

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080723AL\
 Data File : FE043796.D
 Signal(s) : FID1B.ch
 Acq On : 08 Aug 2023 03:38
 Operator : YP\AJ
 Sample : 03572-03
 Misc : MDL 2.5 PPB
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :Ankita Jodhani 08/08/2023

Integration File: autoint1.e
 Quant Time: Aug 08 07:02:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080323.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 02 09:56:52 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...	13.381	7133819	45.716 ug/ml
Spiked Amount 50.000		Recovery =	91.43%
Target Compounds			
1) T n-Nonane (C9)	3.328	396160	2.453 ug/ml
2) T n-Decane (C10)	4.578	395177	2.398 ug/ml
4) T n-Dodecane (C12)	6.742	410327	2.452 ug/ml
6) T n-Tetradecane (C14)	8.568	431071	2.559 ug/ml
7) T n-Hexadecane (C16)	10.178	427997	2.426 ug/ml
8) T n-Octadecane (C18)	11.621	448905	2.478 ug/ml
10) T n-Eicosane (C20)	12.932	431183	2.437 ug/ml
11) T n-Heneicosane (C21)	13.545	429852	2.428 ug/ml
13) T n-Docosane (C22)	14.131	423623	2.415 ug/ml
14) T n-Tetracosane (C24)	15.236	411025	2.339 ug/ml
15) T n-Hexacosane (C26)	16.257	397982	2.303 ug/ml
16) T n-Octacosane (C28)	17.209	398479	2.382 ug/ml
17) T n-Tricontane (C30)	18.098	426619	2.576 ug/ml
18) T n-Dotriacontane (C32)	18.933	438509	2.777 ug/ml
19) T n-Tetratriacontane (C34)	19.718	404315	2.721 ug/ml
20) T n-Hexatriacontane (C36)	20.460	378688	2.709 ug/ml
21) T n-Octatriacontane (C38)	21.204	332915	2.496 ug/mlm
22) T n-Tetracontane (C40)	22.127	321803	2.494 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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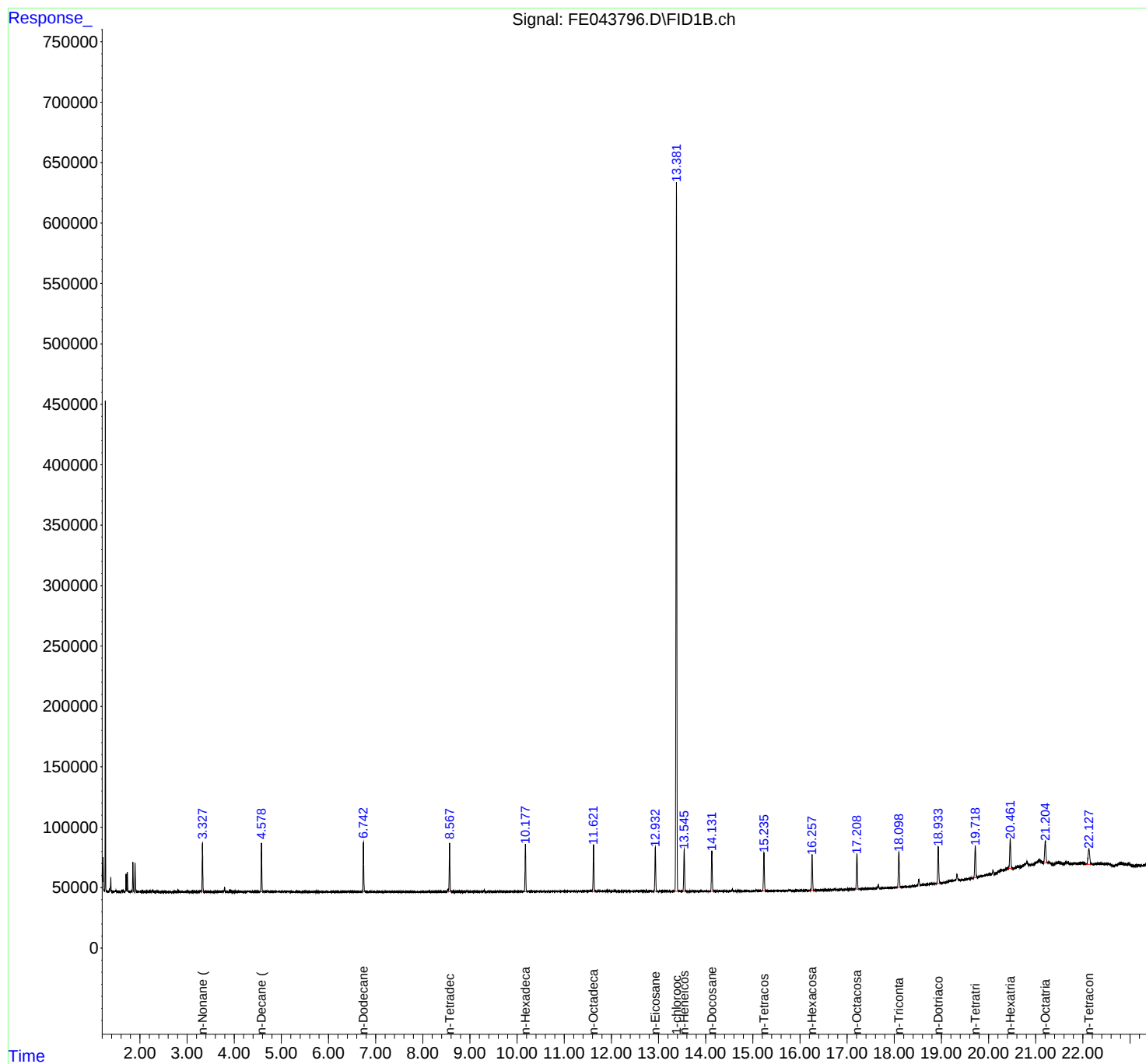
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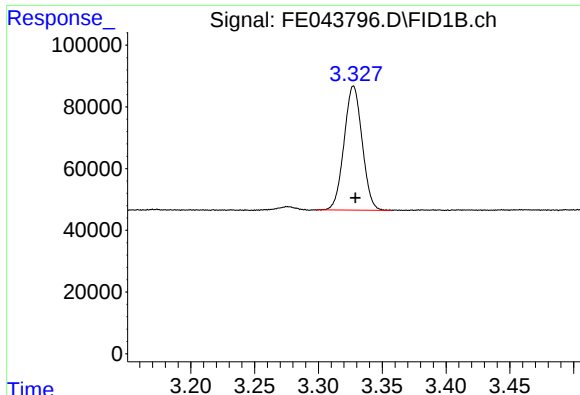
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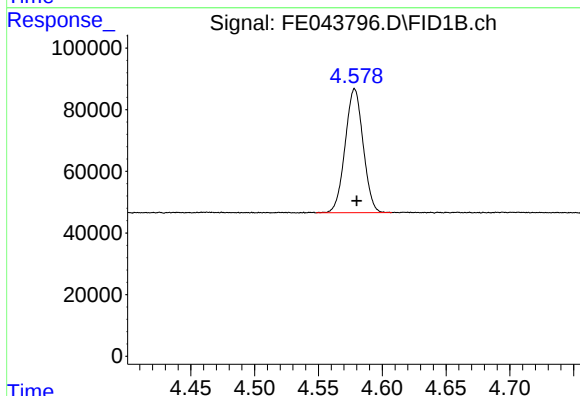
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: -0.001 min
Response: 396160
Conc: 2.45 ug/ml

