

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061425AL\
 Data File : FE054382.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 14:20
 Operator : YP\AJ
 Sample : Q2126-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 14 00:01:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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...	13.268	4395099	36.041 ug/ml
Spiked Amount 50.000		Recovery =	72.08%
Target Compounds			
1) T n-Nonane (C9)	3.175	187417	1.509 ug/ml
2) T n-Decane (C10)	4.438	223888	1.802 ug/ml
4) T n-Dodecane (C12)	6.620	251097	1.972 ug/ml
6) T n-Tetradecane (C14)	8.453	314316	2.428 ug/mlm
7) T n-Hexadecane (C16)	10.065	320738	2.414 ug/ml
8) T n-Octadecane (C18)	11.510	367547	2.722 ug/ml
10) T n-Eicosane (C20)	12.821	402458	3.008 ug/ml
11) T n-Heneicosane (C21)	13.435	395761	2.976 ug/ml
13) T n-Docosane (C22)	14.022	388368	2.962 ug/ml
14) T n-Tetracosane (C24)	15.126	388465	3.011 ug/mlm
15) T n-Hexacosane (C26)	16.149	365508	2.912 ug/ml
16) T n-Octacosane (C28)	17.100	358477	2.923 ug/ml
17) T n-Tricontane (C30)	17.989	376803	3.040 ug/mlm
18) T n-Dotriacontane (C32)	18.822	384232	3.058 ug/ml
19) T n-Tetratriacontane (C34)	19.606	381187	3.064 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	368023	2.859 ug/mlm
21) T n-Octatriacontane (C38)	21.073	344140	2.606 ug/ml
22) T n-Tetracontane (C40)	21.960	334396	2.482 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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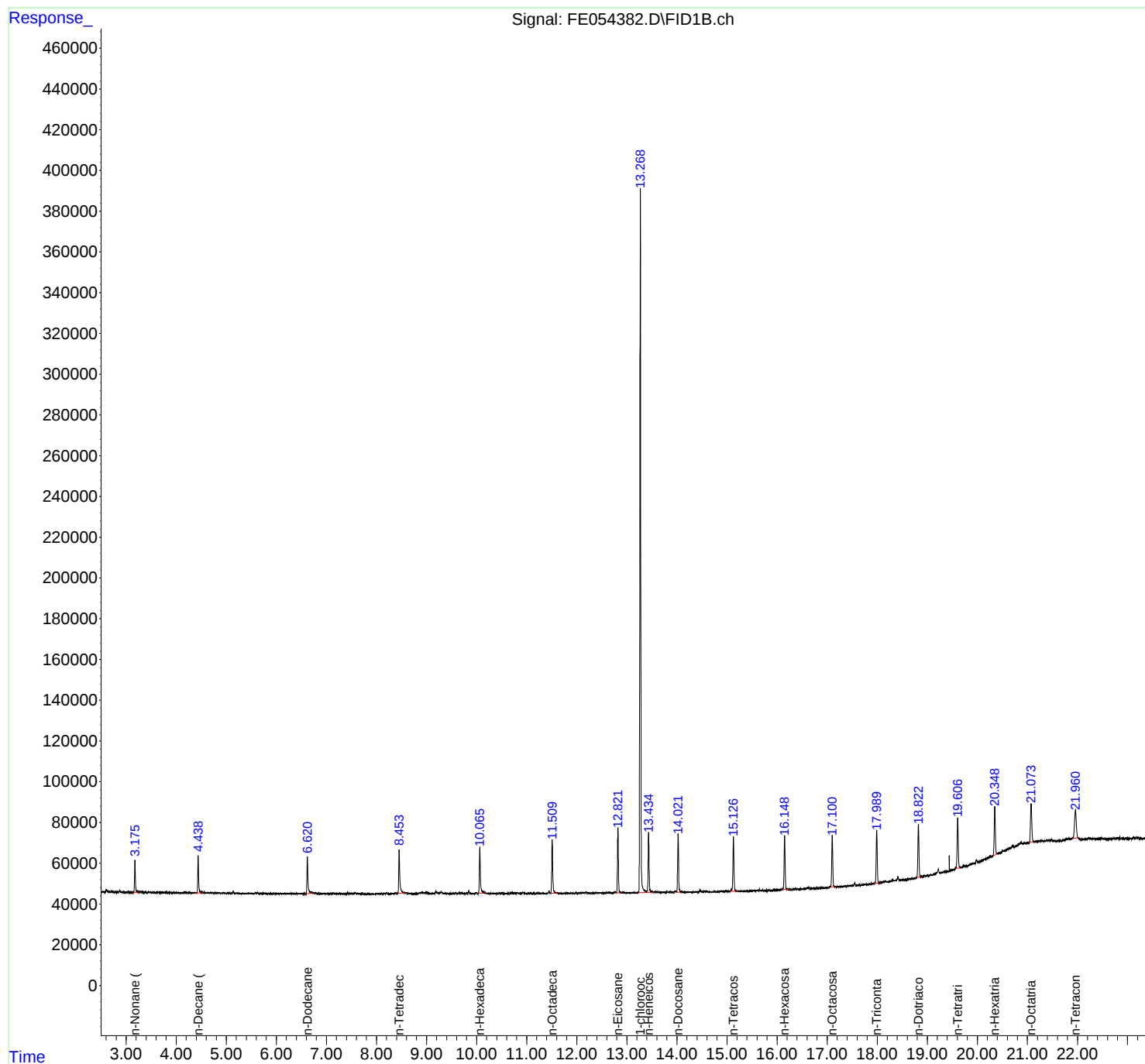
Instrument :
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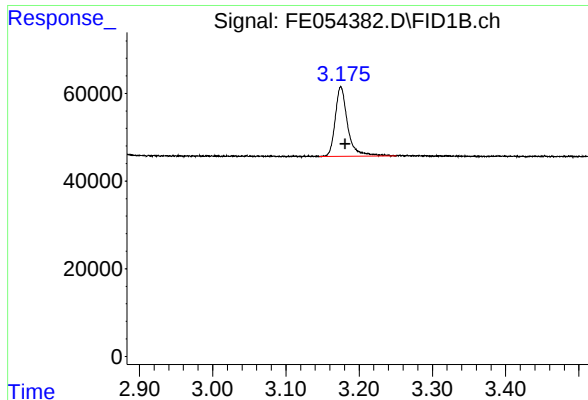
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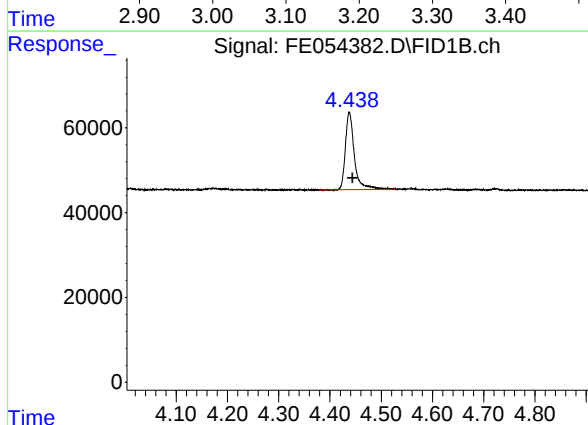
#1 n-Nonane (C9)

