

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041330.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 16:03
 Operator : YP\AJ
 Sample : 02213-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-02-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 01:11:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 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...	13.278	7984399	55.494 ug/ml
Spiked Amount 50.000		Recovery =	110.99%
Target Compounds			
1) T n-Nonane (C9)	3.237	466355	2.688 ug/ml
2) T n-Decane (C10)	4.484	579903	3.407 ug/ml
4) T n-Dodecane (C12)	6.648	739077	4.261 ug/ml
6) T n-Tetradecane (C14)	8.473	728453	4.178 ug/ml
7) T n-Hexadecane (C16)	10.079	792219	4.454 ug/ml
8) T n-Octadecane (C18)	11.521	915363	5.127 ug/ml
10) T n-Eicosane (C20)	12.829	941267	5.518 ug/ml
11) T n-Heneicosane (C21)	13.442	858329	5.073 ug/ml
13) T n-Docosane (C22)	14.027	950172	5.742 ug/ml
14) T n-Tetracosane (C24)	15.131	962757	5.951 ug/ml
15) T n-Hexacosane (C26)	16.153	977838	6.308 ug/ml
16) T n-Octacosane (C28)	17.104	1036105	6.764 ug/ml
17) T n-Tricontane (C30)	17.993	1100960	7.203 ug/ml
18) T n-Dotriacontane (C32)	18.828	1134214	7.265 ug/mlm
19) T n-Tetratriacontane (C34)	19.610	1020233	6.583 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	904773	5.956 ug/mlm
21) T n-Octatriacontane (C38)	21.077	872356	5.584 ug/mlm
22) T n-Tetracontane (C40)	21.954	869301	5.447 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc : 5 PPM WATER LOQ
ALS Vial : 21 Sample Multiplier: 1