Instrument :
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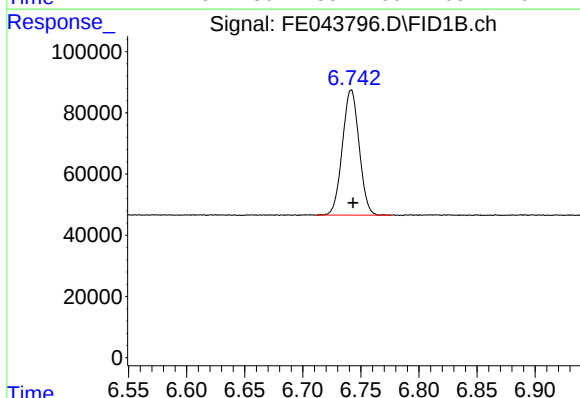
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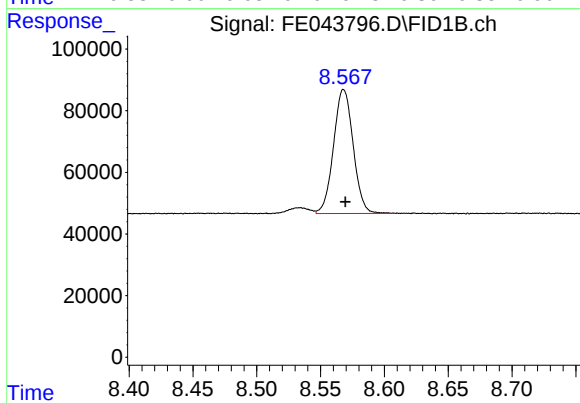
#2 n-Decane (C10)

