

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054332.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 11:09
 Operator : YP\AJ
 Sample : Q2126-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 01:14:25 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...	13.274	4741636	38.882 ug/ml
Spiked Amount 50.000		Recovery =	77.76%
Target Compounds			
1) T n-Nonane (C9)	3.179	151712	1.222 ug/ml
2) T n-Decane (C10)	4.441	192894	1.552 ug/mlm
4) T n-Dodecane (C12)	6.621	215784	1.695 ug/mlm
6) T n-Tetradecane (C14)	8.456	303371	2.343 ug/mlm
7) T n-Hexadecane (C16)	10.069	244865	1.843 ug/ml
8) T n-Octadecane (C18)	11.514	283569	2.100 ug/ml
10) T n-Eicosane (C20)	12.826	310454	2.321 ug/ml
11) T n-Heneicosane (C21)	13.439	324357	2.439 ug/mlm
13) T n-Docosane (C22)	14.028	300497	2.292 ug/ml
14) T n-Tetracosane (C24)	15.134	300992	2.333 ug/mlm
15) T n-Hexacosane (C26)	16.157	294186	2.344 ug/mlm
16) T n-Octacosane (C28)	17.106	290483	2.369 ug/mlm
17) T n-Tricontane (C30)	17.994	309778	2.499 ug/mlm
18) T n-Dotriacontane (C32)	18.828	323919	2.578 ug/mlm
19) T n-Tetratriacontane (C34)	19.613	329995	2.653 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	285064	2.214 ug/ml
21) T n-Octatriacontane (C38)	21.081	272882	2.067 ug/ml
22) T n-Tetracontane (C40)	21.970	305785	2.270 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
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ALS Vial : 10 Sample Multiplier: 1

