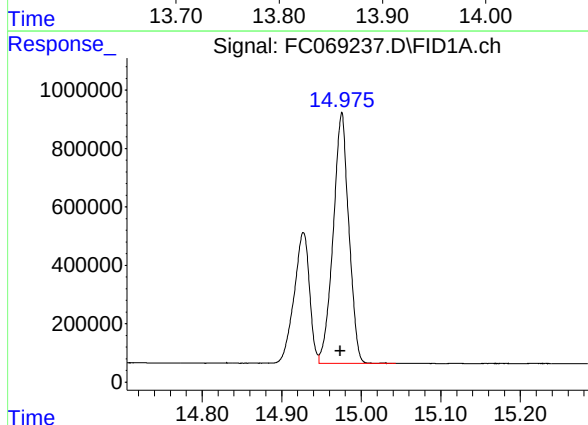
Instrument :

FID_C

ClientSampleId :
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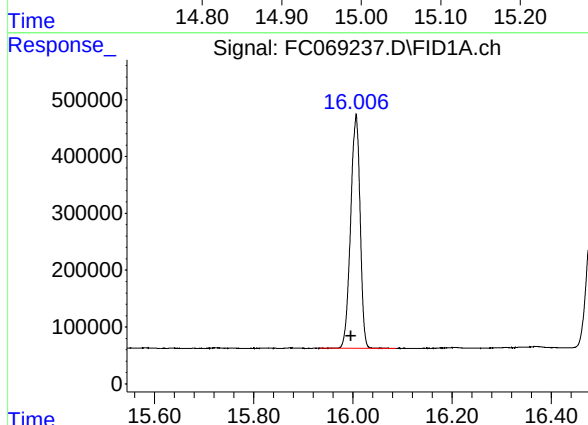
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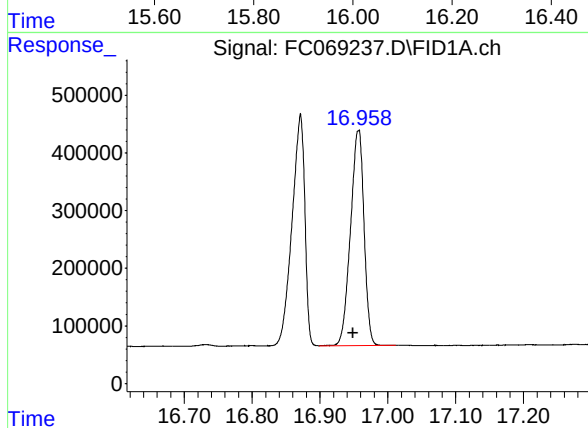
#14 n-Tetracosane (C24)

R.T.: 14.975 min
Delta R.T.: 0.002 min
Response: 11733249
Conc: 85.07 ug/ml



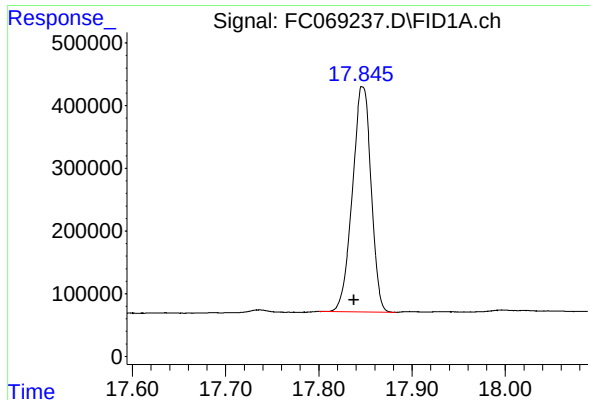
#15 n-Hexacosane (C26)

R.T.: 16.006 min
Delta R.T.: 0.010 min
Response: 5461258
Conc: 41.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.956 min
Delta R.T.: 0.008 min
Response: 5183999
Conc: 42.03 ug/ml



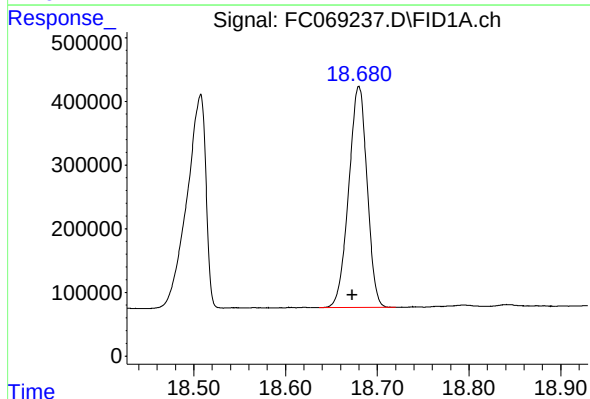
#17 n-Tricontane (C30)

