

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052111.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 18:28
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 03:06:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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...	13.612	4264589	37.176 ug/ml
Spiked Amount 50.000		Recovery =	74.35%
Target Compounds			
1) T n-Nonane (C9)	3.678	161348	1.513 ug/ml
4) T n-Dodecane (C12)	7.031	258643	2.292 ug/ml
6) T n-Tetradecane (C14)	8.836	263516	2.266 ug/ml
7) T n-Hexadecane (C16)	10.430	266627	2.114 ug/ml
8) T n-Octadecane (C18)	11.862	286572	2.166 ug/ml
10) T n-Eicosane (C20)	13.164	298453	2.277 ug/ml
11) T n-Heneicosane (C21)	13.771	275213	2.114 ug/ml
13) T n-Docosane (C22)	14.355	288037	2.195 ug/ml
14) T n-Tetracosane (C24)	15.452	280802	2.114 ug/mlm
15) T n-Hexacosane (C26)	16.469	277309	2.098 ug/mlm
16) T n-Octacosane (C28)	17.416	291057	2.205 ug/ml
17) T n-Tricontane (C30)	18.300	334122	2.451 ug/ml
18) T n-Dotriacontane (C32)	19.131	353898	2.700 ug/ml
19) T n-Tetratriacontane (C34)	19.912	320205	2.844 ug/ml
20) T n-Hexatriacontane (C36)	20.650	284726	2.998 ug/ml
21) T n-Octatriacontane (C38)	21.433	261352	3.026 ug/mlm
22) T n-Tetracontane (C40)	22.433	247463	3.003 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : Q1168-07
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ALS Vial : 16 Sample Multiplier: 1