R.T.: 4.578 min
Delta R.T.: -0.002 min
Response: 395177
Conc: 2.40 ug/ml



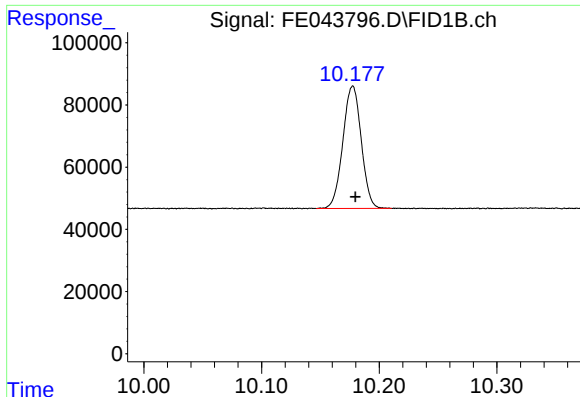
#4 n-Dodecane (C12)

R.T.: 6.742 min
Delta R.T.: -0.002 min
Response: 410327
Conc: 2.45 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.001 min
Response: 431071
Conc: 2.56 ug/ml



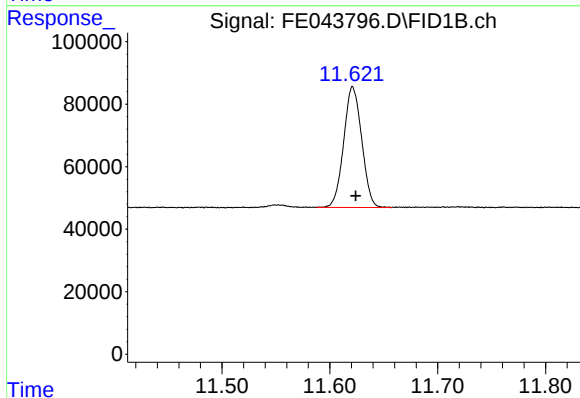
#7 n-Hexadecane (C16)

