

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052112.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 18:59
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 17 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 03:06:15 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...	13.611	3562635	31.057 ug/ml
Spiked Amount 50.000		Recovery =	62.11%
Target Compounds			
1) T n-Nonane (C9)	3.678	198944	1.866 ug/ml
2) T n-Decane (C10)	4.904	249701	2.281 ug/ml
4) T n-Dodecane (C12)	7.031	308284	2.731 ug/ml
6) T n-Tetradecane (C14)	8.836	314301	2.702 ug/ml
7) T n-Hexadecane (C16)	10.429	333560	2.645 ug/ml
8) T n-Octadecane (C18)	11.862	362701	2.741 ug/ml
10) T n-Eicosane (C20)	13.163	380719	2.904 ug/ml
11) T n-Heneicosane (C21)	13.772	362061	2.782 ug/ml
13) T n-Docosane (C22)	14.354	370963	2.827 ug/ml
14) T n-Tetracosane (C24)	15.452	362173	2.727 ug/mlm
15) T n-Hexacosane (C26)	16.469	361202	2.733 ug/mlm
16) T n-Octacosane (C28)	17.415	370631	2.808 ug/ml
17) T n-Tricontane (C30)	18.300	409087	3.000 ug/ml
18) T n-Dotriacontane (C32)	19.130	423067	3.228 ug/ml
19) T n-Tetratriacontane (C34)	19.912	393625	3.496 ug/ml
20) T n-Hexatriacontane (C36)	20.651	350946	3.695 ug/ml
21) T n-Octatriacontane (C38)	21.433	331293	3.835 ug/mlm
22) T n-Tetracontane (C40)	22.432	312071	3.787 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q1168-07
Misc : 4 PPM WATER LOD
ALS Vial : 17 Sample Multiplier: 1