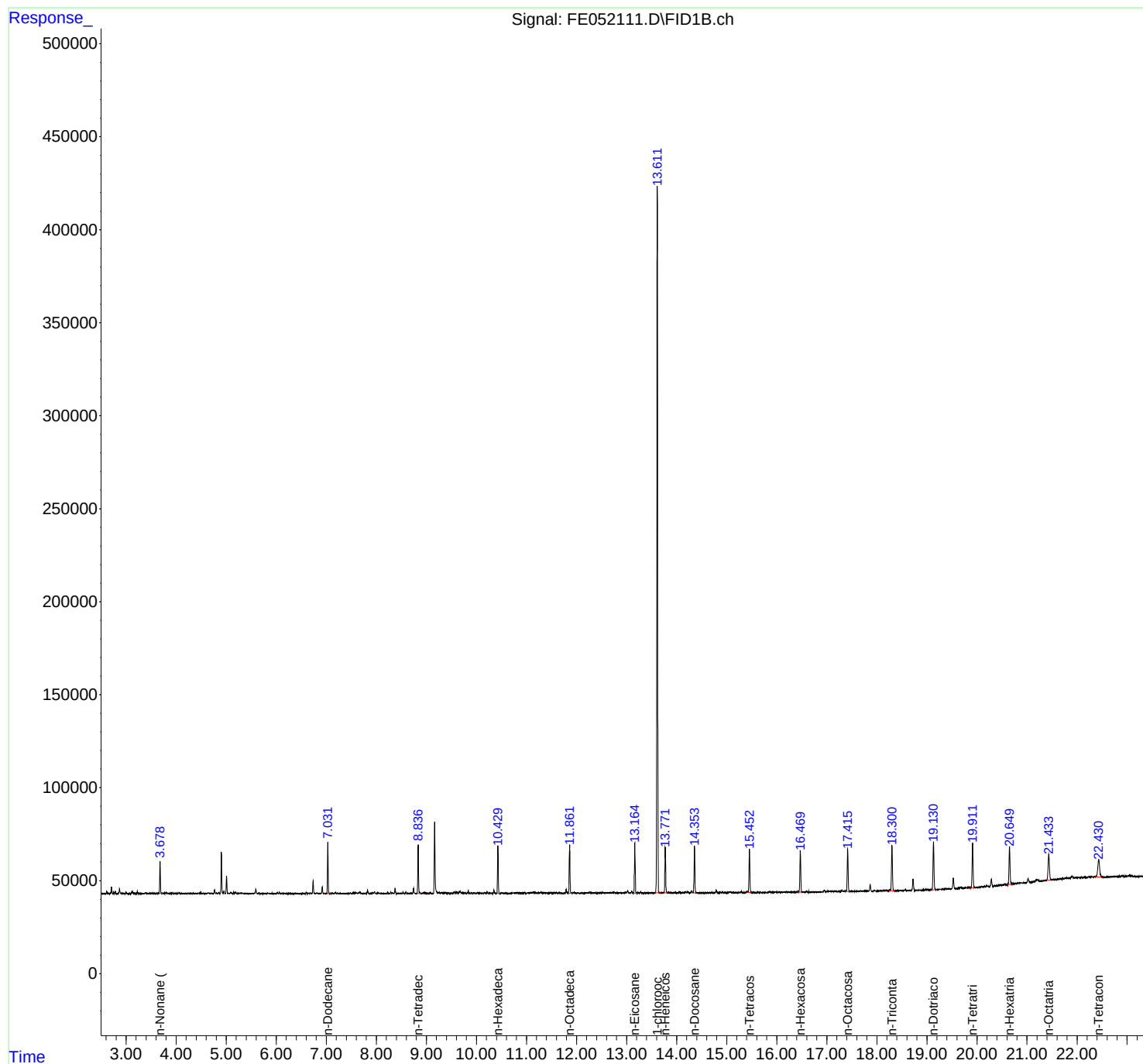
Instrument :
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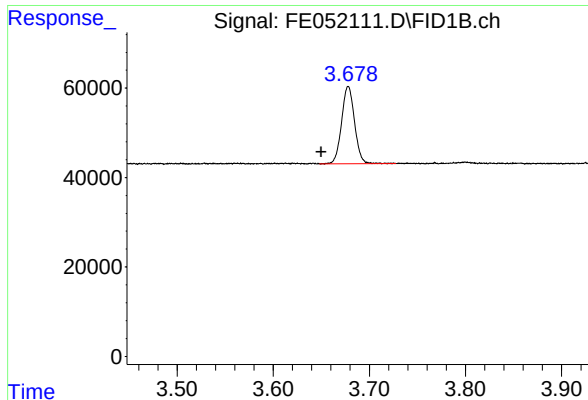
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.678 min
Delta R.T.: 0.028 min
Response: 161348
Conc: 1.51 ug/ml

Instrument :

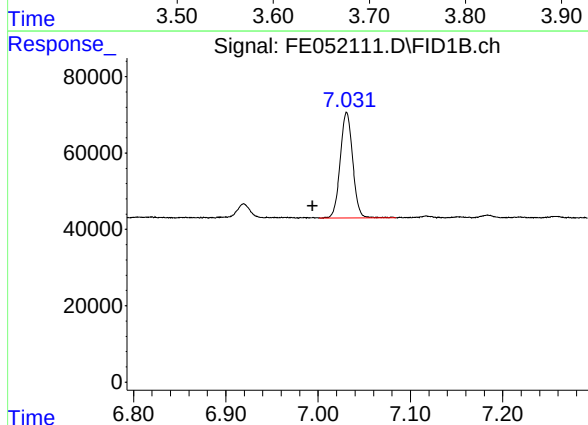
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ClientSampleId :

