

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061425AL\
 Data File : FE054383.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 14:50
 Operator : YP\AJ
 Sample : Q2126-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-WATER-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 00:01:54 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	4368839	35.825 ug/ml
Spiked Amount 50.000		Recovery =	71.65%
Target Compounds			
1) T n-Nonane (C9)	3.175	185556	1.494 ug/ml
2) T n-Decane (C10)	4.438	221940	1.786 ug/ml
4) T n-Dodecane (C12)	6.619	251602	1.976 ug/ml
6) T n-Tetradecane (C14)	8.452	321754	2.485 ug/mlm
7) T n-Hexadecane (C16)	10.064	327147	2.463 ug/ml
8) T n-Octadecane (C18)	11.510	363728	2.694 ug/ml
10) T n-Eicosane (C20)	12.821	401551	3.002 ug/ml
11) T n-Heneicosane (C21)	13.434	389518	2.929 ug/ml
13) T n-Docosane (C22)	14.022	387731	2.957 ug/ml
14) T n-Tetracosane (C24)	15.126	386728	2.998 ug/ml
15) T n-Hexacosane (C26)	16.149	363268	2.894 ug/ml
16) T n-Octacosane (C28)	17.100	375019	3.058 ug/mlm
17) T n-Tricontane (C30)	17.987	385814	3.113 ug/mlm
18) T n-Dotriacontane (C32)	18.821	391997	3.120 ug/ml
19) T n-Tetratriacontane (C34)	19.605	387066	3.111 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	361820	2.811 ug/mlm
21) T n-Octatriacontane (C38)	21.073	361169	2.735 ug/mlm
22) T n-Tetracontane (C40)	21.957	375433	2.787 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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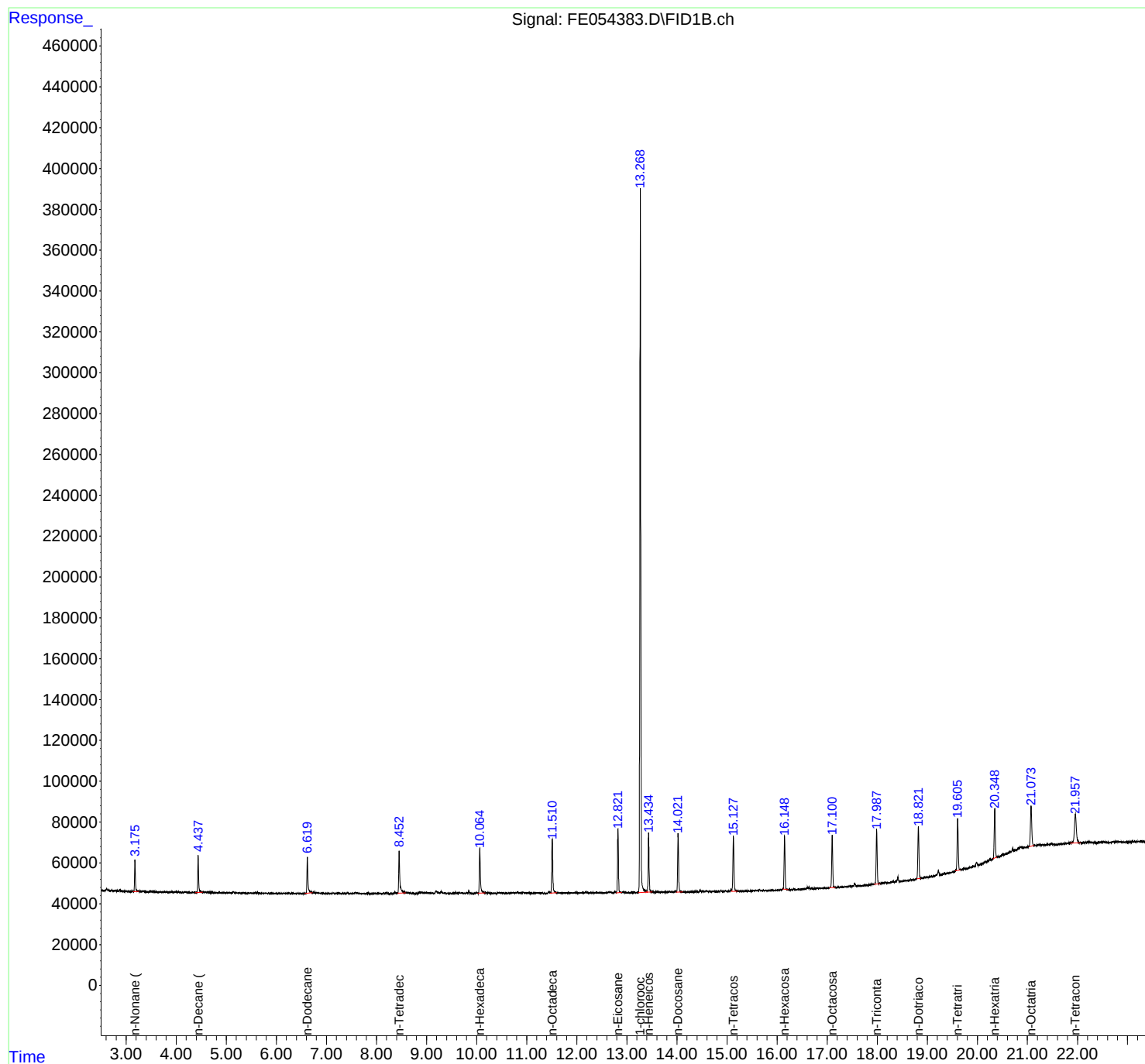
Instrument :
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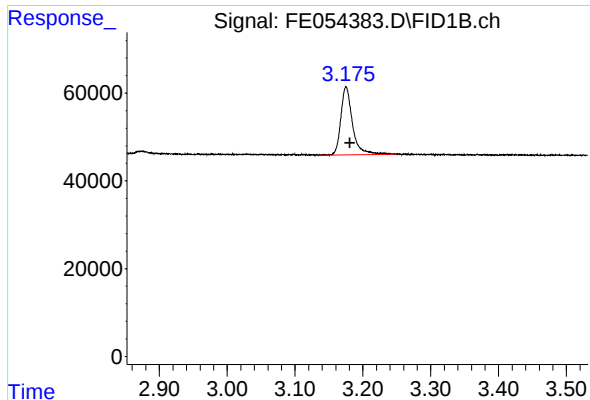
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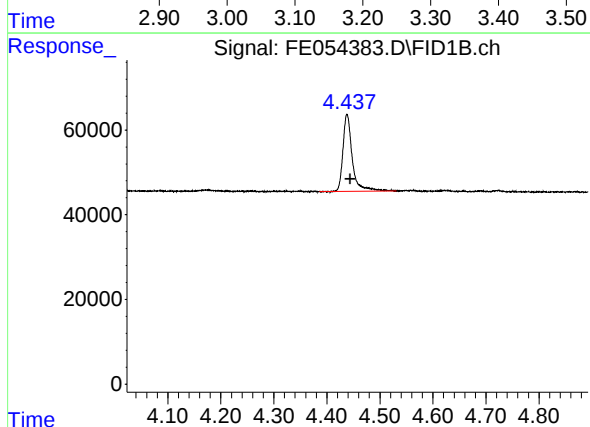
#1 n-Nonane (C9)

