

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054333.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 11:39
 Operator : YP\AJ
 Sample : Q2126-01
 Misc :
 ALS Vial : 11 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 01:14:44 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	5822414	47.745 ug/ml
Spiked Amount 50.000		Recovery =	95.49%
Target Compounds			
1) T n-Nonane (C9)	3.177	340385	2.741 ug/mlm
2) T n-Decane (C10)	4.441	386141	3.108 ug/ml
4) T n-Dodecane (C12)	6.621	449570	3.531 ug/mlm
6) T n-Tetradecane (C14)	8.456	503597	3.890 ug/ml
7) T n-Hexadecane (C16)	10.068	524640	3.949 ug/ml
8) T n-Octadecane (C18)	11.513	604394	4.476 ug/mlm
10) T n-Eicosane (C20)	12.826	610570	4.564 ug/ml
11) T n-Heneicosane (C21)	13.439	597891	4.497 ug/ml
13) T n-Docosane (C22)	14.027	590047	4.500 ug/ml
14) T n-Tetracosane (C24)	15.132	609320	4.724 ug/mlm
15) T n-Hexacosane (C26)	16.154	577893	4.604 ug/mlm
16) T n-Octacosane (C28)	17.106	572714	4.670 ug/mlm
17) T n-Tricontane (C30)	17.994	599975	4.841 ug/ml
18) T n-Dotriacontane (C32)	18.828	626752	4.988 ug/ml
19) T n-Tetratriacontane (C34)	19.612	638884	5.135 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	586670	4.557 ug/ml
21) T n-Octatriacontane (C38)	21.081	576732	4.368 ug/ml
22) T n-Tetracontane (C40)	21.969	553170	4.106 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 11 Sample Multiplier: 1