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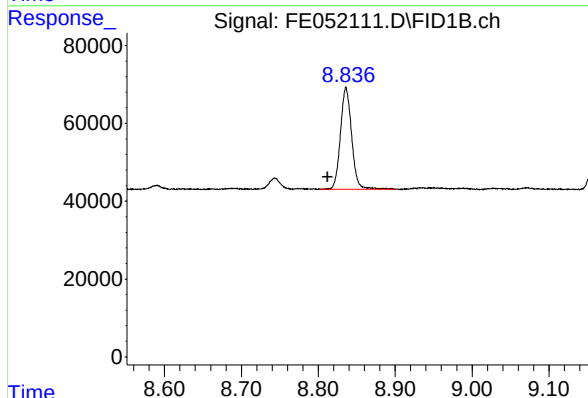
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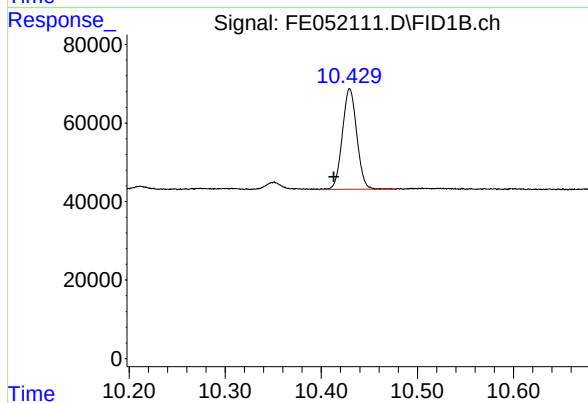
#4 n-Dodecane (C12)

R.T.: 7.031 min
Delta R.T.: 0.037 min
Response: 258643
Conc: 2.29 ug/ml



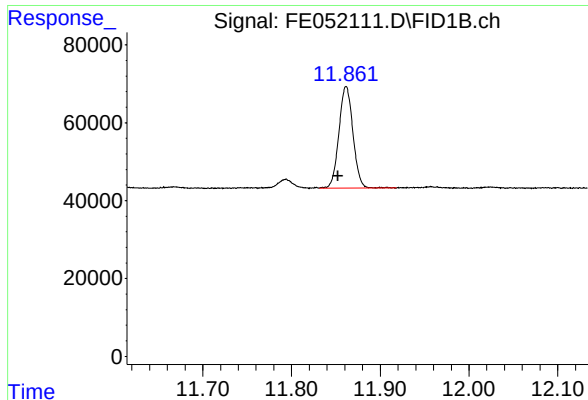
#6 n-Tetradecane (C14)

R.T.: 8.836 min
Delta R.T.: 0.024 min
Response: 263516
Conc: 2.27 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.430 min
Delta R.T.: 0.016 min
Response: 266627
Conc: 2.11 ug/ml



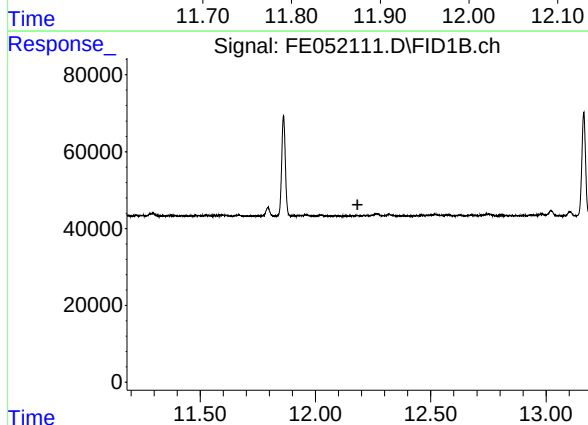
#8 n-Octadecane (C18)