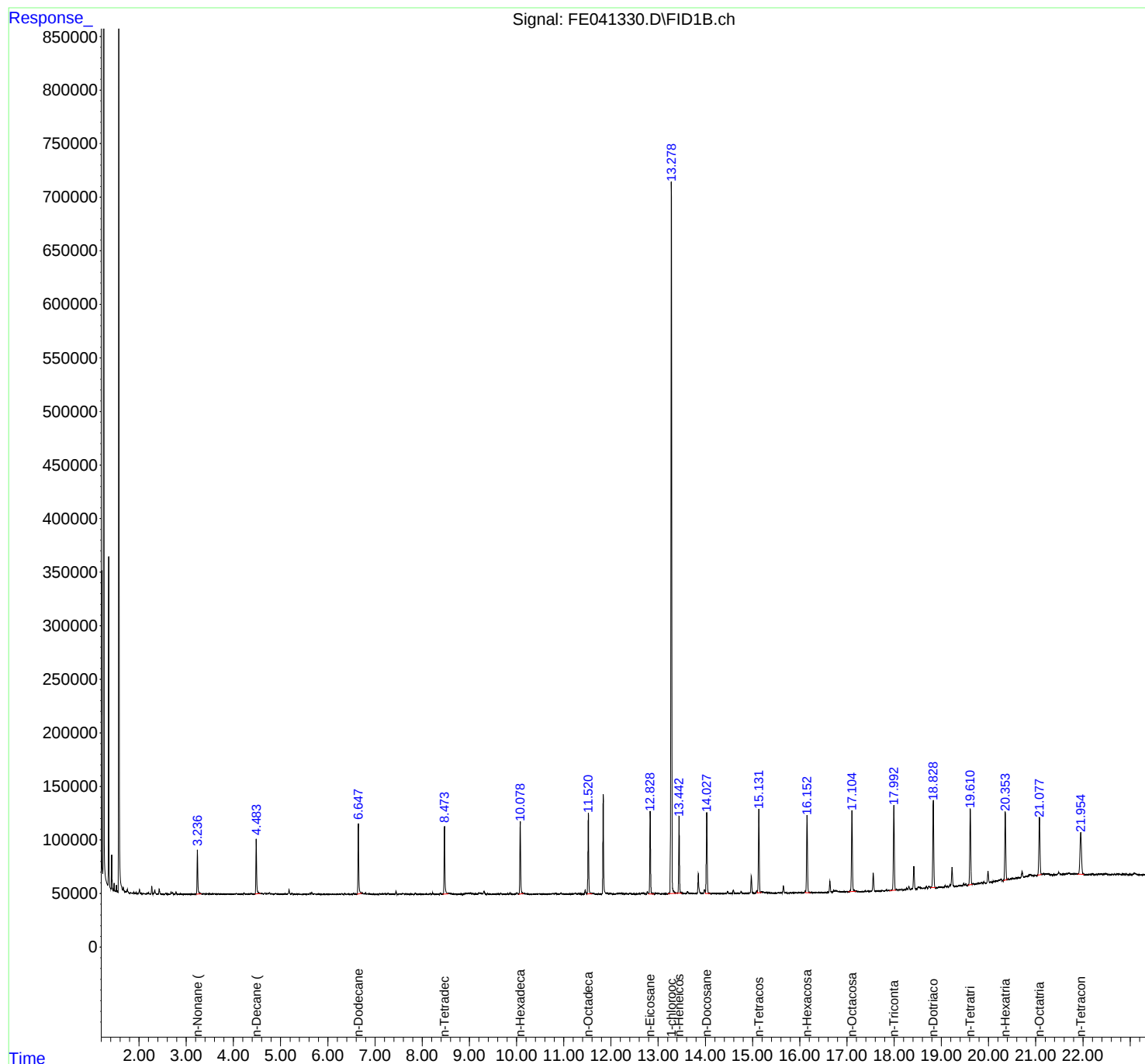
Instrument :
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ClientSampleId :
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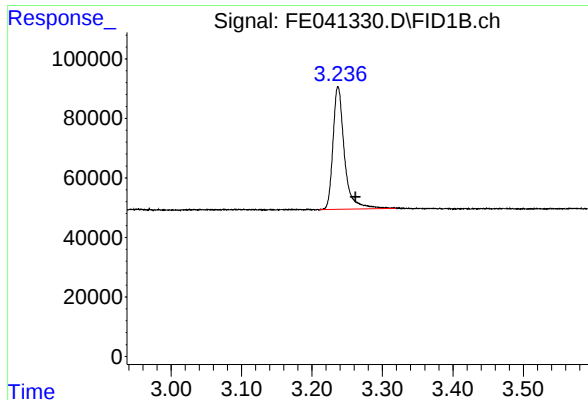
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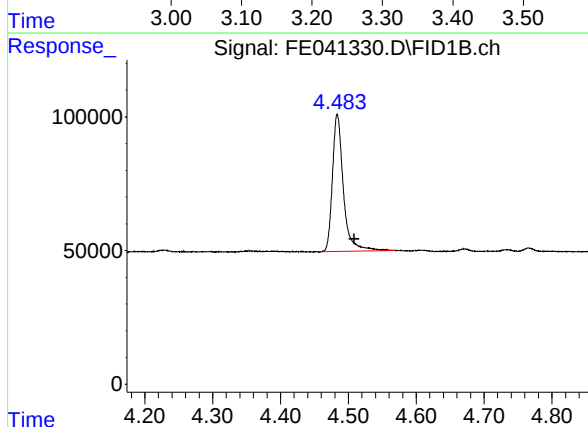
#1 n-Nonane (C9)