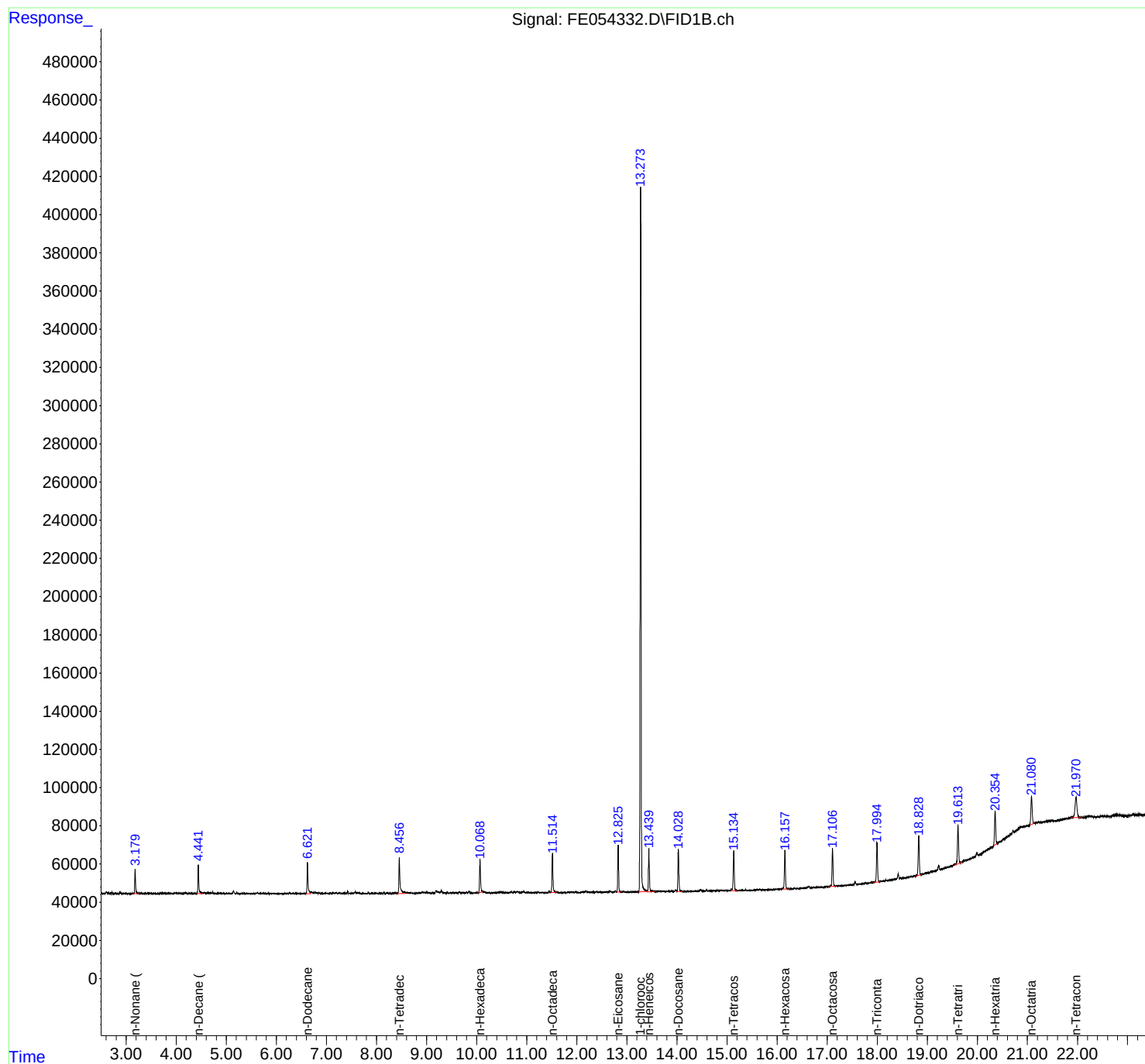
Instrument :
FID_E
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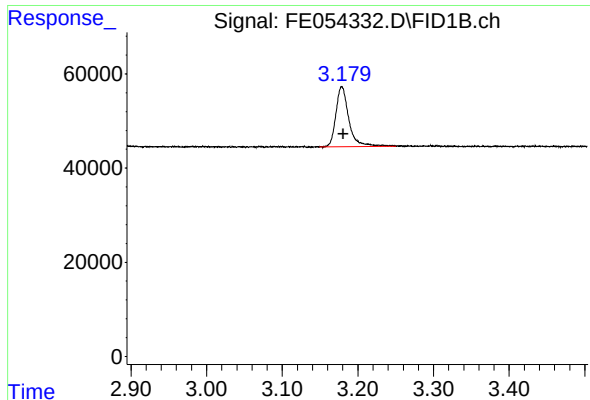
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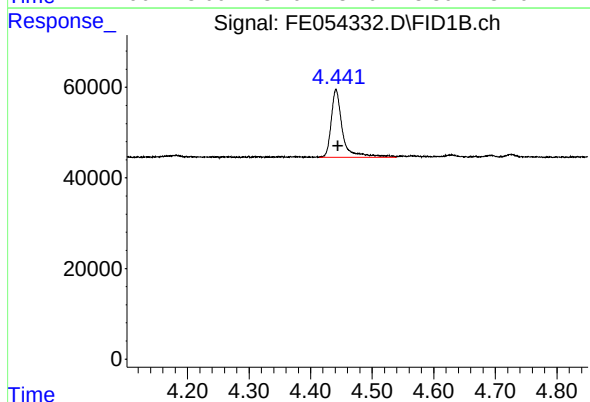
#1 n-Nonane (C9)