R.T.: 11.862 min
Delta R.T.: 0.009 min
Response: 286572
Conc: 2.17 ug/ml

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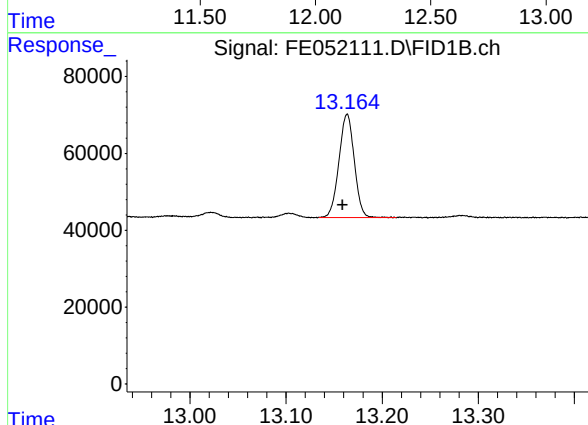
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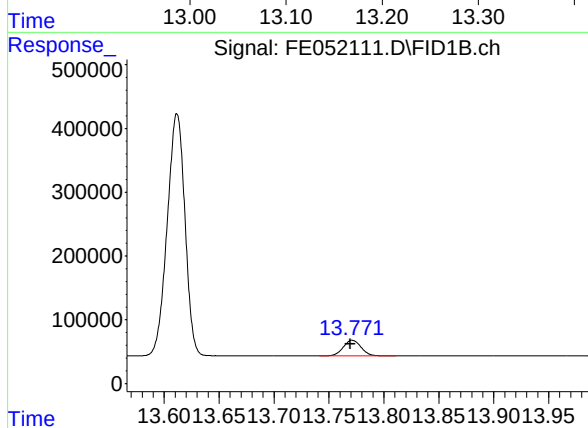
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.182 min
Response: 0
Conc: N.D.



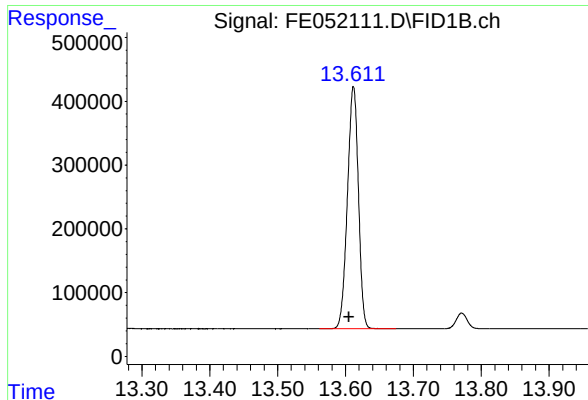
#10 n-Eicosane (C20)

R.T.: 13.164 min
Delta R.T.: 0.005 min
Response: 298453
Conc: 2.28 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.771 min
Delta R.T.: 0.002 min
Response: 275213
Conc: 2.11 ug/ml



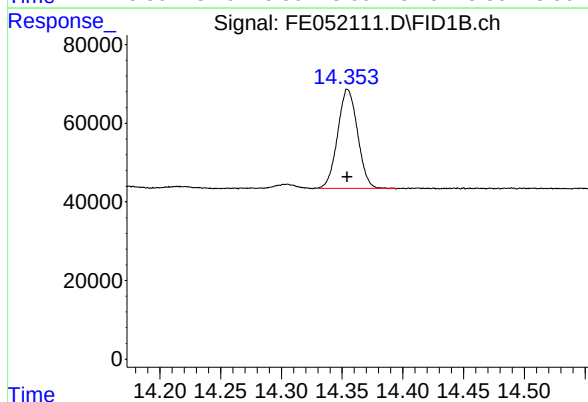
#12 1-chlorooctadecane (SURR)

R.T.: 13.612 min
Delta R.T.: 0.007 min
Response: 4264589
Conc: 37.18 ug/ml

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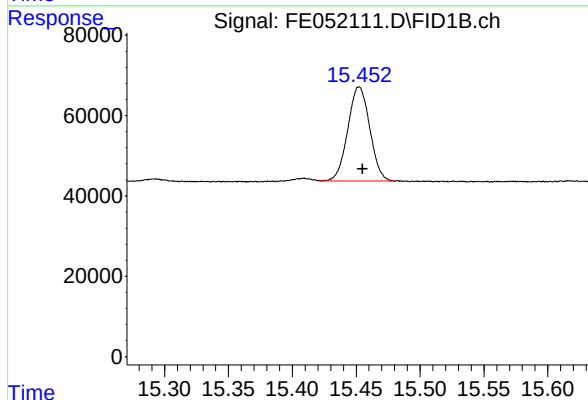
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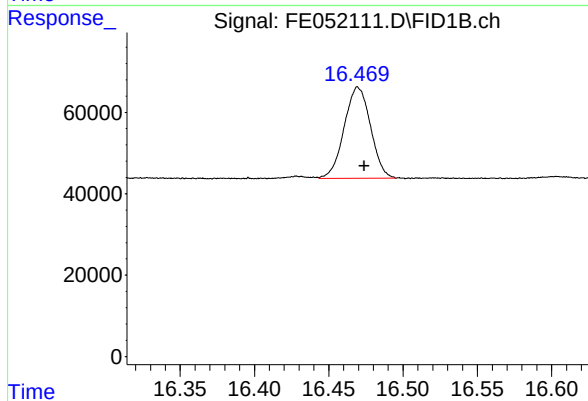
#13 n-Docosane (C22)

