

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AL\
 Data File : FF016012.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 21:23
 Operator : YP\AJ
 Sample : Q2126-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 17 01:56:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:15:40 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			
12) S 1-chlorooctadecane (S...	13.441	5414309	48.290 ug/ml
Spiked Amount 50.000		Recovery =	96.58%
Target Compounds			
1) T n-Nonane (C9)	3.366	316691	2.701 ug/ml
2) T n-Decane (C10)	4.624	394377	3.295 ug/ml
4) T n-Dodecane (C12)	6.797	453094	3.743 ug/ml
6) T n-Tetradecane (C14)	8.628	497938	4.095 ug/ml
7) T n-Hexadecane (C16)	10.236	480820	3.799 ug/ml
8) T n-Octadecane (C18)	11.680	522411	4.006 ug/ml
10) T n-Eicosane (C20)	12.991	558497	4.349 ug/ml
11) T n-Heneicosane (C21)	13.605	527877	4.145 ug/ml
13) T n-Docosane (C22)	14.191	545296	4.262 ug/ml
14) T n-Tetracosane (C24)	15.297	556001	4.286 ug/ml
15) T n-Hexacosane (C26)	16.319	543906	4.240 ug/ml
16) T n-Octacosane (C28)	17.269	566598	4.517 ug/mlm
17) T n-Tricontane (C30)	18.159	621773	4.971 ug/ml
18) T n-Dotriacontane (C32)	18.994	620148	5.245 ug/mlm
19) T n-Tetratriacontane (C34)	19.779	569268	5.402 ug/mlm
20) T n-Hexatriacontane (C36)	20.519	515130	5.724 ug/ml
21) T n-Octatriacontane (C38)	21.281	456038	5.643 ug/ml
22) T n-Tetracontane (C40)	22.237	418878	5.664 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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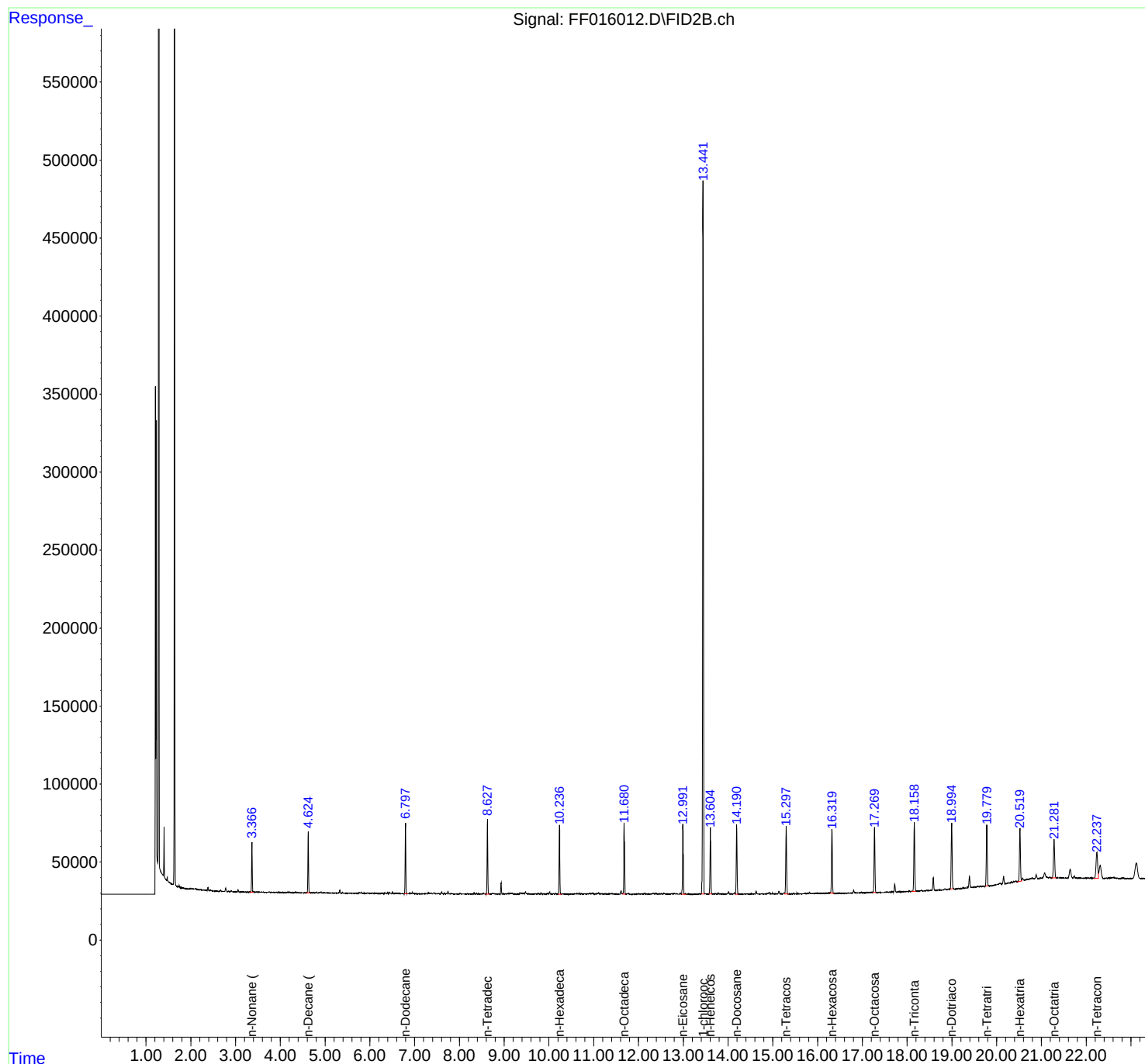
Instrument :
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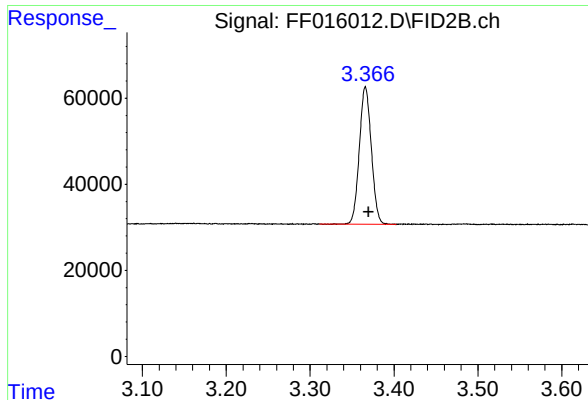
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.366 min
Delta R.T.: -0.004 min
Response: 316691
Conc: 2.70 ug/ml