R.T.: 3.179 min
Delta R.T.: -0.002 min
Response: 151712
Conc: 1.22 ug/ml

Instrument :
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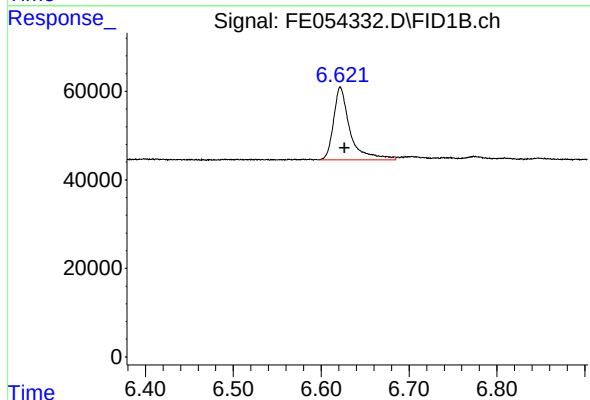
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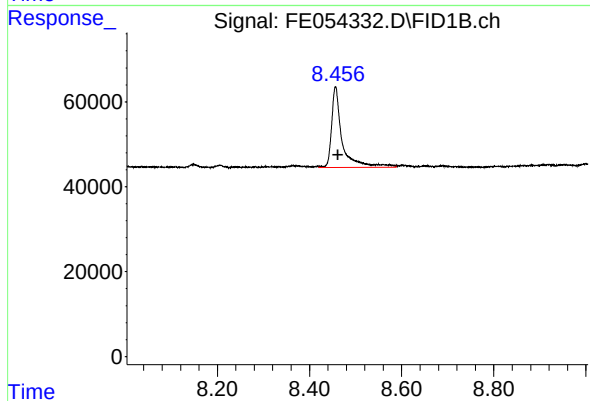
#2 n-Decane (C10)

R.T.: 4.441 min
Delta R.T.: -0.003 min
Response: 192894
Conc: 1.55 ug/ml m



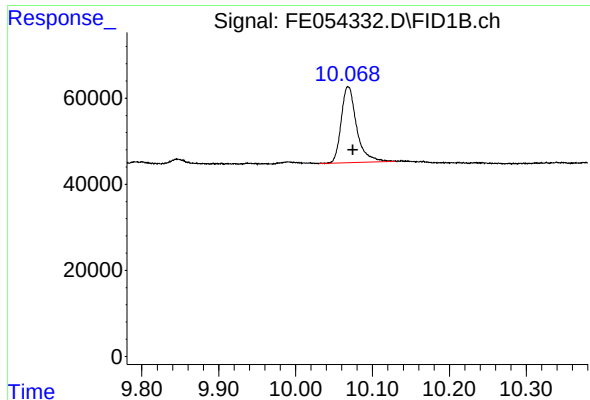
#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.006 min
Response: 215784
Conc: 1.69 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.005 min
Response: 303371
Conc: 2.34 ug/ml m



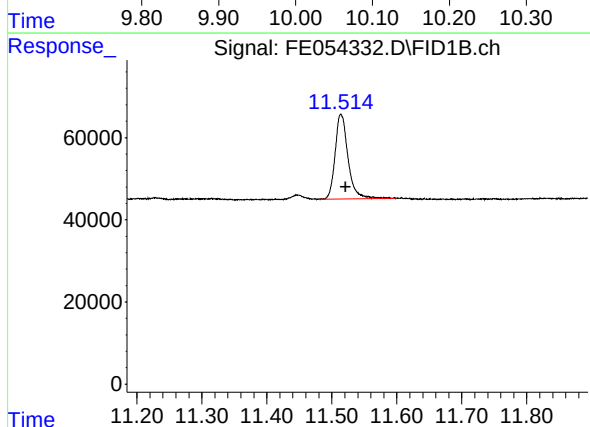
#7 n-Hexadecane (C16)