R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 185556
Conc: 1.49 ug/ml

Instrument :
FID_E
ClientSampleId :
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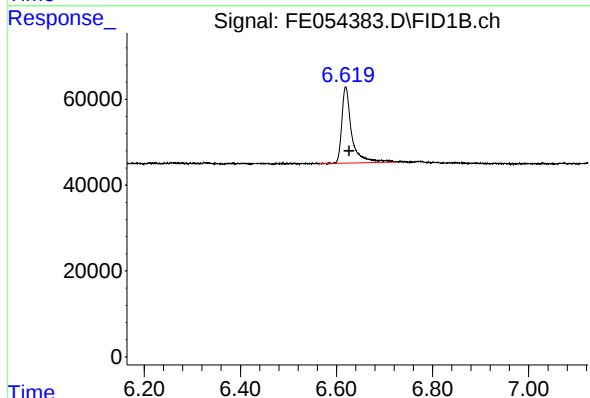
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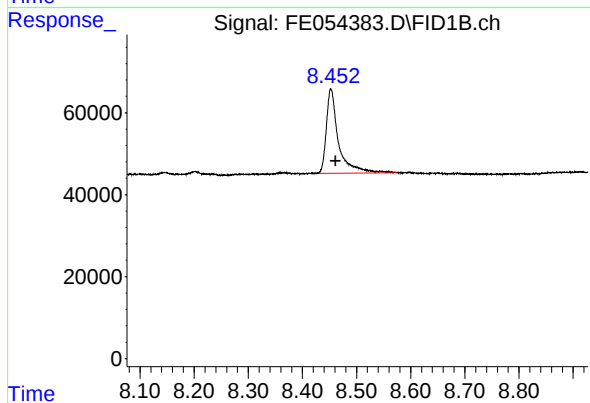
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 221940
Conc: 1.79 ug/ml



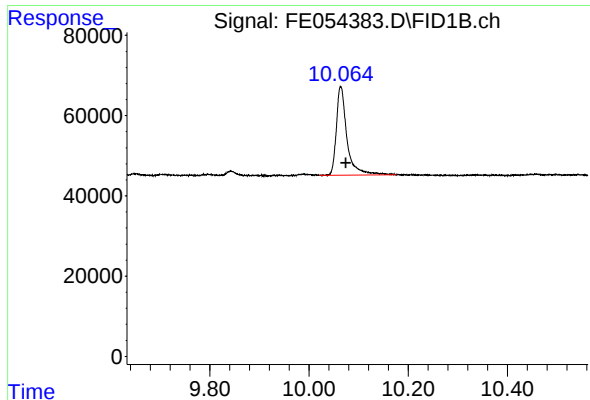
#4 n-Dodecane (C12)

R.T.: 6.619 min
Delta R.T.: -0.007 min
Response: 251602
Conc: 1.98 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 321754
Conc: 2.49 ug/ml m



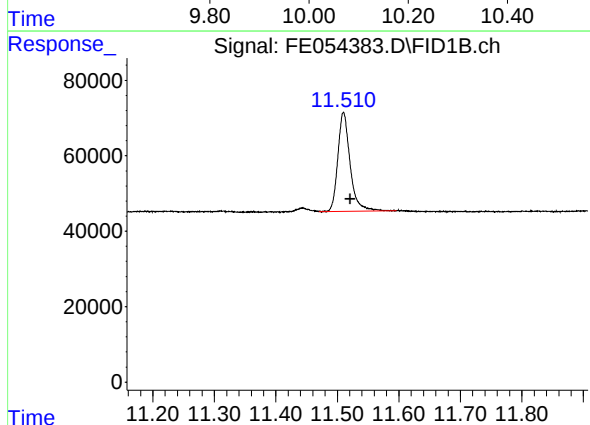
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 327147
Conc: 2.46 ug/ml

Instrument : FID_E
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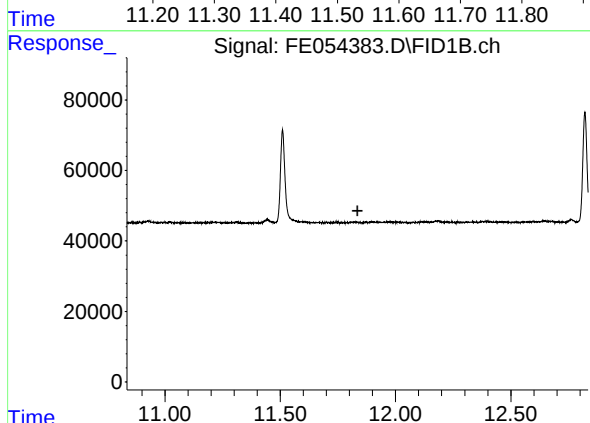
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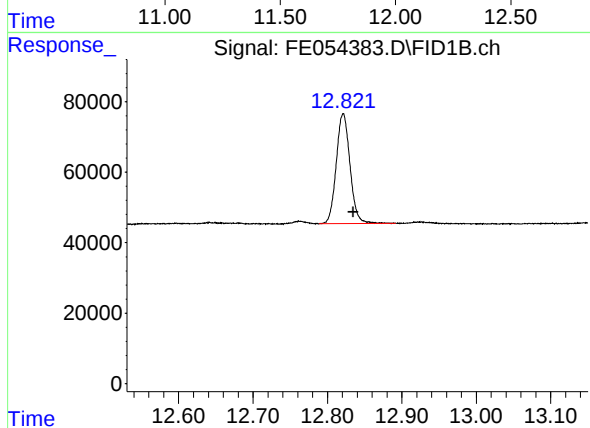
#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 363728
Conc: 2.69 ug/ml