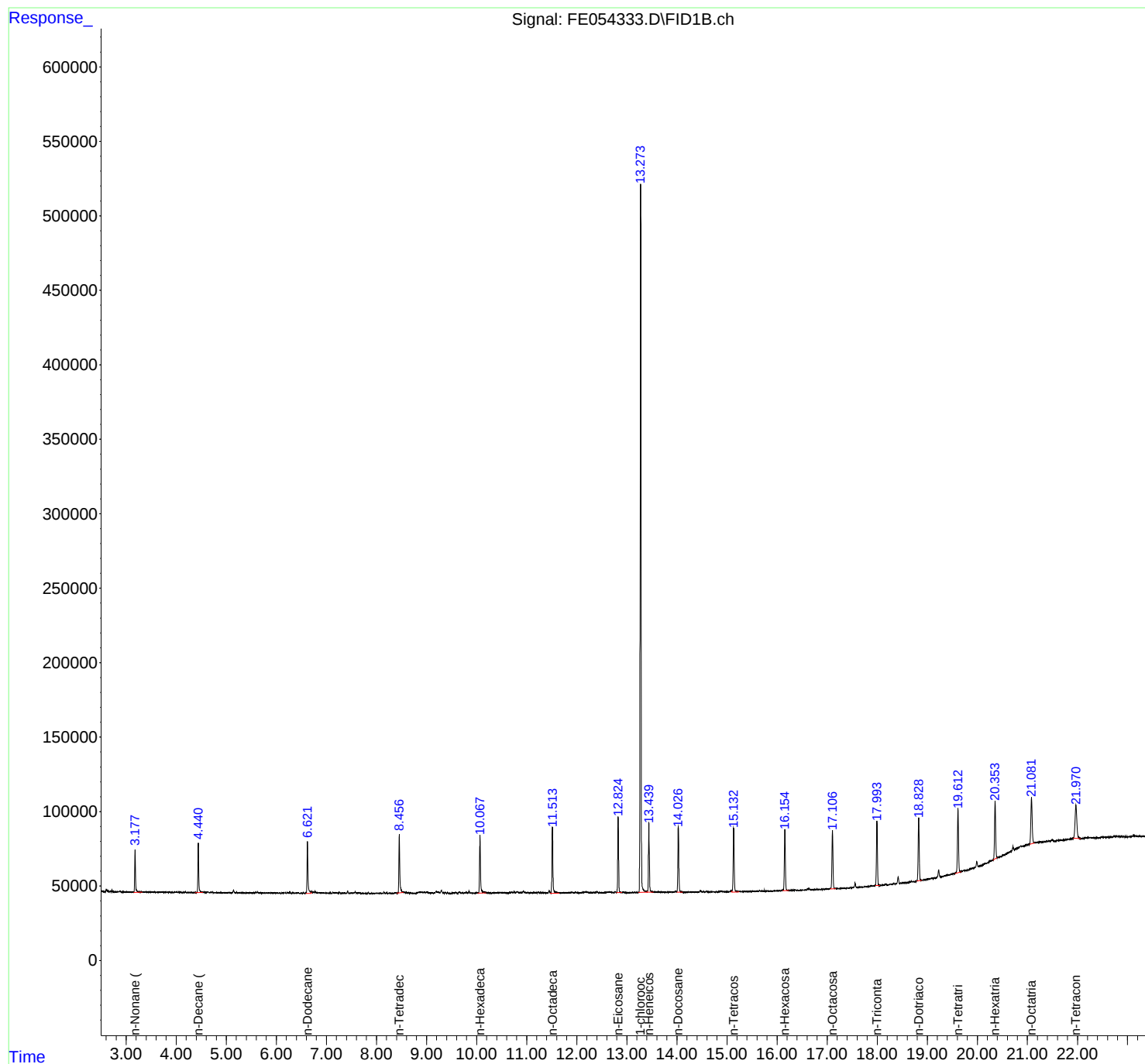
Instrument :
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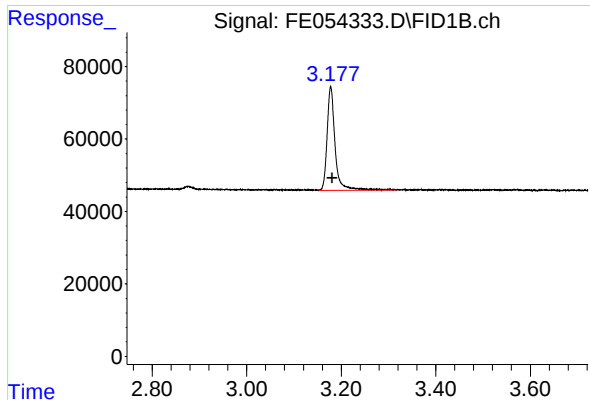
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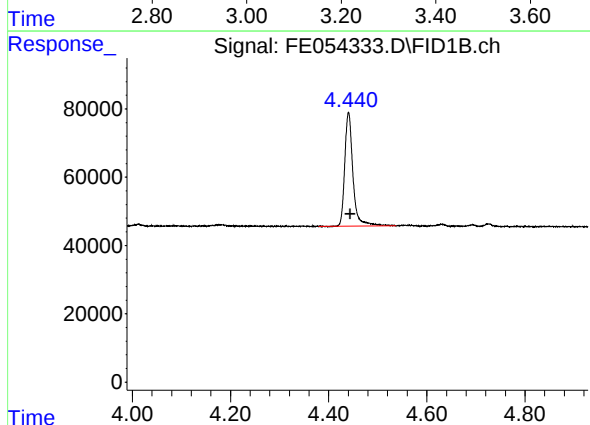
#1 n-Nonane (C9)