R.T.: 10.069 min
Delta R.T.: -0.006 min
Response: 244865
Conc: 1.84 ug/ml

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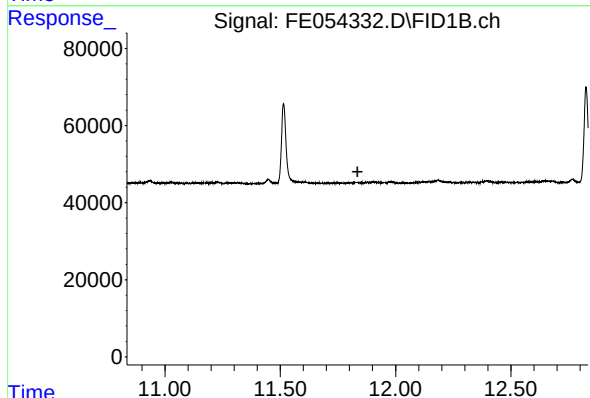
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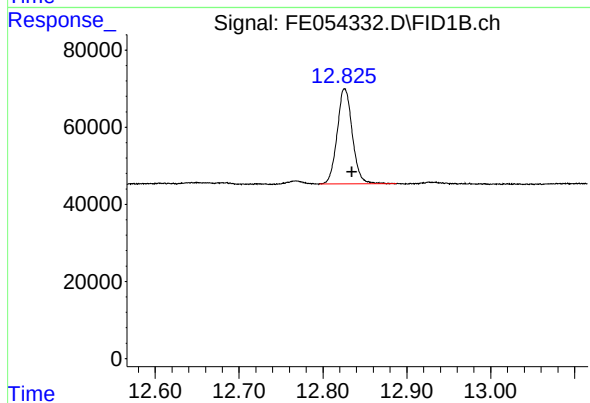
#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.007 min
Response: 283569
Conc: 2.10 ug/ml



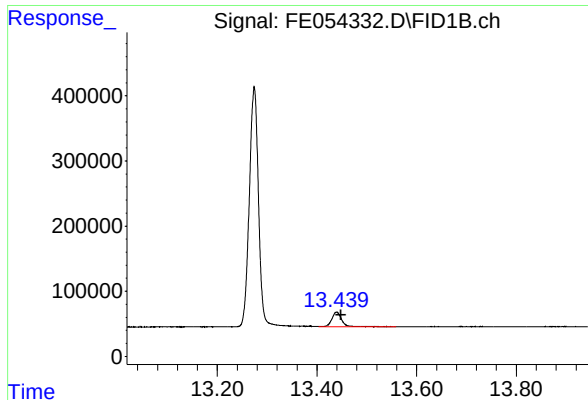
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.009 min
Response: 310454
Conc: 2.32 ug/ml



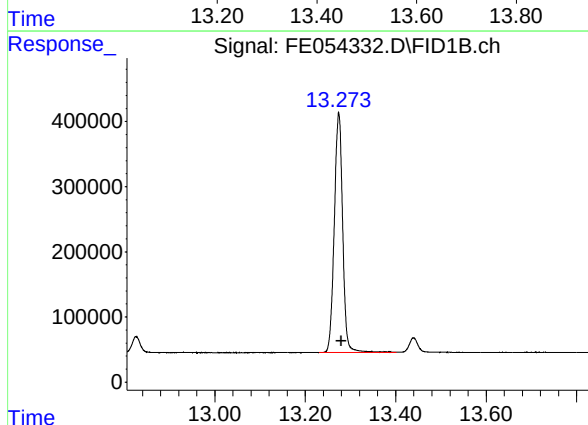
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 324357
Conc: 2.44 ug/ml

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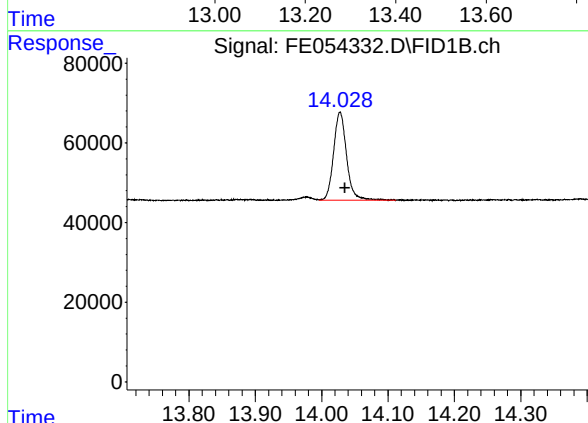
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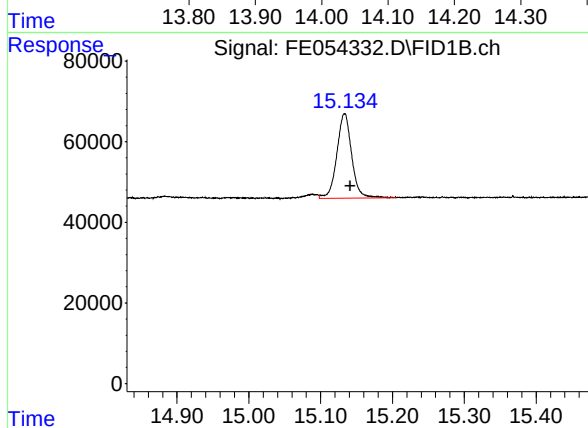
#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min
Delta R.T.: -0.006 min
Response: 4741636
Conc: 38.88 ug/ml