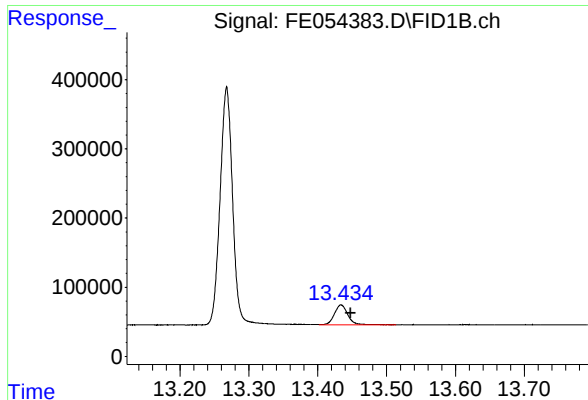
#9 ortho-Terphenyl (SURR)

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: 401551
Conc: 3.00 ug/ml



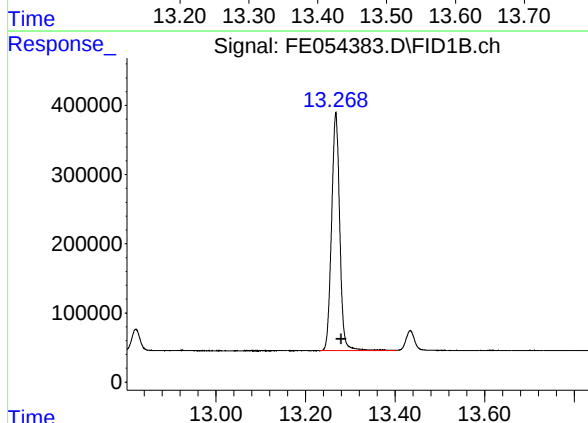
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: -0.014 min
Response: 389518
Conc: 2.93 ug/ml

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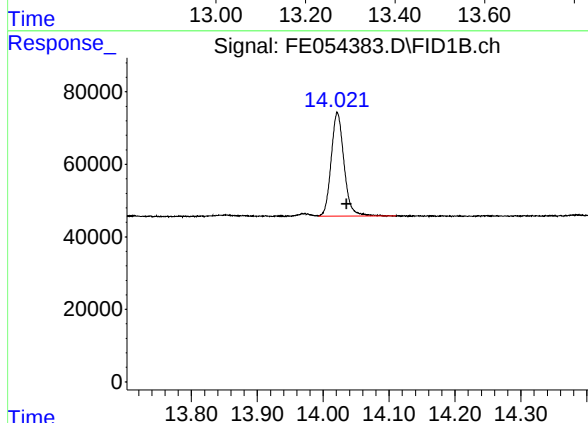
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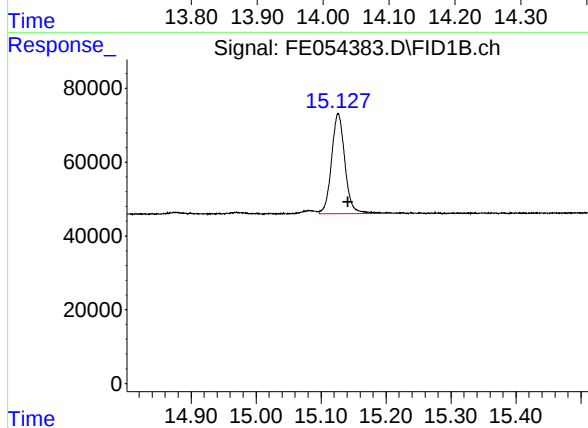
#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.012 min
Response: 4368839
Conc: 35.83 ug/ml