R.T.: 3.237 min
Delta R.T.: -0.025 min
Response: 466355
Conc: 2.69 ug/ml

Instrument :
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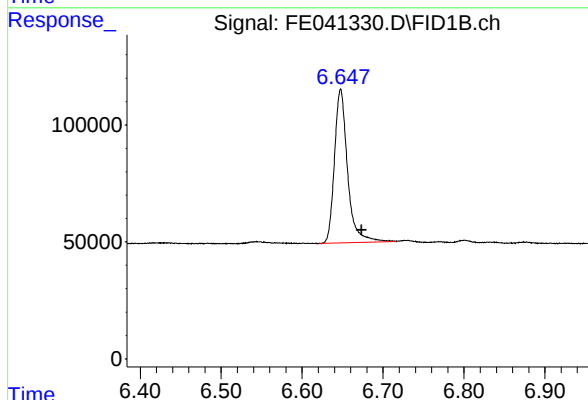
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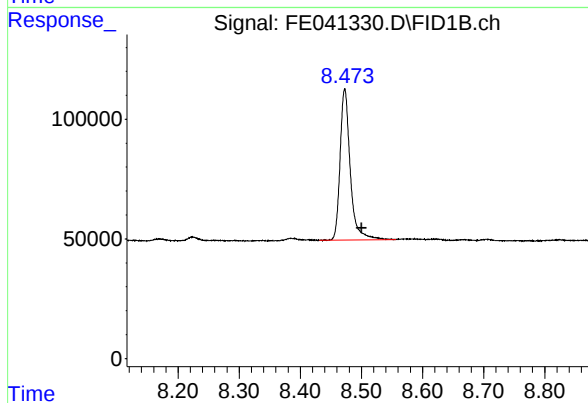
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.025 min
Response: 579903
Conc: 3.41 ug/ml



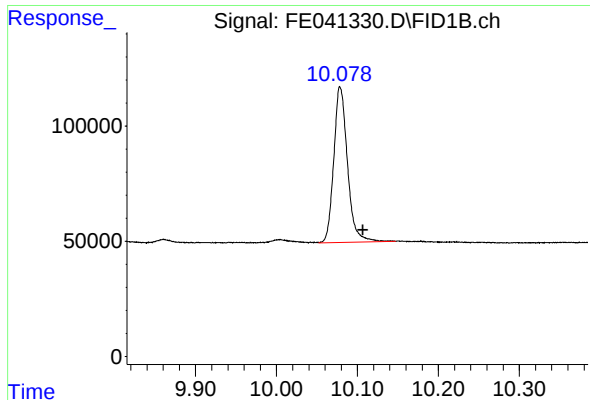
#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.026 min
Response: 739077
Conc: 4.26 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 728453
Conc: 4.18 ug/ml



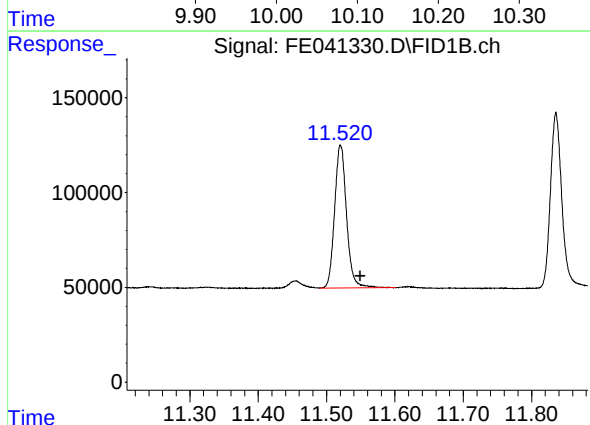
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.028 min
Response: 792219
Conc: 4.45 ug/ml