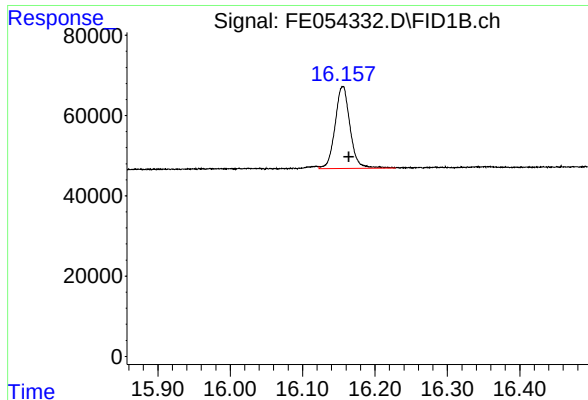
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.008 min
Response: 300497
Conc: 2.29 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: -0.007 min
Response: 300992
Conc: 2.33 ug/ml m



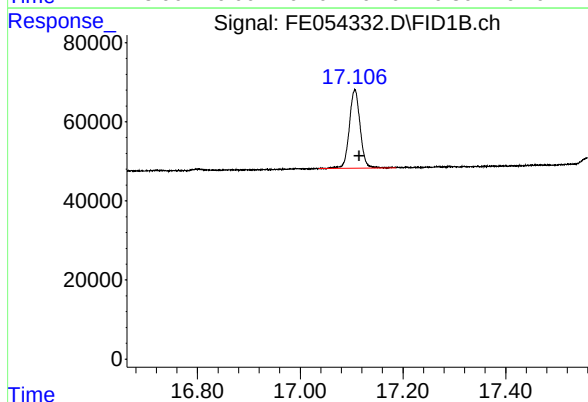
#15 n-Hexacosane (C26)

R.T.: 16.157 min
Delta R.T.: -0.008 min
Response: 294186
Conc: 2.34 ug/ml

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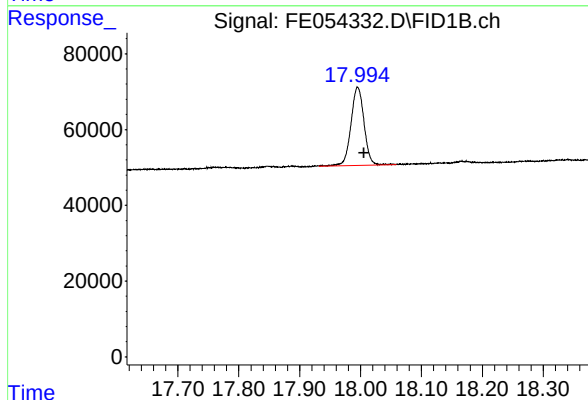
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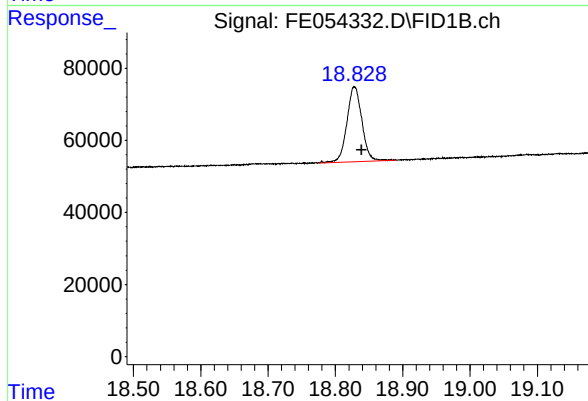
#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.009 min
Response: 290483
Conc: 2.37 ug/ml m