Instrument :

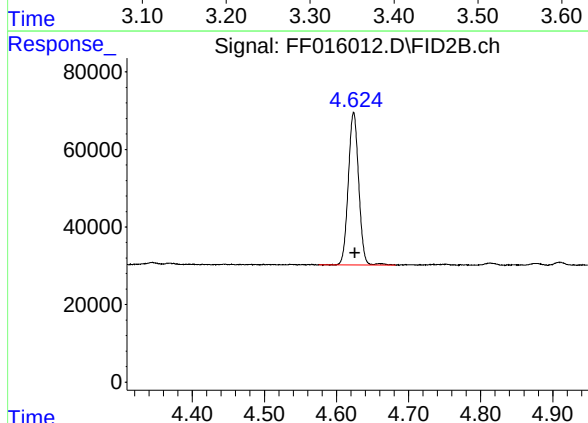
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ClientSampleId :

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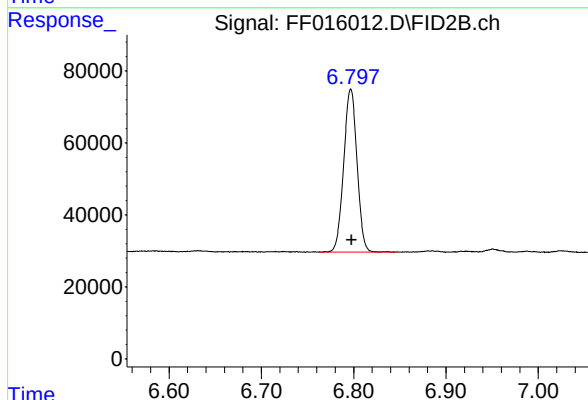
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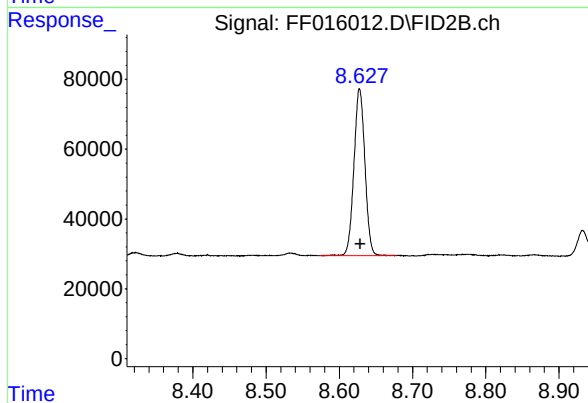
#2 n-Decane (C10)

R.T.: 4.624 min
Delta R.T.: -0.002 min
Response: 394377
Conc: 3.30 ug/ml



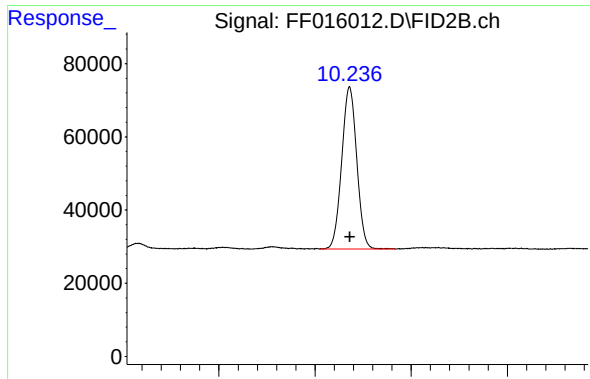
#4 n-Dodecane (C12)

R.T.: 6.797 min
Delta R.T.: -0.001 min
Response: 453094
Conc: 3.74 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.628 min
Delta R.T.: -0.001 min
Response: 497938
Conc: 4.09 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 480820
Conc: 3.80 ug/ml

Instrument :

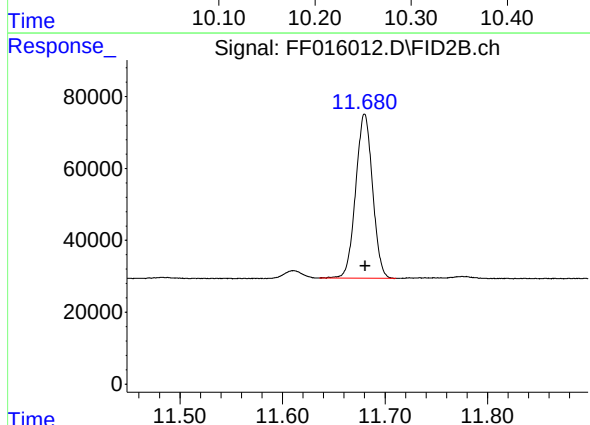
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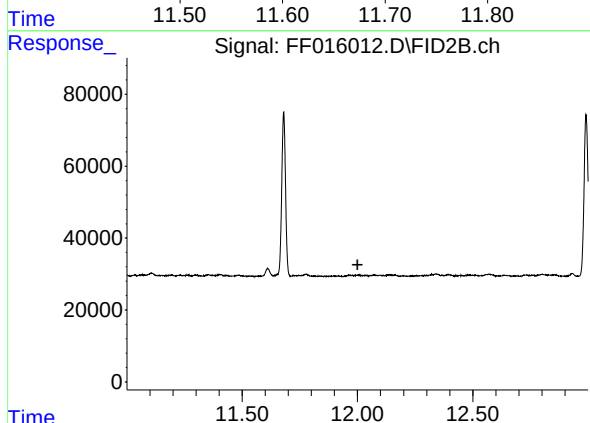
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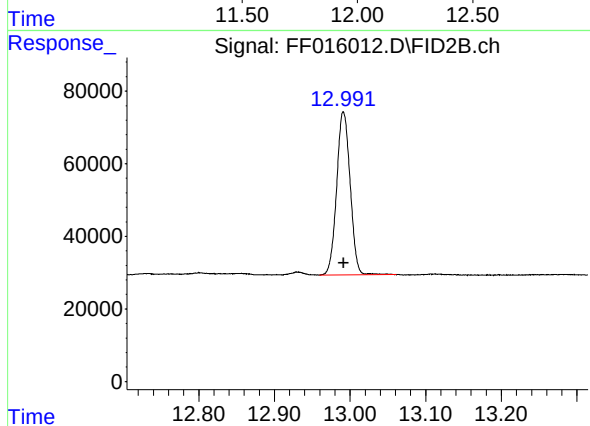
#8 n-Octadecane (C18)