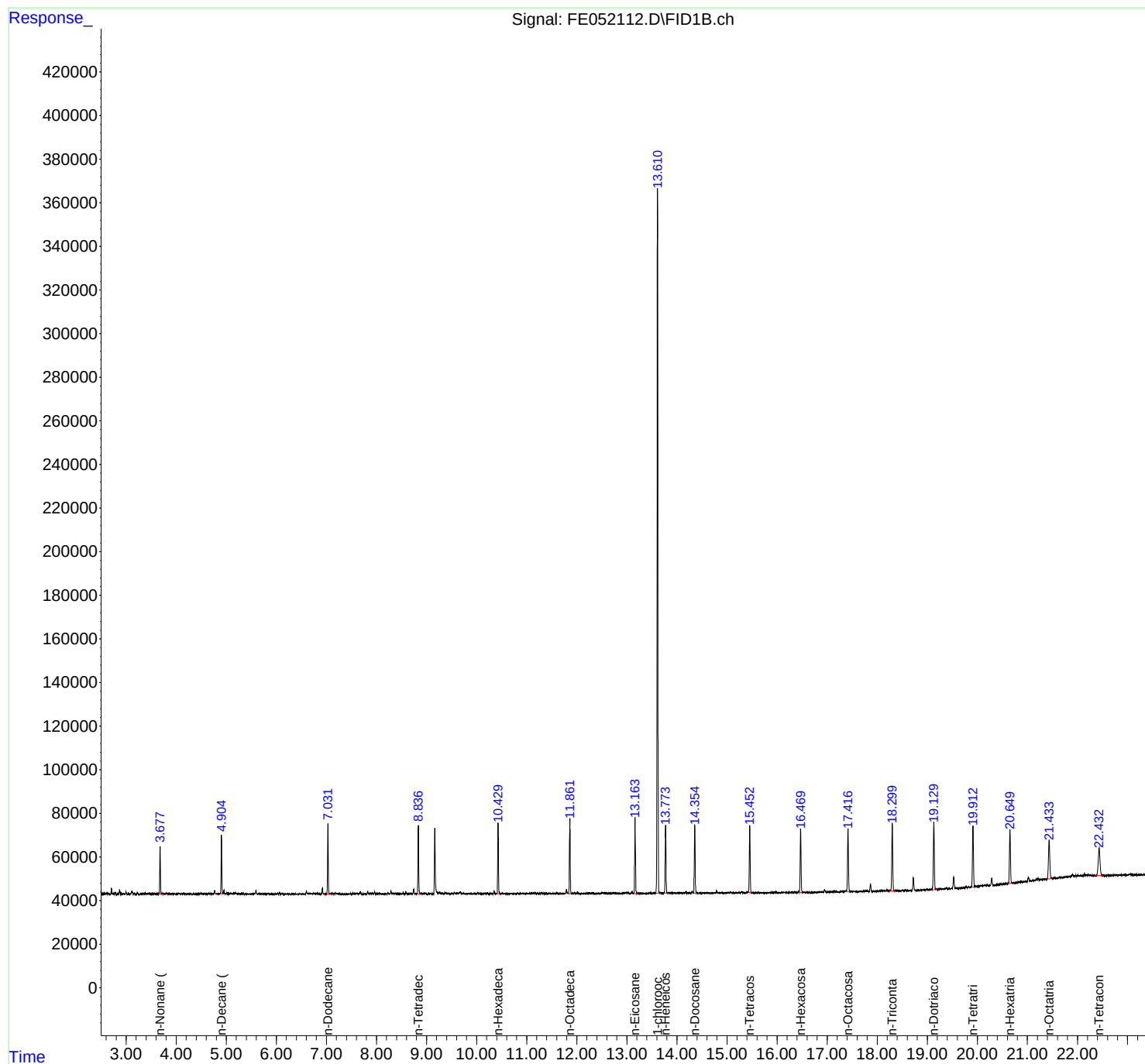
Instrument :
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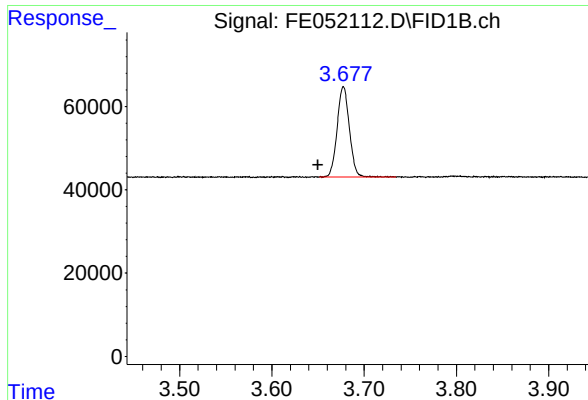
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.678 min
Delta R.T.: 0.028 min
Response: 198944
Conc: 1.87 ug/ml

Instrument :

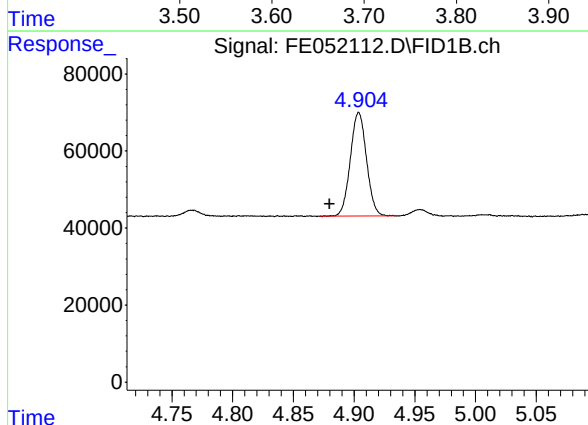
FID_E

ClientSampleId :