R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 187417
Conc: 1.51 ug/ml

Instrument :
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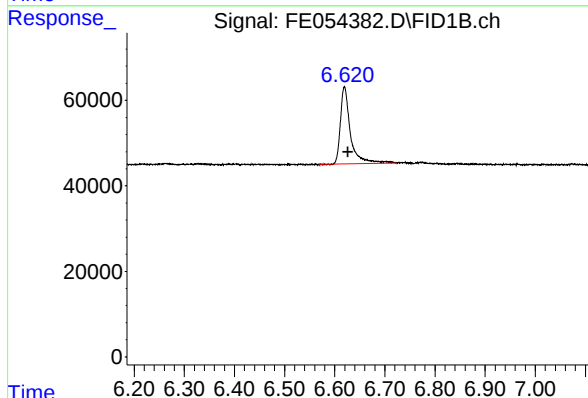
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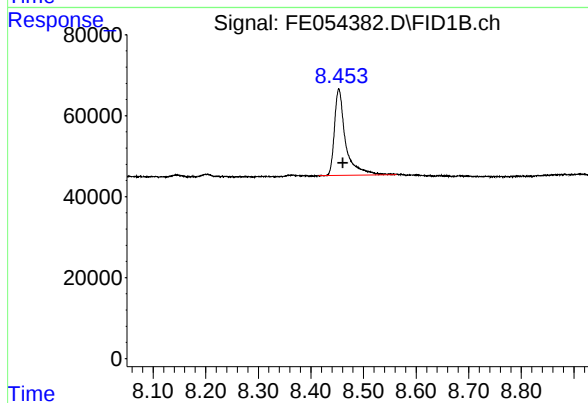
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 223888
Conc: 1.80 ug/ml



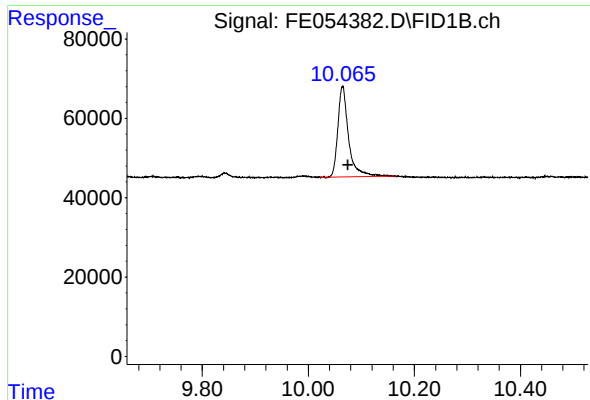
#4 n-Dodecane (C12)

R.T.: 6.620 min
Delta R.T.: -0.007 min
Response: 251097
Conc: 1.97 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.009 min
Response: 314316
Conc: 2.43 ug/ml m



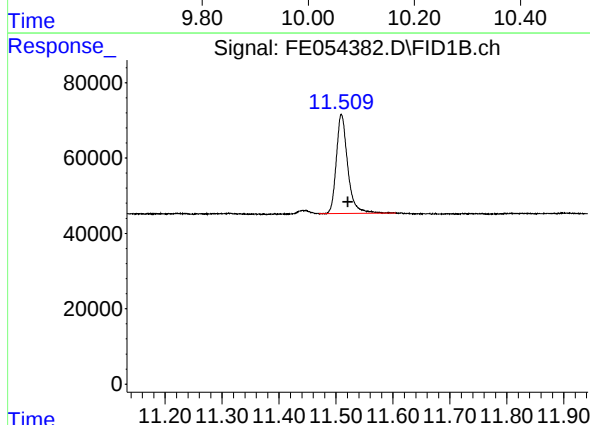
#7 n-Hexadecane (C16)