R.T.: 3.177 min
Delta R.T.: -0.004 min
Response: 340385
Conc: 2.74 ug/ml

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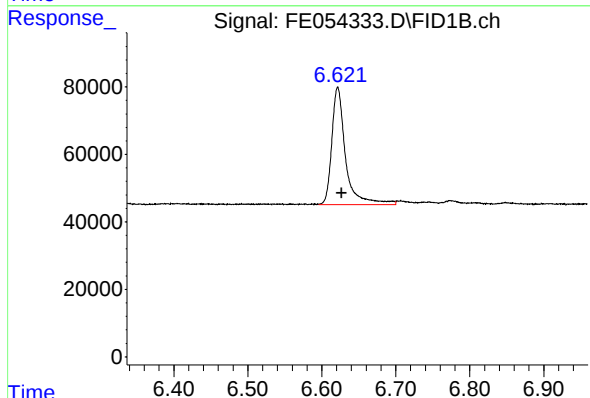
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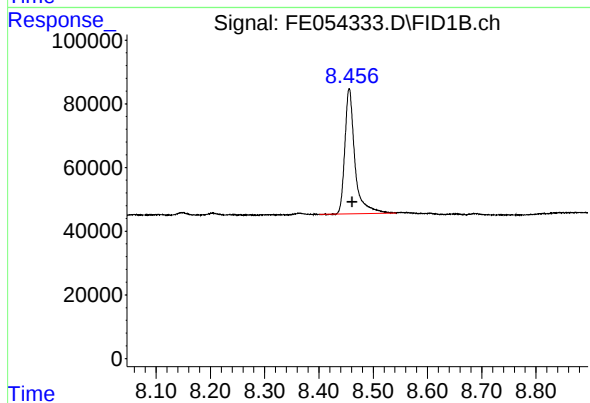
#2 n-Decane (C10)

R.T.: 4.441 min
Delta R.T.: -0.004 min
Response: 386141
Conc: 3.11 ug/ml



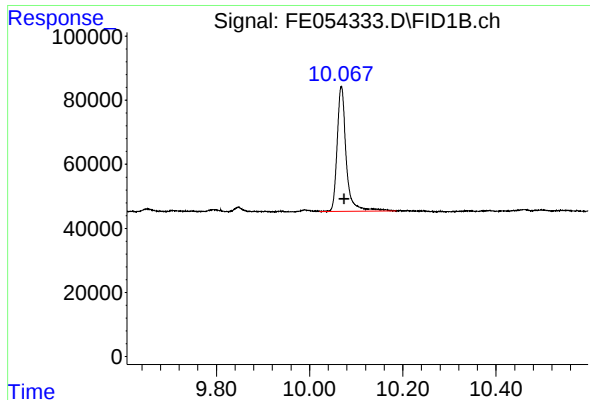
#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.005 min
Response: 449570
Conc: 3.53 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.005 min
Response: 503597
Conc: 3.89 ug/ml



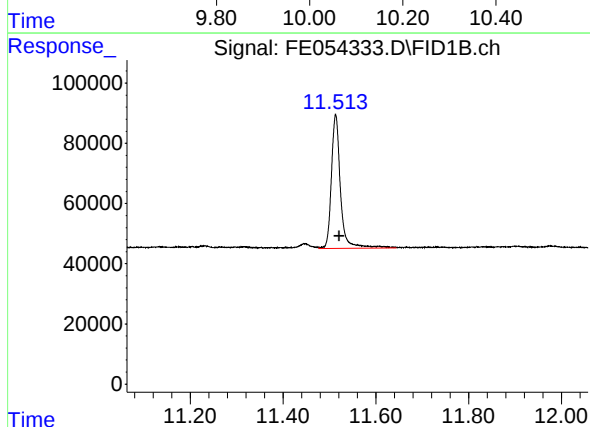
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.006 min
Response: 524640
Conc: 3.95 ug/ml