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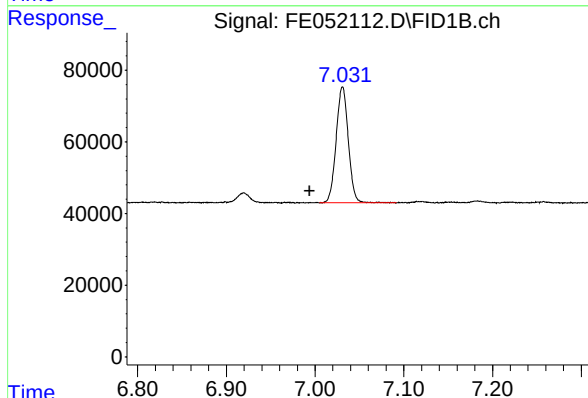
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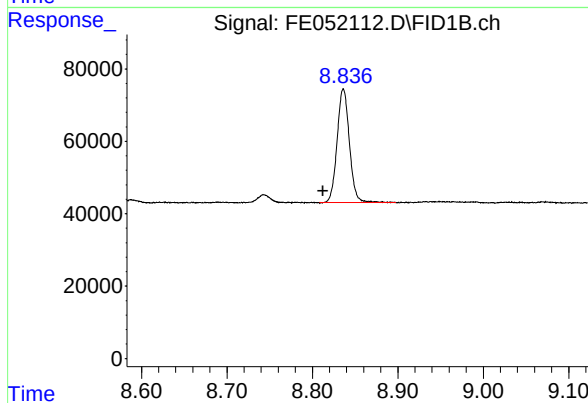
#2 n-Decane (C10)

R.T.: 4.904 min
Delta R.T.: 0.024 min
Response: 249701
Conc: 2.28 ug/ml



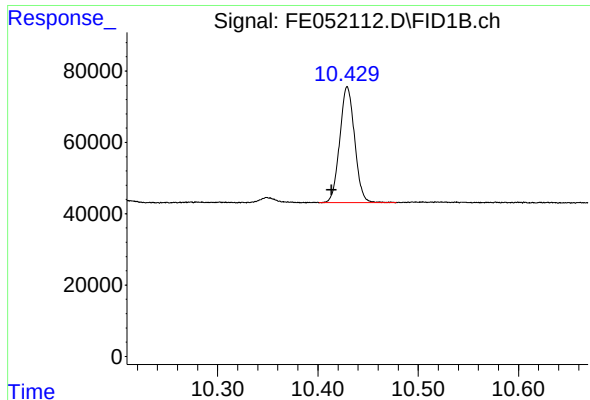
#4 n-Dodecane (C12)

R.T.: 7.031 min
Delta R.T.: 0.037 min
Response: 308284
Conc: 2.73 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.836 min
Delta R.T.: 0.024 min
Response: 314301
Conc: 2.70 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.429 min
Delta R.T.: 0.016 min
Response: 333560
Conc: 2.64 ug/ml

Instrument :

FID_E

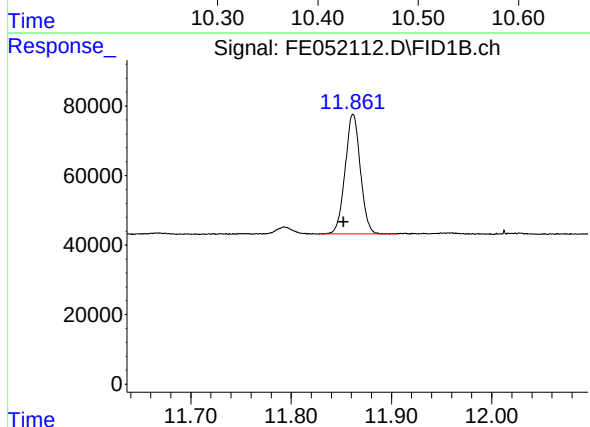
ClientSampleId :

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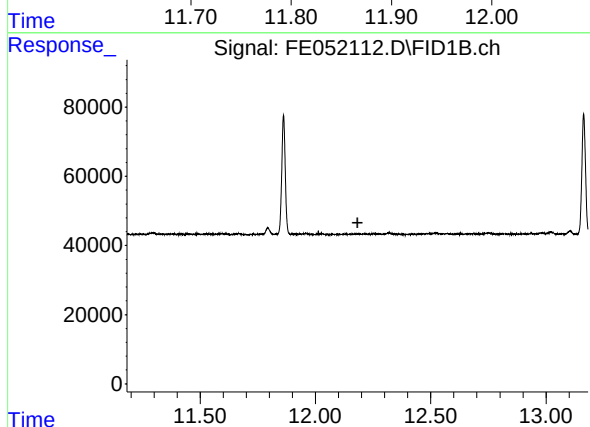
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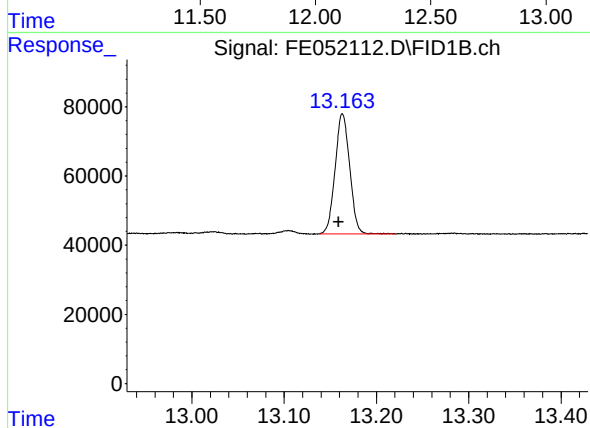
#8 n-Octadecane (C18)