Instrument : FID_E
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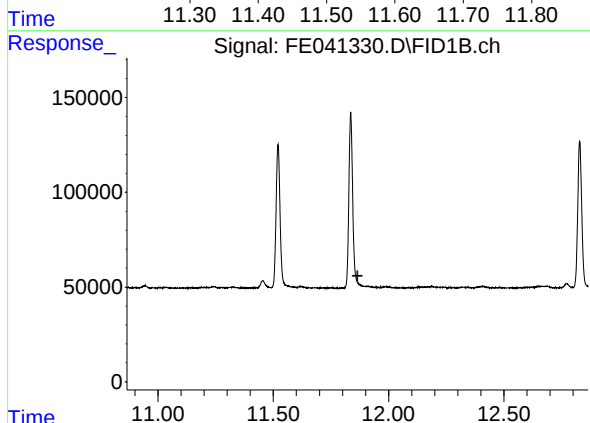
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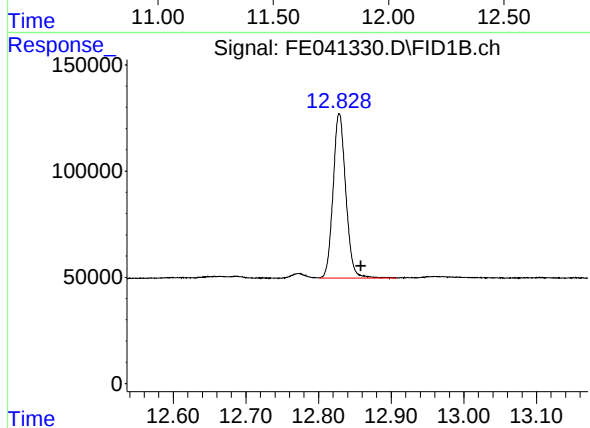
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.029 min
Response: 915363
Conc: 5.13 ug/ml



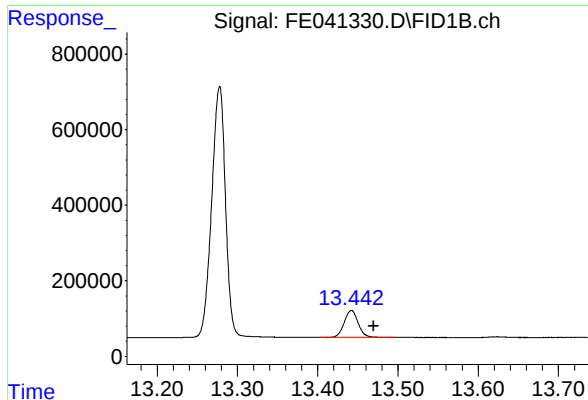
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.865 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.829 min
Delta R.T.: -0.030 min
Response: 941267
Conc: 5.52 ug/ml



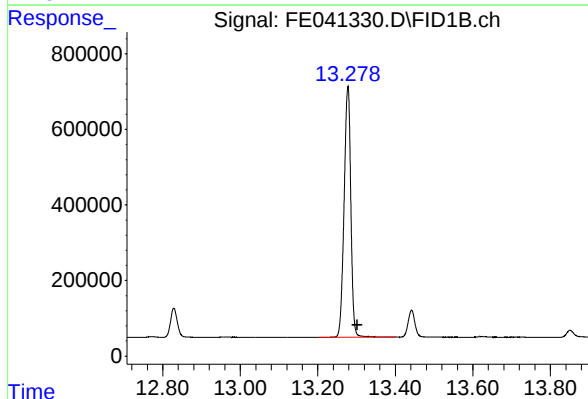
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 858329
Conc: 5.07 ug/ml

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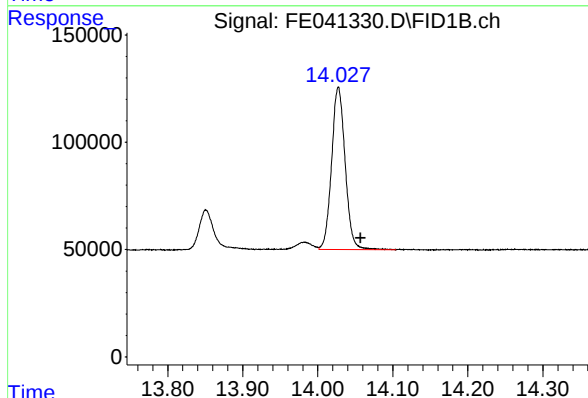
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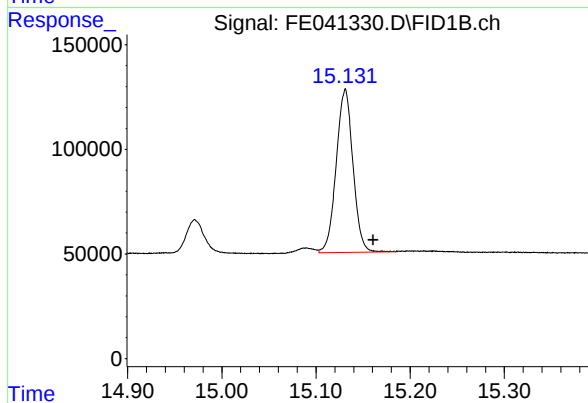
#12 1-chlorooctadecane (SURR)