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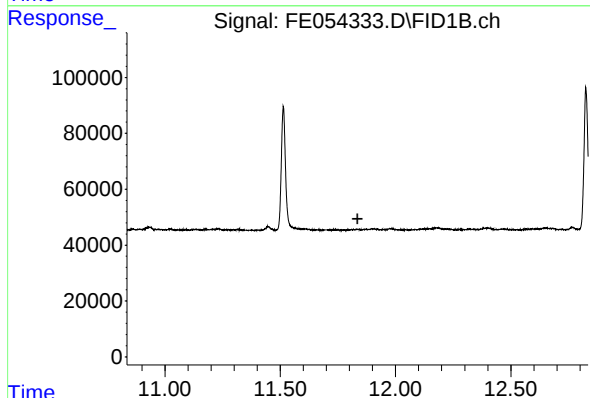
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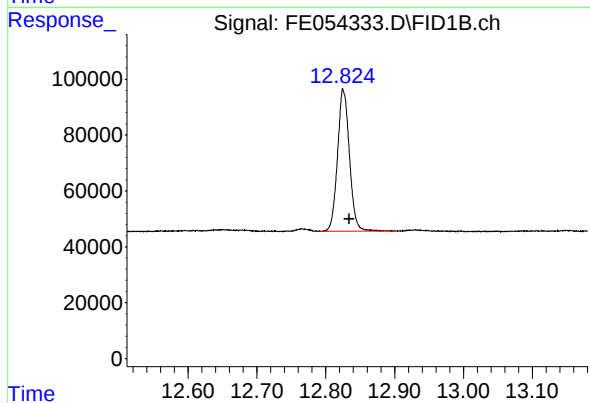
#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 604394
Conc: 4.48 ug/ml



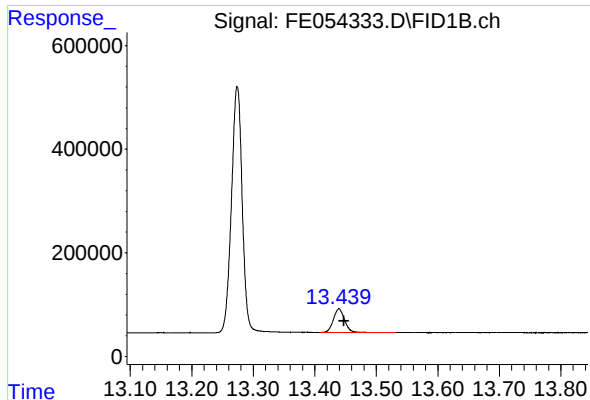
#9 ortho-Terphenyl (SURR)

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: 610570
Conc: 4.56 ug/ml



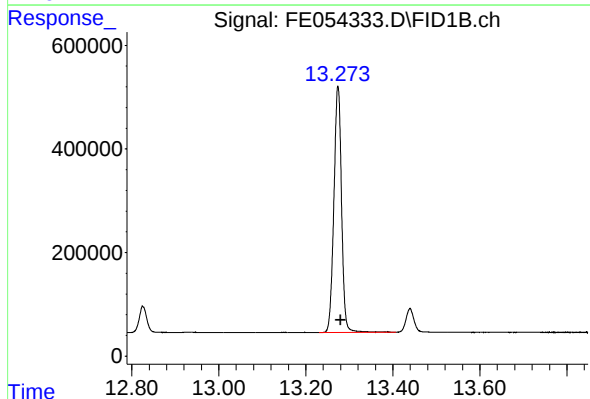
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.008 min
Response: 597891
Conc: 4.50 ug/ml

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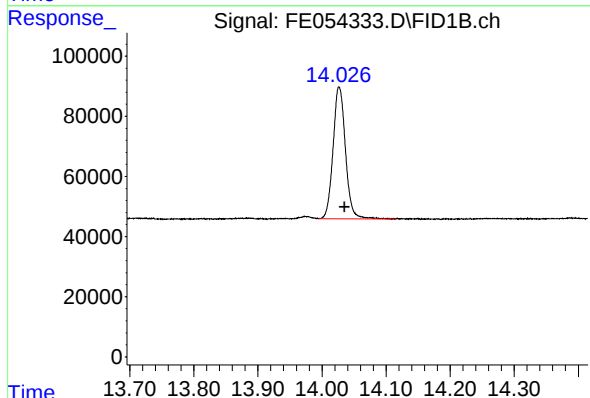
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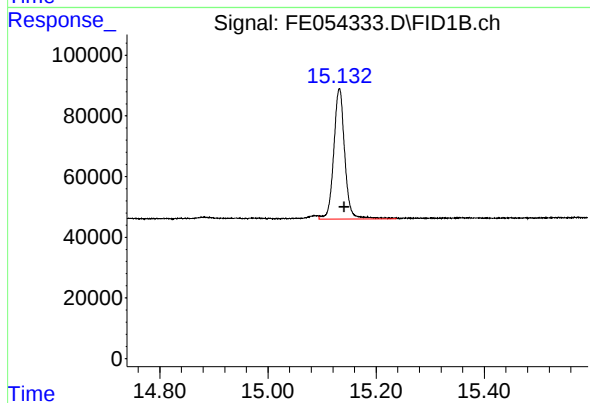
#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min
Delta R.T.: -0.006 min
Response: 5822414
Conc: 47.74 ug/ml