R.T.: 11.862 min
Delta R.T.: 0.009 min
Response: 362701
Conc: 2.74 ug/ml



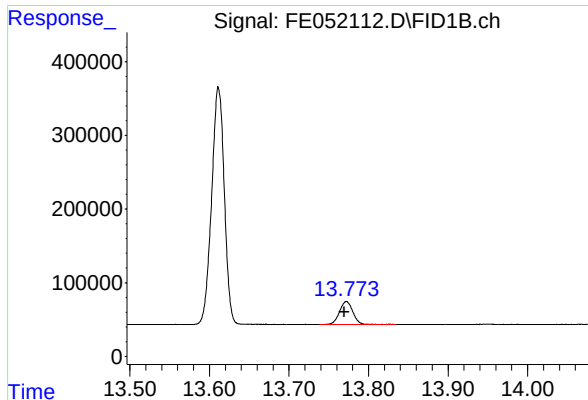
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.163 min
Delta R.T.: 0.005 min
Response: 380719
Conc: 2.90 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.772 min
Delta R.T.: 0.003 min
Response: 362061
Conc: 2.78 ug/ml

Instrument :

FID_E

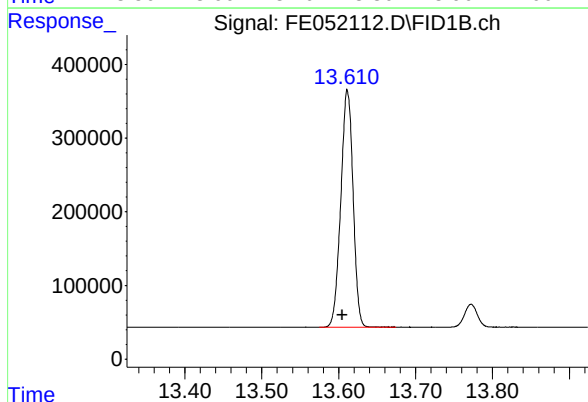
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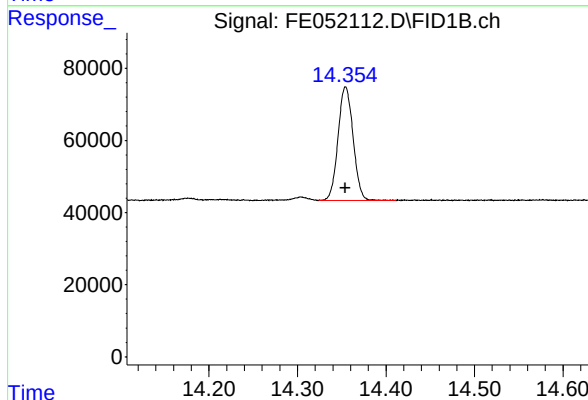
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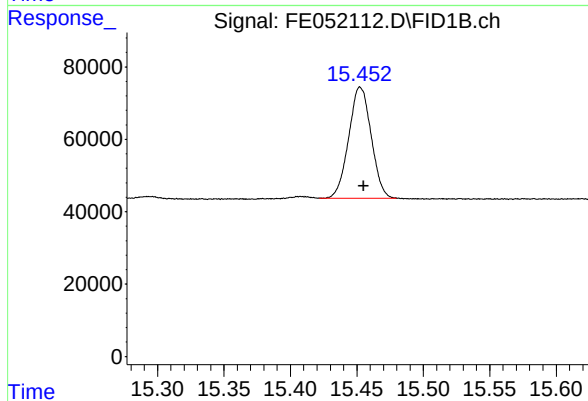
#12 1-chlorooctadecane (SURR)