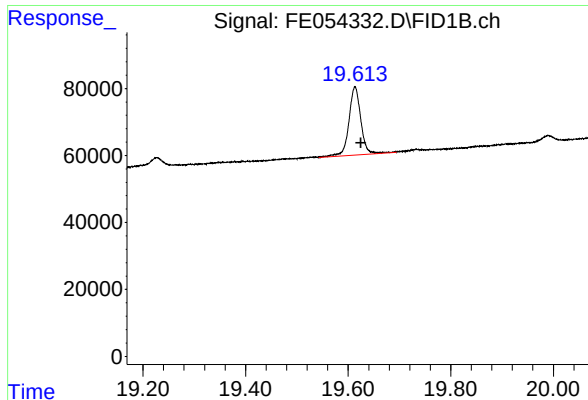
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.011 min
Response: 309778
Conc: 2.50 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 323919
Conc: 2.58 ug/ml m



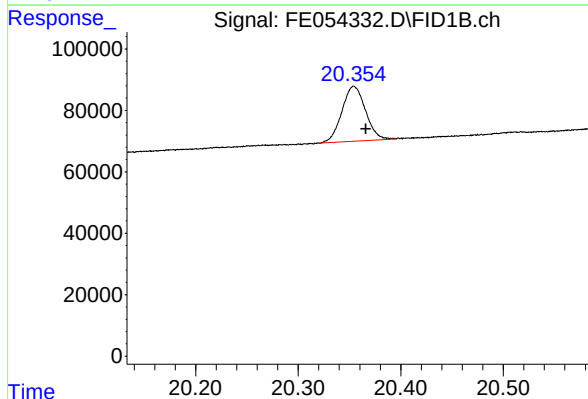
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 329995
Conc: 2.65 ug/ml

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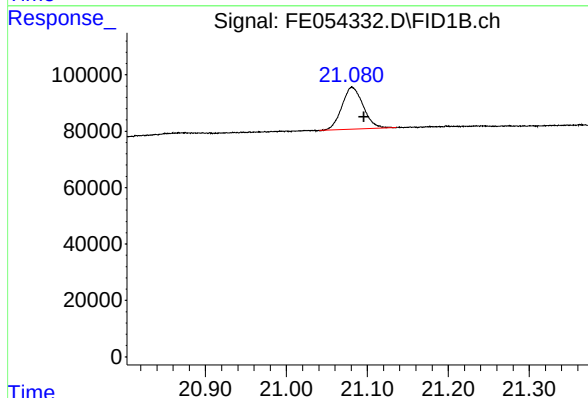
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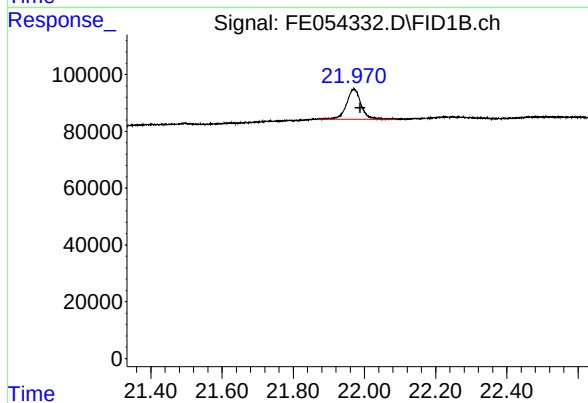
#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 285064
Conc: 2.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.014 min
Response: 272882
Conc: 2.07 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.018 min
Response: 305785
Conc: 2.27 ug/ml m