R.T.: 10.065 min
Delta R.T.: -0.010 min
Response: 320738
Conc: 2.41 ug/ml

Instrument : FID_E
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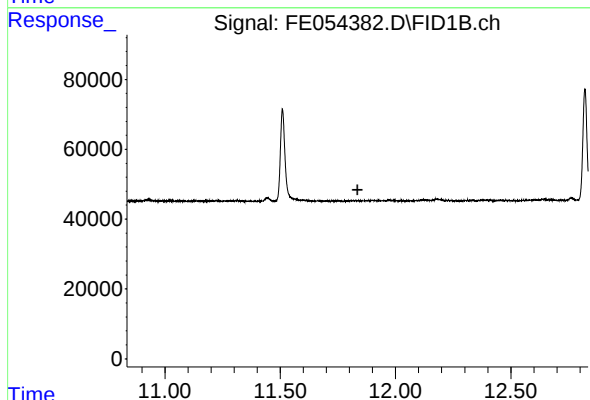
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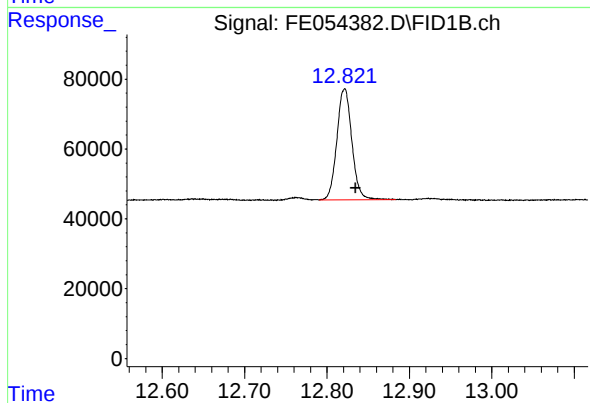
#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 367547
Conc: 2.72 ug/ml



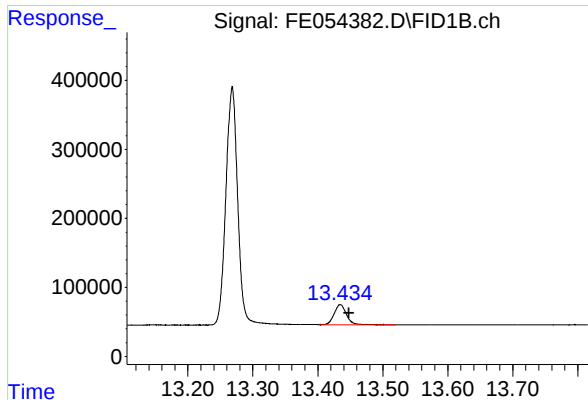
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.835 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.013 min
Response: 402458
Conc: 3.01 ug/ml



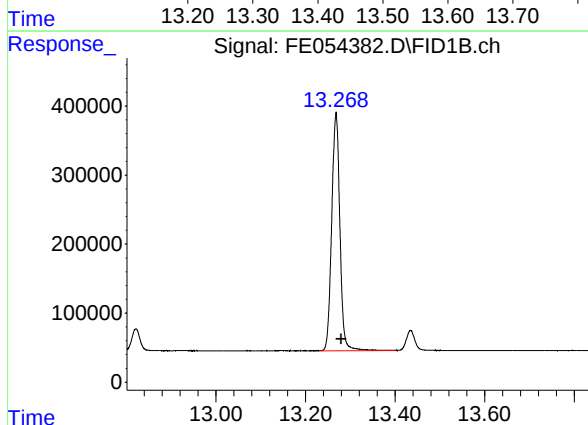
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.013 min
Response: 395761
Conc: 2.98 ug/ml

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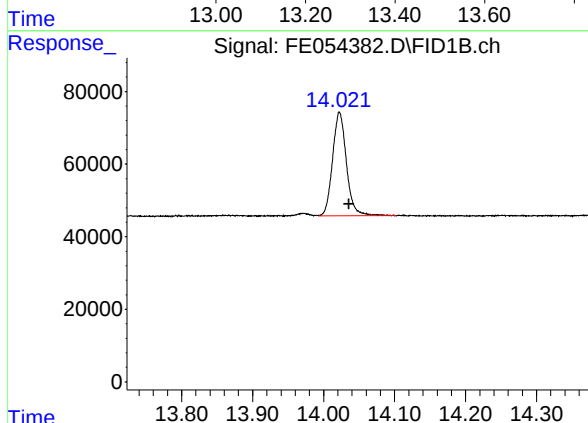
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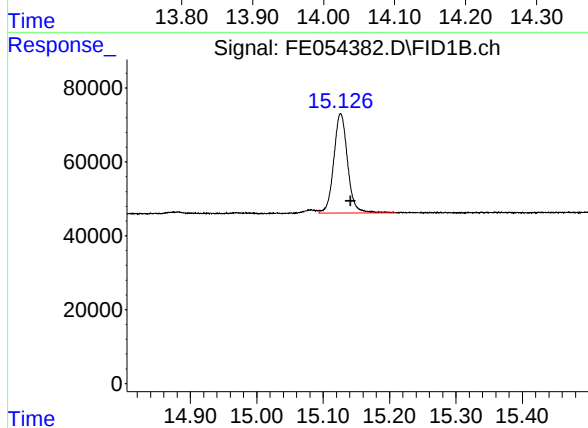
#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.011 min
Response: 4395099
Conc: 36.04 ug/ml