R.T.: 13.611 min
Delta R.T.: 0.007 min
Response: 3562635
Conc: 31.06 ug/ml



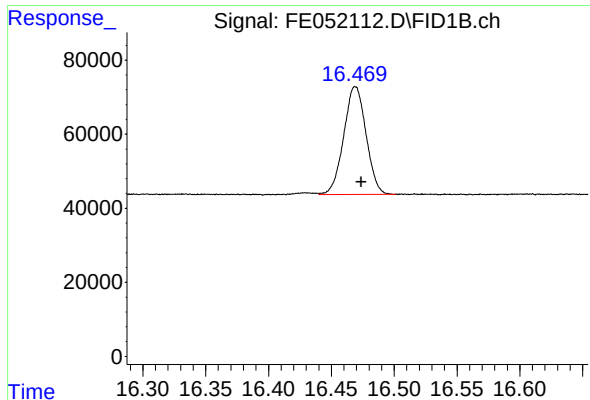
#13 n-Docosane (C22)

R.T.: 14.354 min
Delta R.T.: 0.000 min
Response: 370963
Conc: 2.83 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.452 min
Delta R.T.: -0.003 min
Response: 362173
Conc: 2.73 ug/ml m



#15 n-Hexacosane (C26)

R.T.: 16.469 min
Delta R.T.: -0.005 min
Response: 361202
Conc: 2.73 ug/ml

Instrument :

FID_E

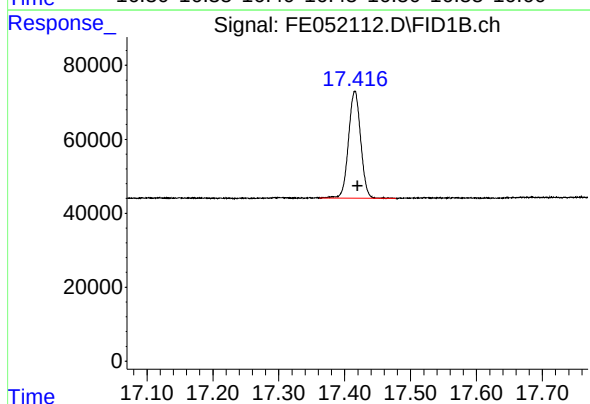
ClientSampleId :

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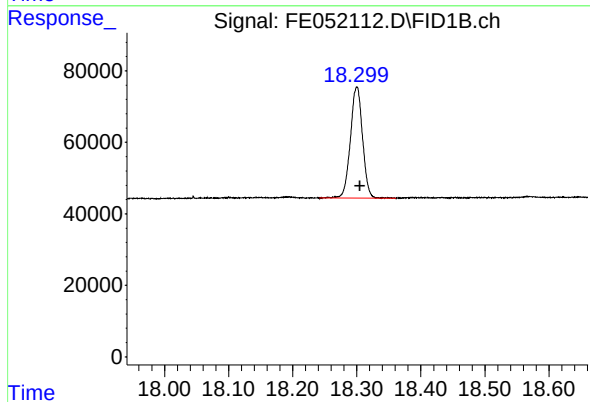
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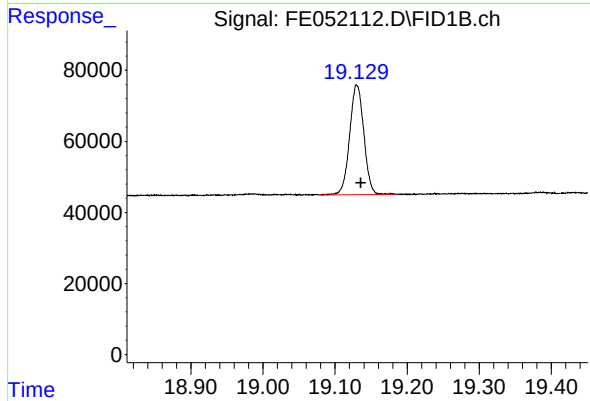
#16 n-Octacosane (C28)