R.T.: 14.355 min
Delta R.T.: 0.000 min
Response: 288037
Conc: 2.19 ug/ml



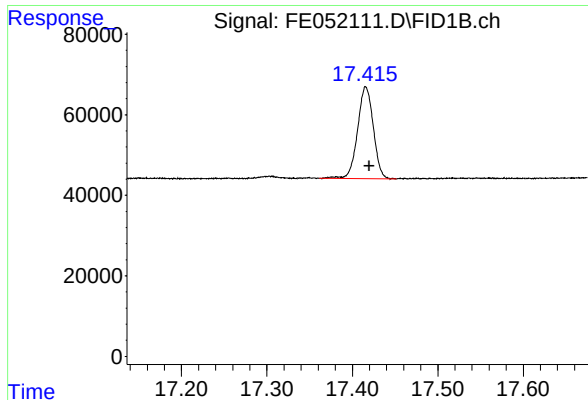
#14 n-Tetracosane (C24)

R.T.: 15.452 min
Delta R.T.: -0.003 min
Response: 280802
Conc: 2.11 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 16.469 min
Delta R.T.: -0.005 min
Response: 277309
Conc: 2.10 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.416 min
Delta R.T.: -0.004 min
Response: 291057
Conc: 2.21 ug/ml

Instrument :

FID_E

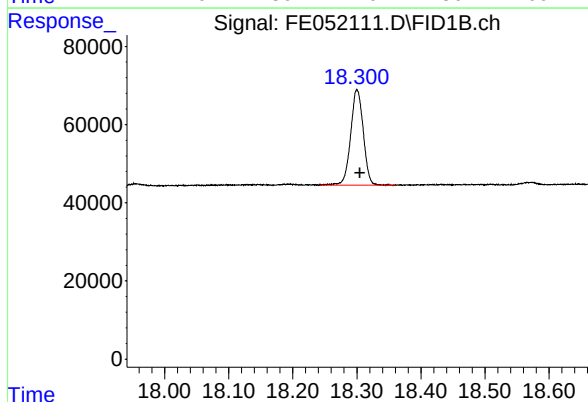
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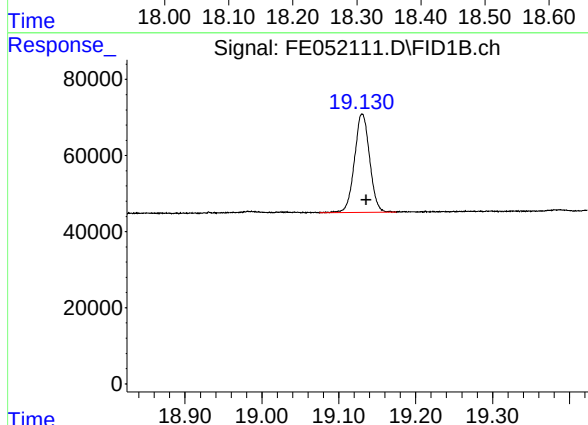
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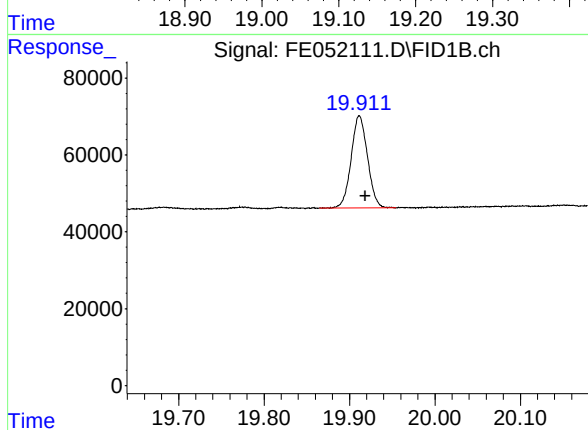
#17 n-Tricontane (C30)