R.T.: 13.278 min
Delta R.T.: -0.024 min
Response: 7984399
Conc: 55.49 ug/ml



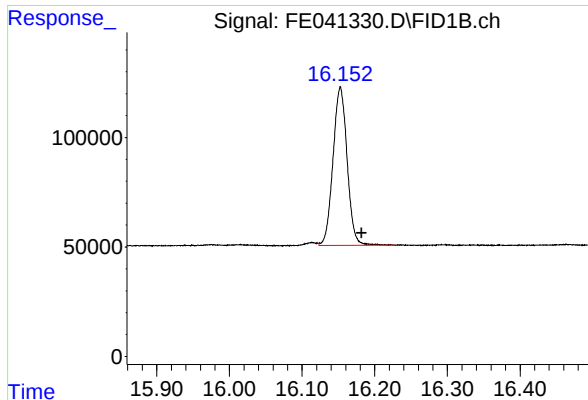
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.030 min
Response: 950172
Conc: 5.74 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 962757
Conc: 5.95 ug/ml



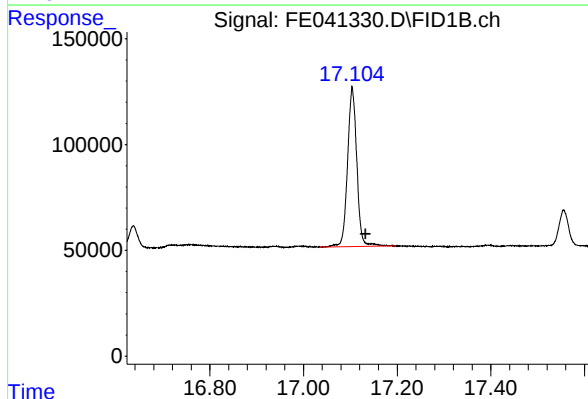
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 977838
Conc: 6.31 ug/ml

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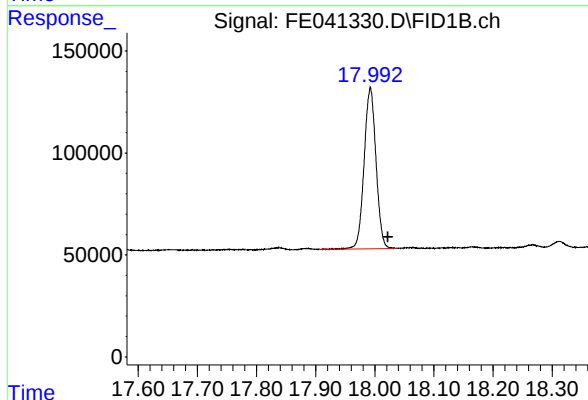
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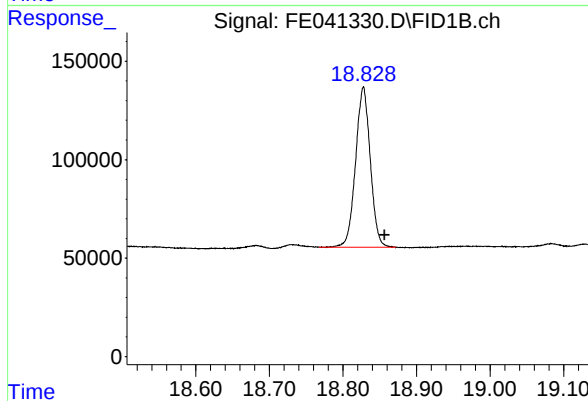
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 1036105
Conc: 6.76 ug/ml