R.T.: 17.415 min
Delta R.T.: -0.005 min
Response: 370631
Conc: 2.81 ug/ml



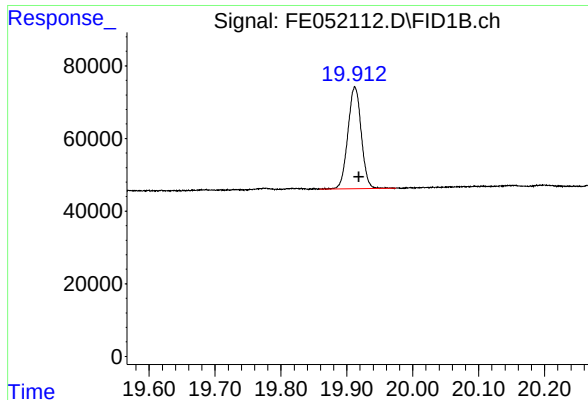
#17 n-Tricontane (C30)

R.T.: 18.300 min
Delta R.T.: -0.005 min
Response: 409087
Conc: 3.00 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.130 min
Delta R.T.: -0.005 min
Response: 423067
Conc: 3.23 ug/ml



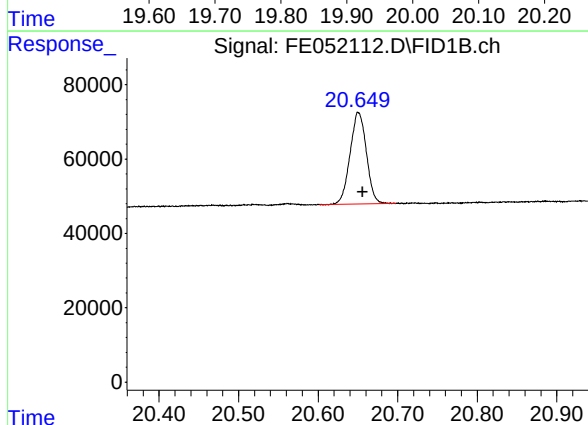
#19 n-Tetratriacontane (C34)

R.T.: 19.912 min
Delta R.T.: -0.006 min
Response: 393625
Conc: 3.50 ug/ml

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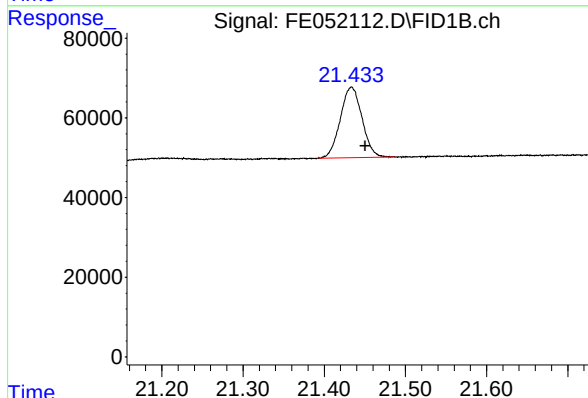
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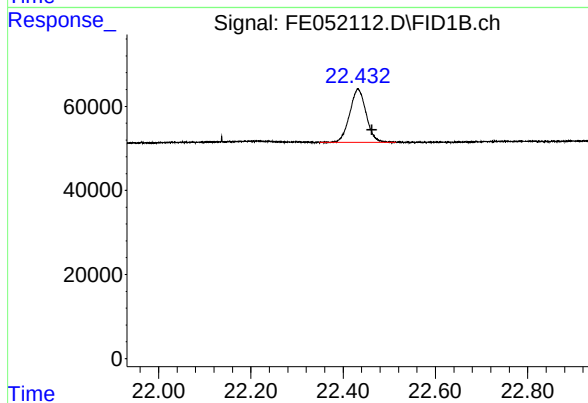
#20 n-Hexatriacontane (C36)

R.T.: 20.651 min
Delta R.T.: -0.005 min
Response: 350946
Conc: 3.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.433 min
Delta R.T.: -0.017 min
Response: 331293
Conc: 3.84 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: -0.030 min
Response: 312071
Conc: 3.79 ug/ml