R.T.: 10.178 min
Delta R.T.: -0.002 min
Response: 427997
Conc: 2.43 ug/ml

Instrument :
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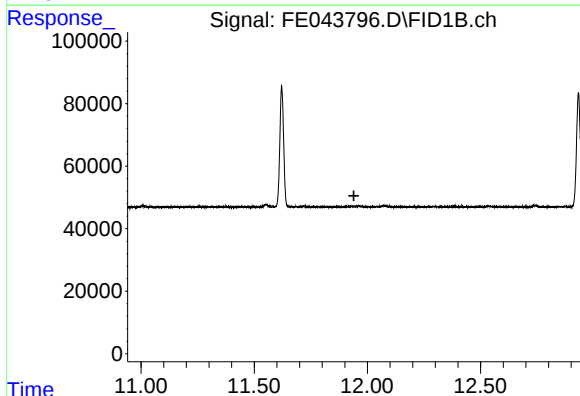
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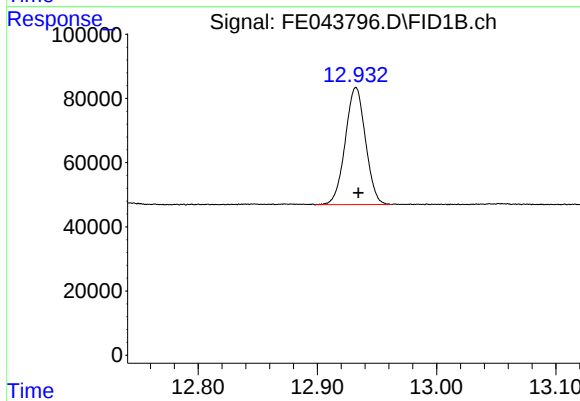
#8 n-Octadecane (C18)

R.T.: 11.621 min
Delta R.T.: -0.003 min
Response: 448905
Conc: 2.48 ug/ml



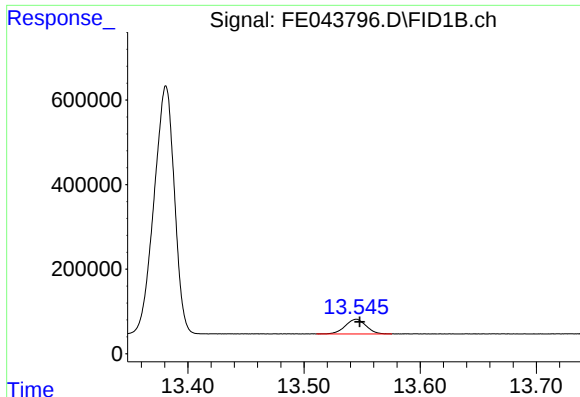
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.932 min
Delta R.T.: -0.002 min
Response: 431183
Conc: 2.44 ug/ml



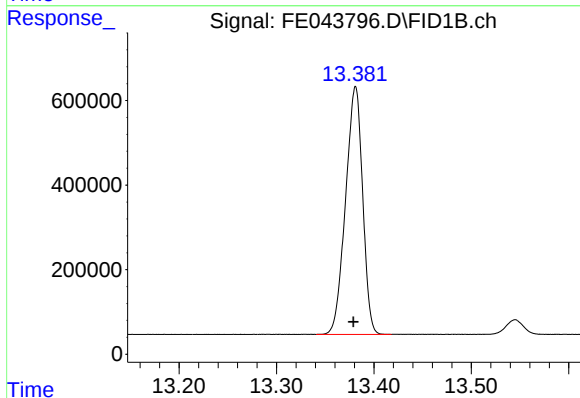
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.003 min
Response: 429852
Conc: 2.43 ug/ml

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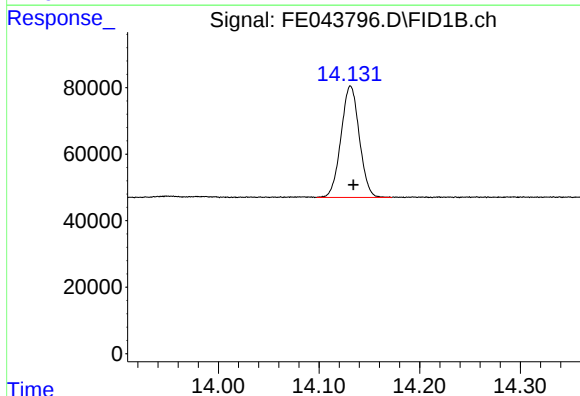
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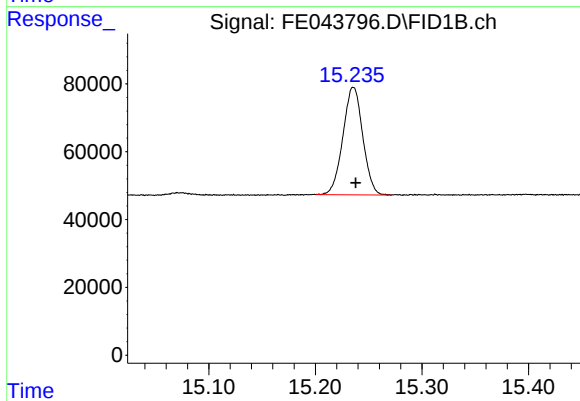
#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: 0.002 min
Response: 7133819
Conc: 45.72 ug/ml