R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 522411
Conc: 4.01 ug/ml



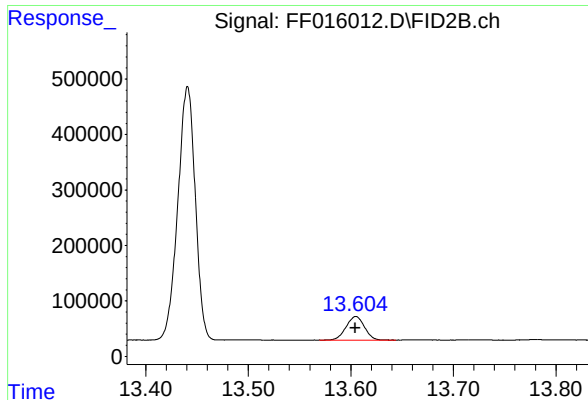
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.000 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.991 min
Delta R.T.: 0.000 min
Response: 558497
Conc: 4.35 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.605 min
Delta R.T.: 0.000 min
Response: 527877
Conc: 4.14 ug/ml

Instrument :

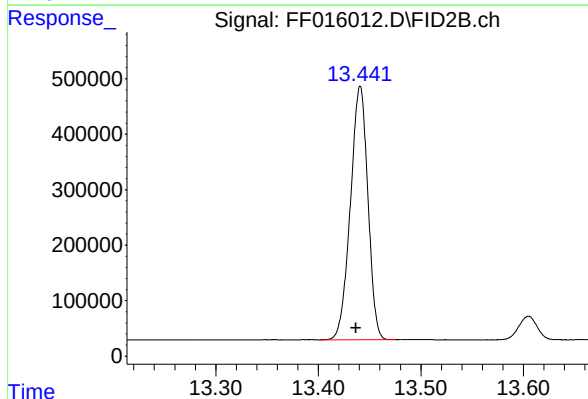
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ClientSampleId :

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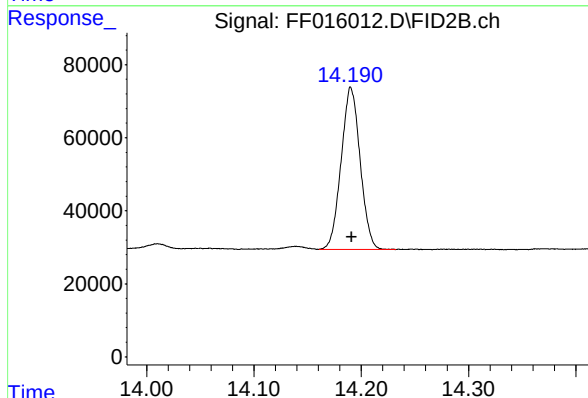
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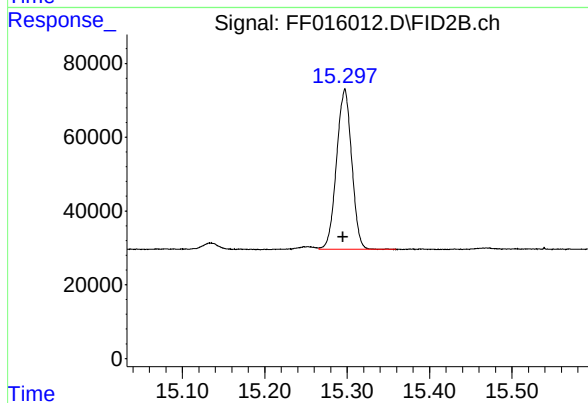
#12 1-chlorooctadecane (SURR)