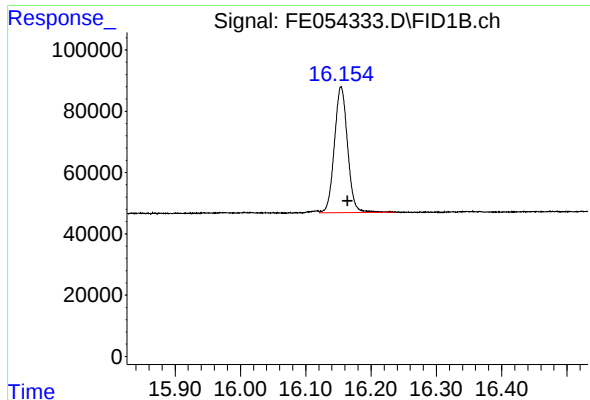
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.008 min
Response: 590047
Conc: 4.50 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.009 min
Response: 609320
Conc: 4.72 ug/ml m



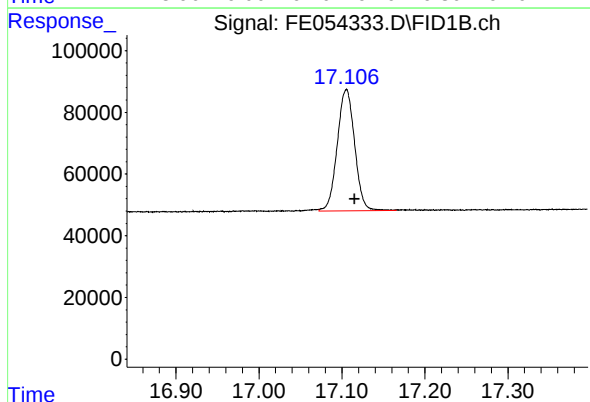
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.010 min
Response: 577893
Conc: 4.60 ug/ml

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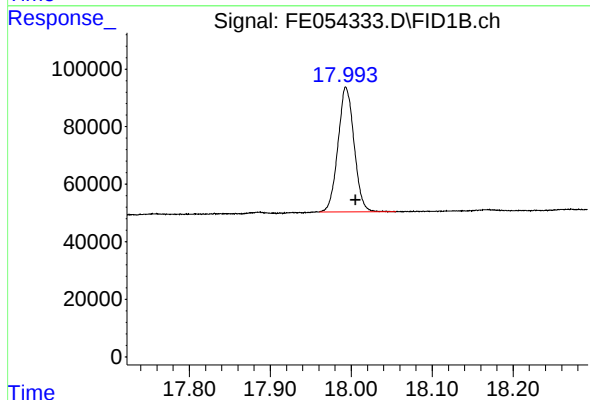
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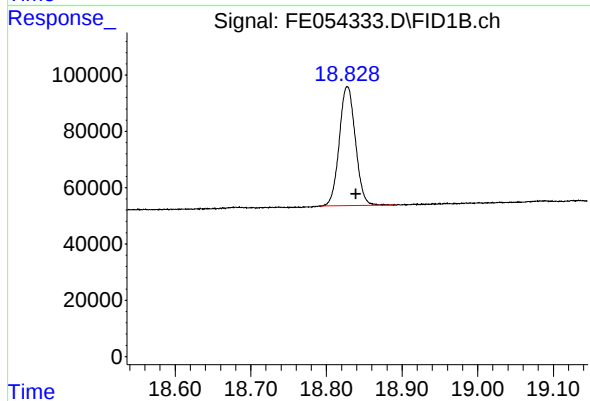
#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.010 min
Response: 572714
Conc: 4.67 ug/ml m