R.T.: 18.300 min
Delta R.T.: -0.004 min
Response: 334122
Conc: 2.45 ug/ml



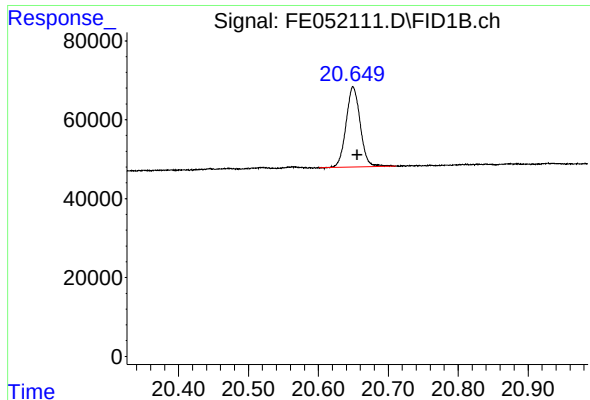
#18 n-Dotriacontane (C32)

R.T.: 19.131 min
Delta R.T.: -0.005 min
Response: 353898
Conc: 2.70 ug/ml



#19 n-Tetratriacontane (C34)

R.T.: 19.912 min
Delta R.T.: -0.007 min
Response: 320205
Conc: 2.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.650 min
Delta R.T.: -0.006 min
Response: 284726
Conc: 3.00 ug/ml

Instrument :

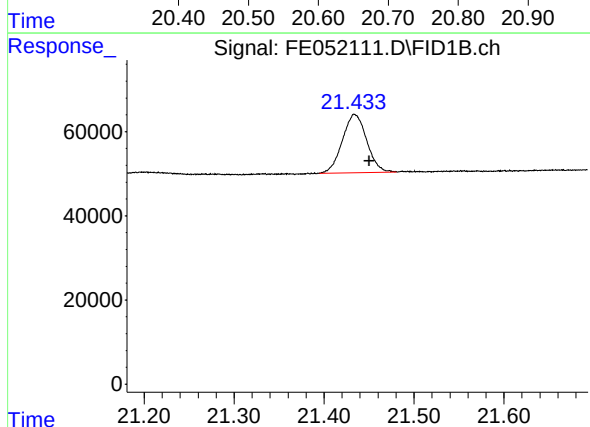
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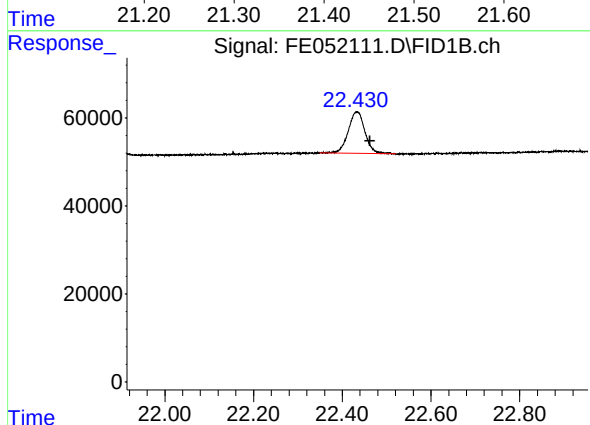
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#21 n-Octatriacontane (C38)

R.T.: 21.433 min
Delta R.T.: -0.017 min
Response: 261352
Conc: 3.03 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.433 min
Delta R.T.: -0.029 min
Response: 247463
Conc: 3.00 ug/ml