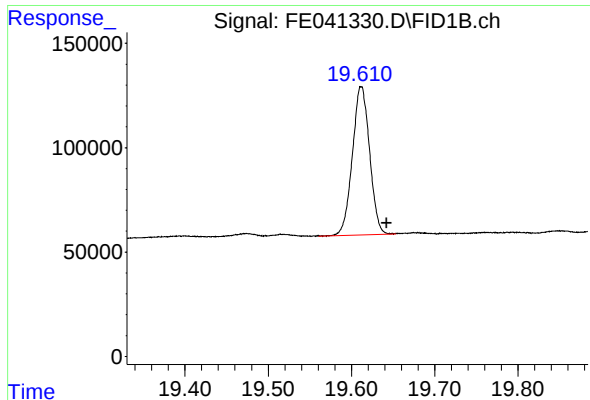
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.030 min
Response: 1100960
Conc: 7.20 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.029 min
Response: 1134214
Conc: 7.26 ug/ml m



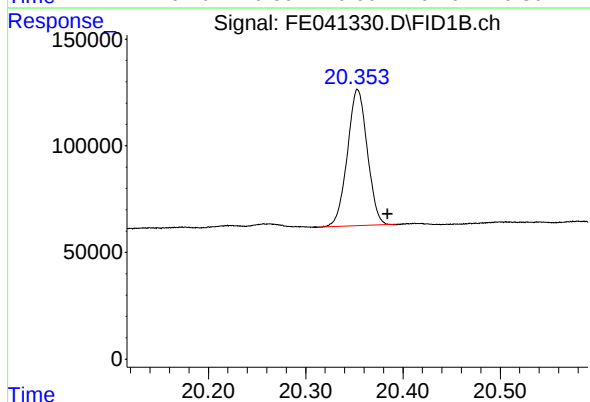
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.032 min
Response: 1020233
Conc: 6.58 ug/ml

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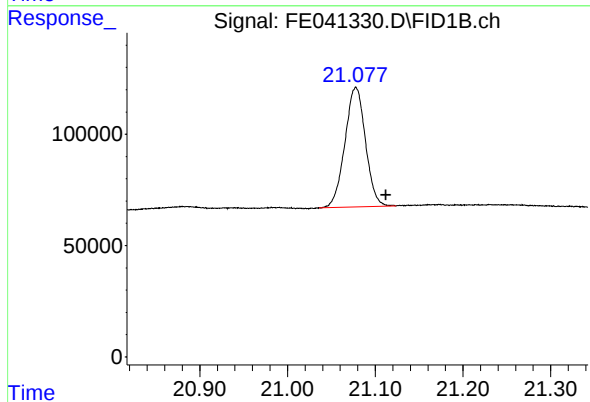
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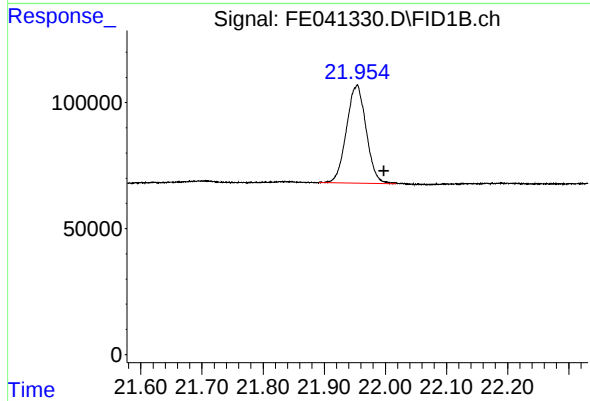
#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.032 min
Response: 904773
Conc: 5.96 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.035 min
Response: 872356
Conc: 5.58 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.044 min
Response: 869301
Conc: 5.45 ug/ml m