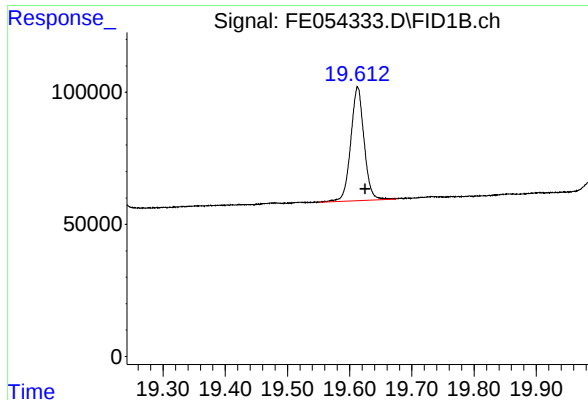
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.012 min
Response: 599975
Conc: 4.84 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 626752
Conc: 4.99 ug/ml



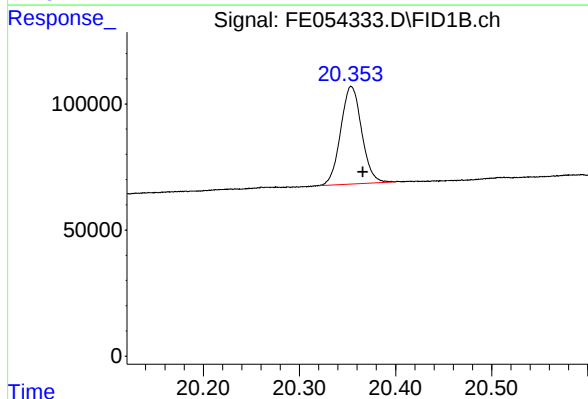
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 638884
Conc: 5.14 ug/ml

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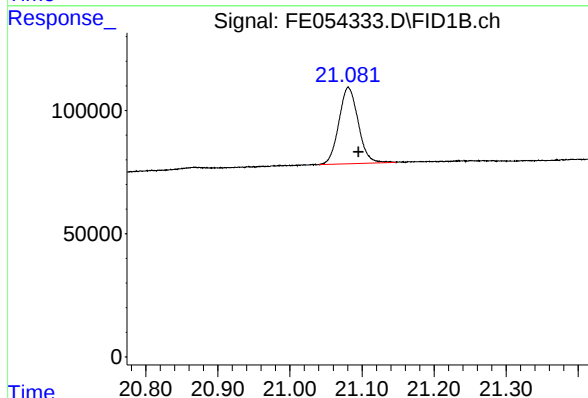
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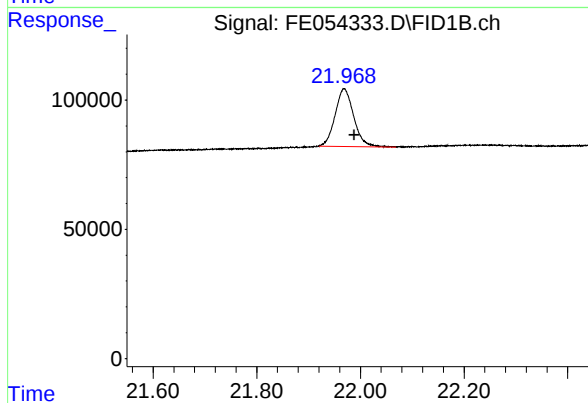
#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 586670
Conc: 4.56 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 576732
Conc: 4.37 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.020 min
Response: 553170
Conc: 4.11 ug/ml