R.T.: 13.441 min
Delta R.T.: 0.004 min
Response: 5414309
Conc: 48.29 ug/ml



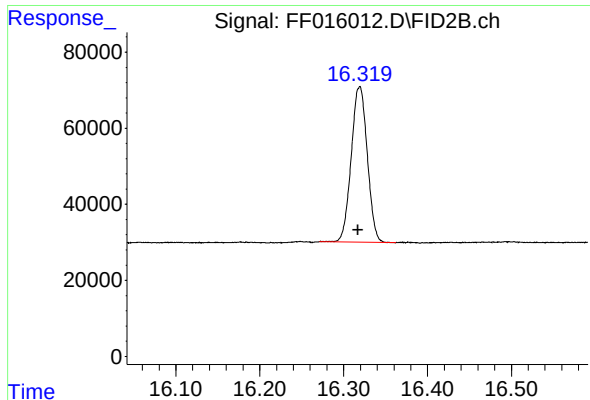
#13 n-Docosane (C22)

R.T.: 14.191 min
Delta R.T.: 0.000 min
Response: 545296
Conc: 4.26 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.297 min
Delta R.T.: 0.002 min
Response: 556001
Conc: 4.29 ug/ml



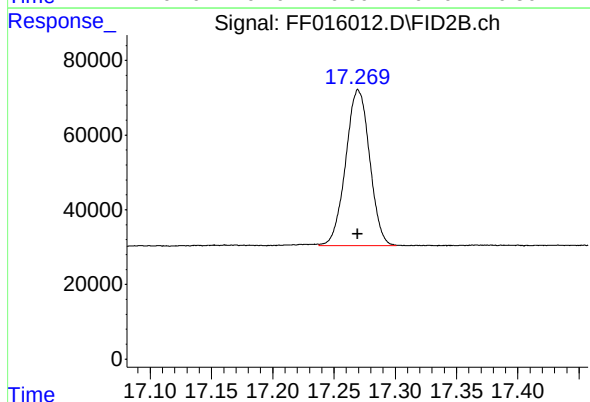
#15 n-Hexacosane (C26)

R.T.: 16.319 min
Delta R.T.: 0.002 min
Response: 543906
Conc: 4.24 ug/ml

Instrument :
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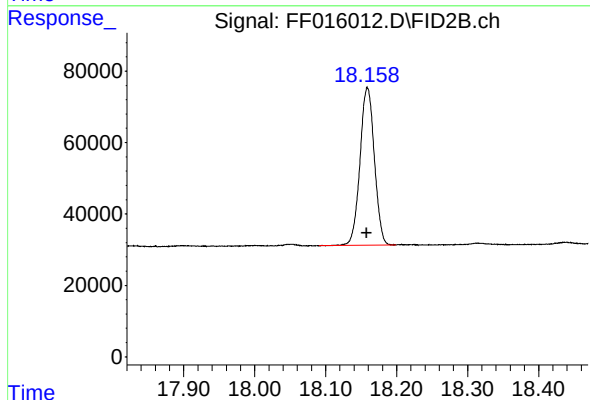
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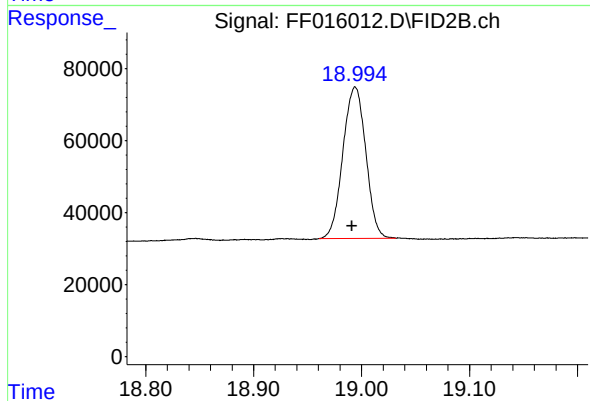
#16 n-Octacosane (C28)