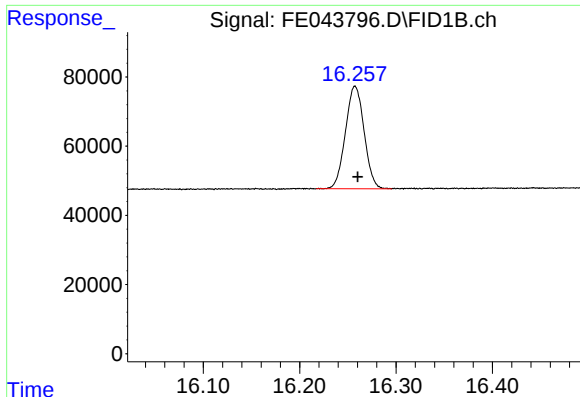
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.003 min
Response: 423623
Conc: 2.42 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.236 min
Delta R.T.: -0.002 min
Response: 411025
Conc: 2.34 ug/ml



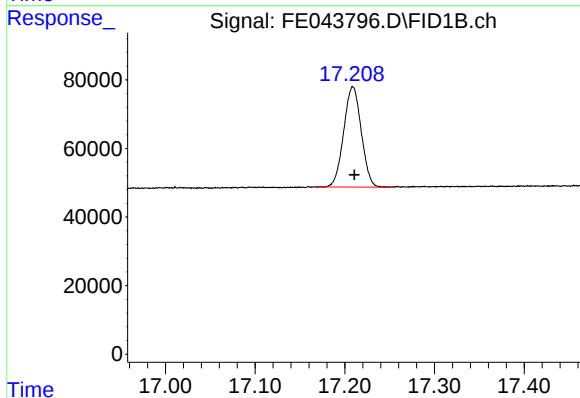
#15 n-Hexacosane (C26)

R.T.: 16.257 min
Delta R.T.: -0.003 min
Response: 397982
Conc: 2.30 ug/ml

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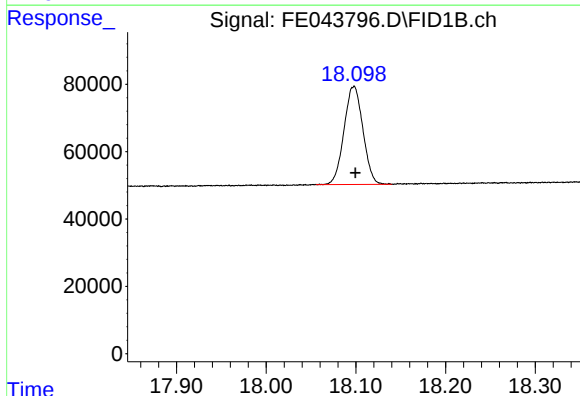
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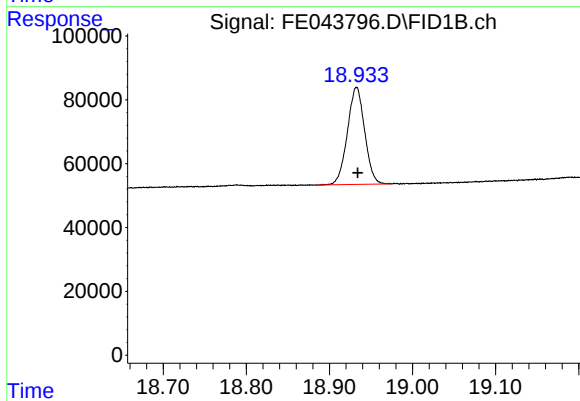
#16 n-Octacosane (C28)