R.T.: 17.847 min
Delta R.T.: 0.009 min
Response: 5005714
Conc: 42.11 ug/ml

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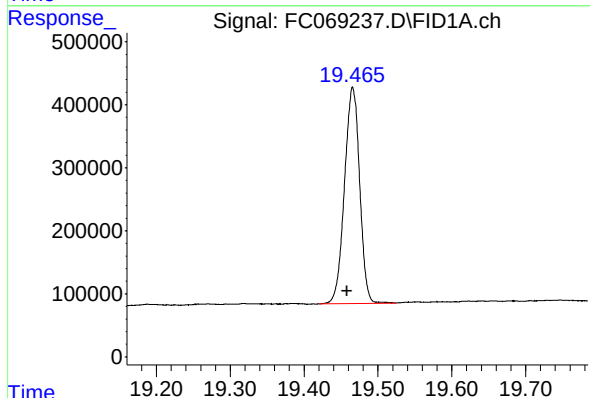
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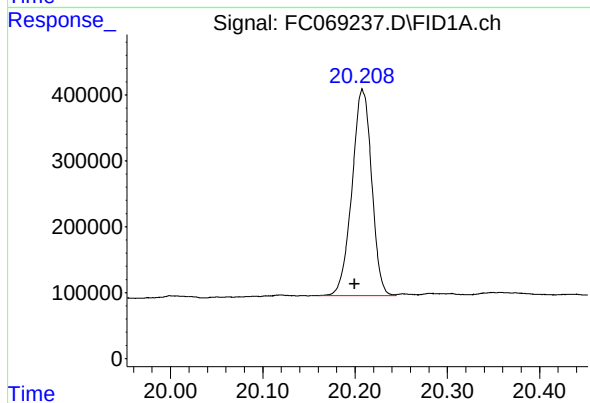
#18 n-Dotriacontane (C32)

R.T.: 18.680 min
Delta R.T.: 0.007 min
Response: 4833288
Conc: 44.21 ug/ml m



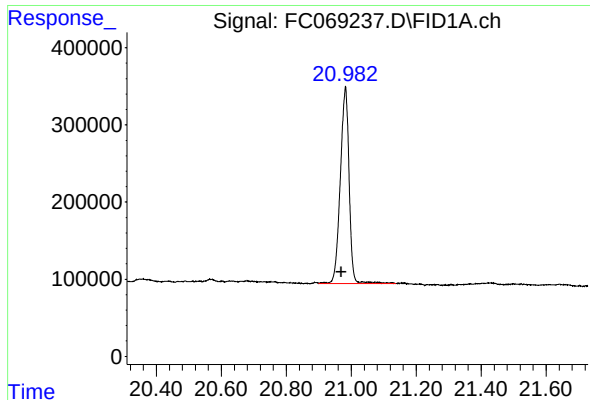
#19 n-Tetatriacontane (C34)

R.T.: 19.466 min
Delta R.T.: 0.008 min
Response: 4905210
Conc: 50.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.208 min
Delta R.T.: 0.009 min
Response: 4630668
Conc: 56.19 ug/ml



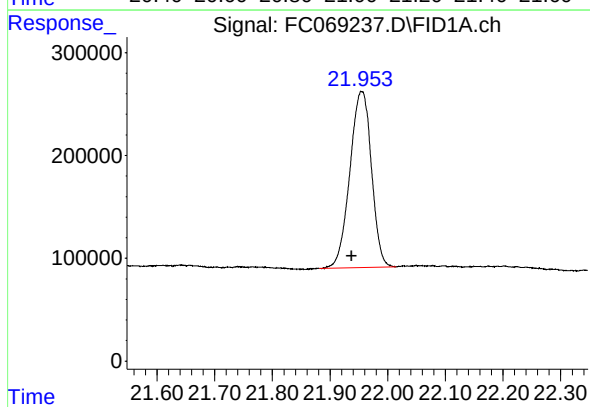
#21 n-Octatriacontane (C38)

R.T.: 20.982 min
Delta R.T.: 0.013 min
Response: 4813102
Conc: 64.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.955 min
Delta R.T.: 0.017 min
Response: 4443428
Conc: 62.75 ug/ml