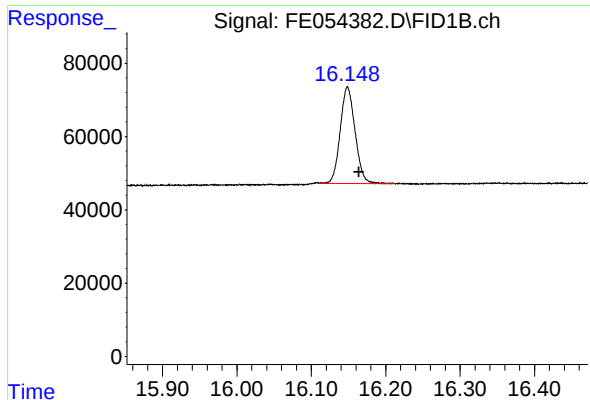
#13 n-Docosane (C22)

R.T.: 14.022 min
Delta R.T.: -0.013 min
Response: 388368
Conc: 2.96 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.015 min
Response: 388465
Conc: 3.01 ug/ml m



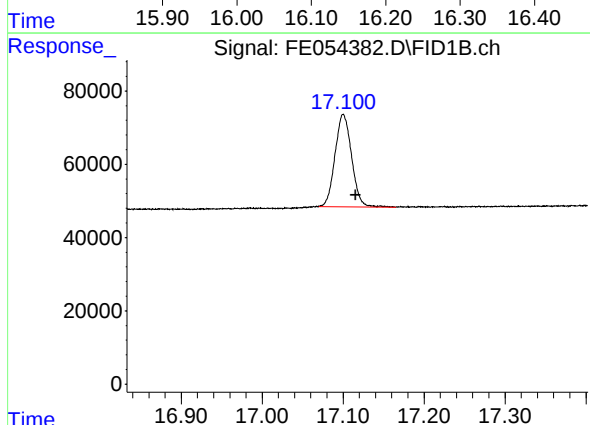
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.015 min
Response: 365508
Conc: 2.91 ug/ml

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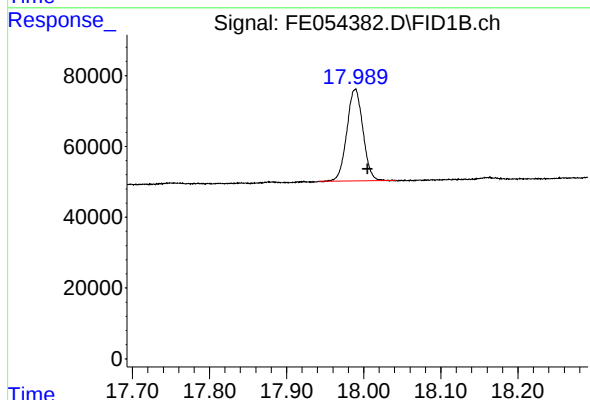
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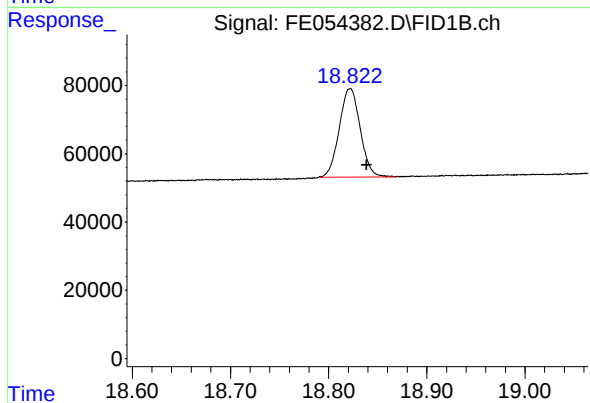
#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.015 min
Response: 358477
Conc: 2.92 ug/ml