R.T.: 17.269 min
Delta R.T.: 0.000 min
Response: 566598
Conc: 4.52 ug/ml m



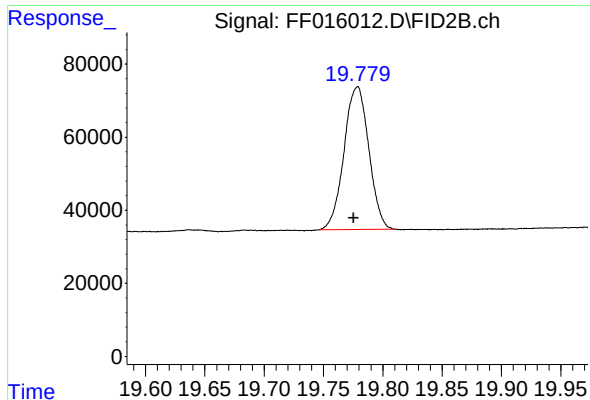
#17 n-Tricontane (C30)

R.T.: 18.159 min
Delta R.T.: 0.001 min
Response: 621773
Conc: 4.97 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.994 min
Delta R.T.: 0.002 min
Response: 620148
Conc: 5.25 ug/ml m



#19 n-Tetratriacontane (C34)

R.T.: 19.779 min
Delta R.T.: 0.003 min
Response: 569268
Conc: 5.40 ug/ml

Instrument :

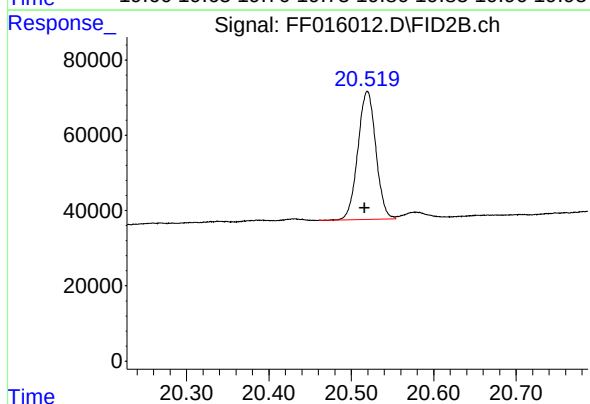
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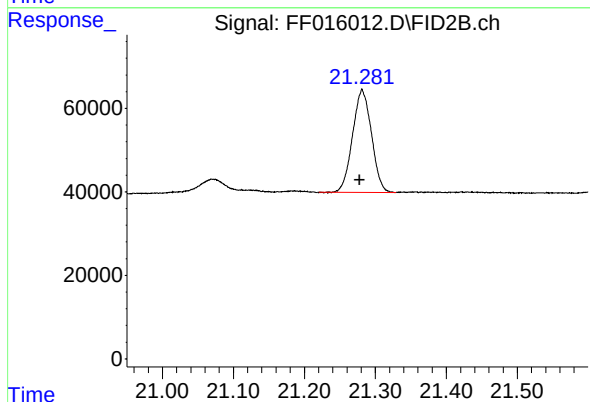
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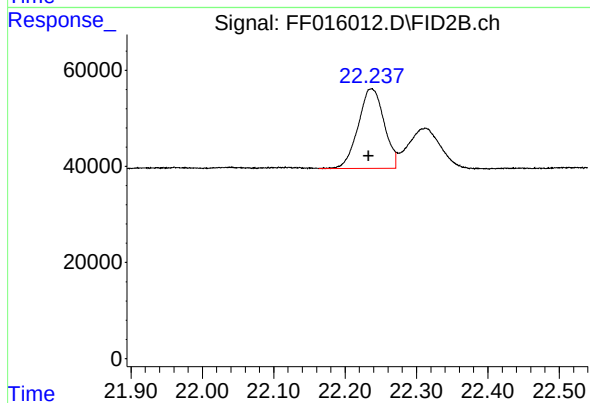
#20 n-Hexatriacontane (C36)

R.T.: 20.519 min
Delta R.T.: 0.003 min
Response: 515130
Conc: 5.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.281 min
Delta R.T.: 0.003 min
Response: 456038
Conc: 5.64 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.237 min
Delta R.T.: 0.005 min
Response: 418878
Conc: 5.66 ug/ml m