R.T.: 17.209 min
Delta R.T.: -0.002 min
Response: 398479
Conc: 2.38 ug/ml



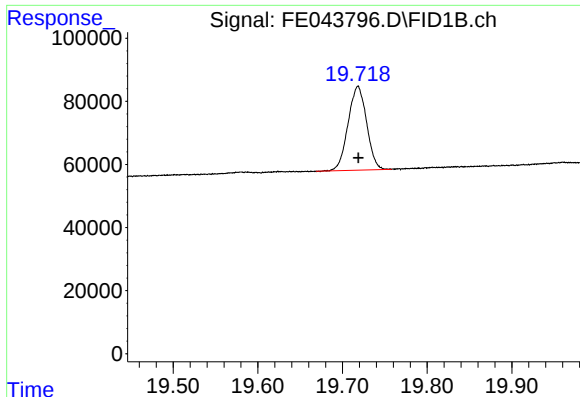
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: -0.002 min
Response: 426619
Conc: 2.58 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.933 min
Delta R.T.: -0.001 min
Response: 438509
Conc: 2.78 ug/ml



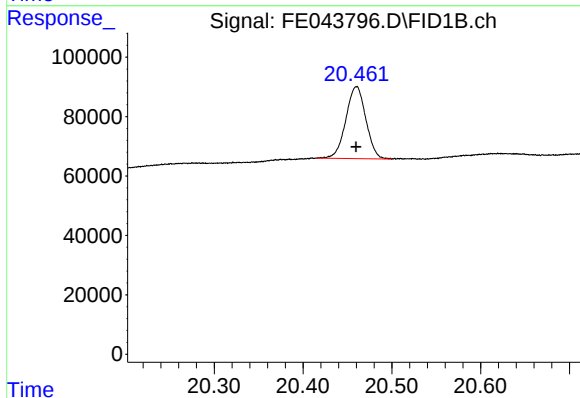
#19 n-Tetratriacontane (C34)

R.T.: 19.718 min
Delta R.T.: 0.000 min
Response: 404315
Conc: 2.72 ug/ml

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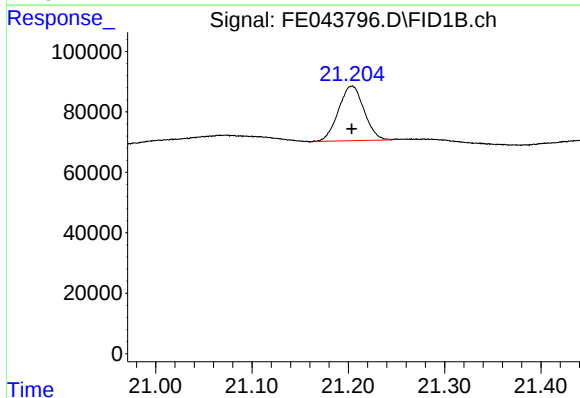
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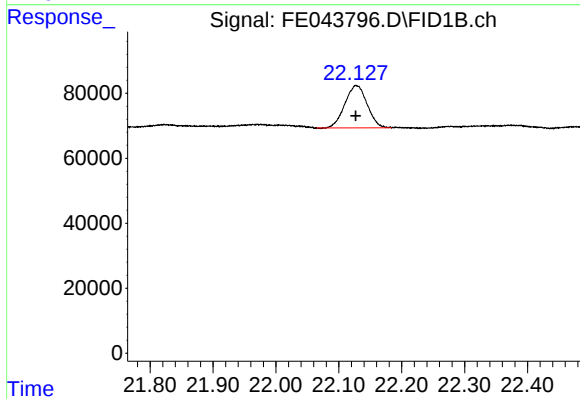
#20 n-Hexatriacontane (C36)

R.T.: 20.460 min
Delta R.T.: 0.000 min
Response: 378688
Conc: 2.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.204 min
Delta R.T.: 0.000 min
Response: 332915
Conc: 2.50 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.127 min
Delta R.T.: 0.000 min
Response: 321803
Conc: 2.49 ug/ml