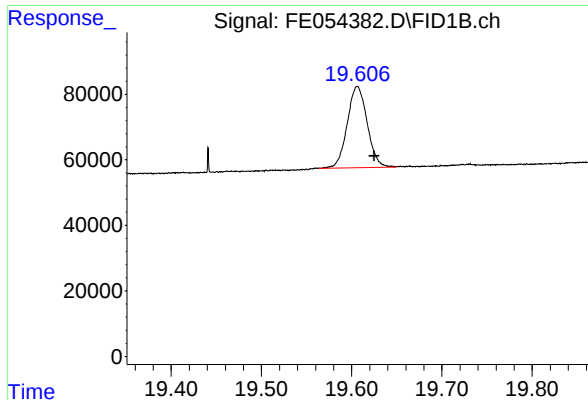
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.016 min
Response: 376803
Conc: 3.04 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.017 min
Response: 384232
Conc: 3.06 ug/ml



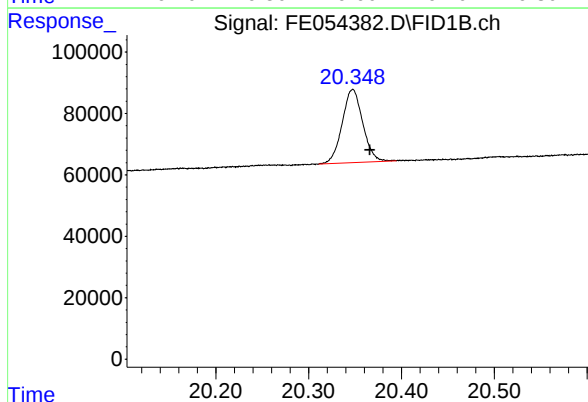
#19 n-Tetratriacontane (C34)

R.T.: 19.606 min
Delta R.T.: -0.019 min
Response: 381187
Conc: 3.06 ug/ml

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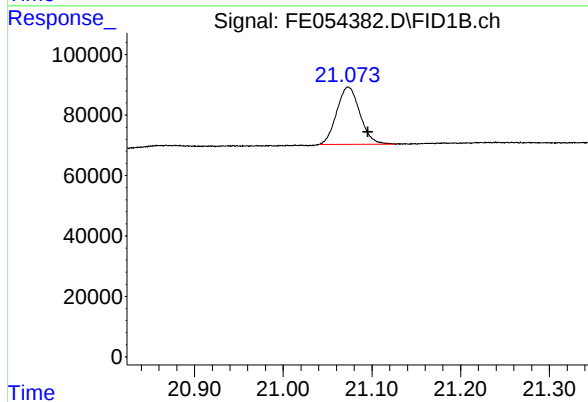
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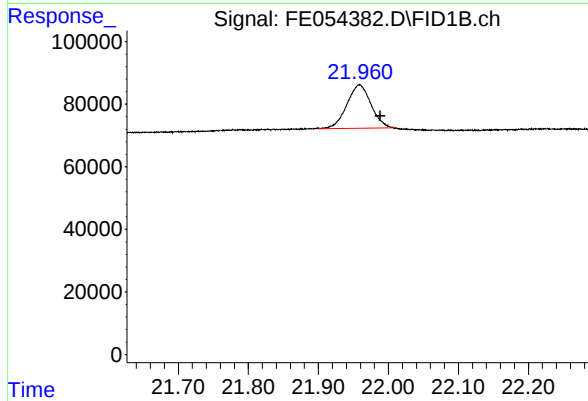
#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.019 min
Response: 368023
Conc: 2.86 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.022 min
Response: 344140
Conc: 2.61 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.028 min
Response: 334396
Conc: 2.48 ug/ml m