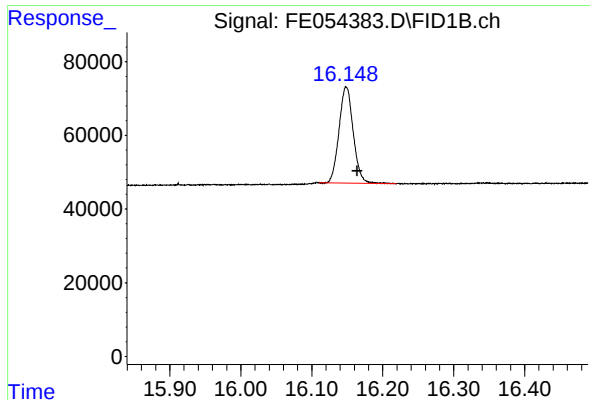
#13 n-Docosane (C22)

R.T.: 14.022 min
Delta R.T.: -0.014 min
Response: 387731
Conc: 2.96 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.015 min
Response: 386728
Conc: 3.00 ug/ml



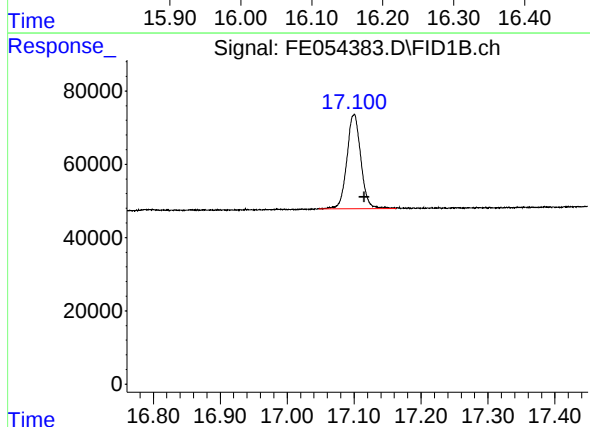
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.016 min
Response: 363268
Conc: 2.89 ug/ml

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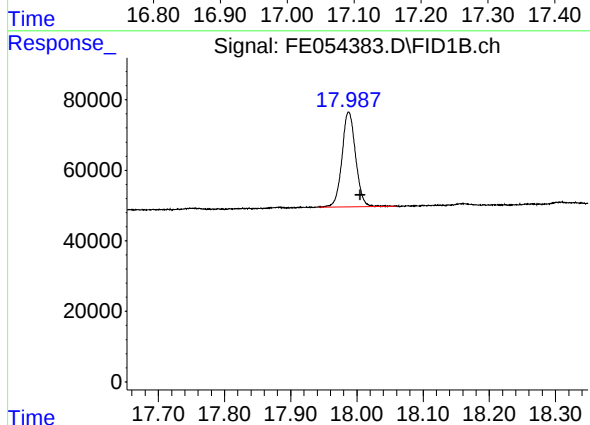
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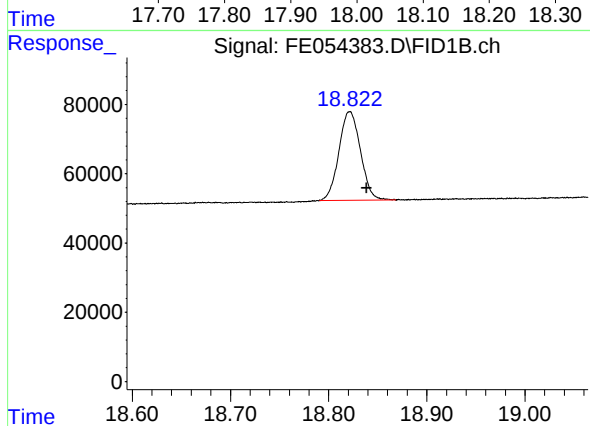
#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.015 min
Response: 375019
Conc: 3.06 ug/ml m



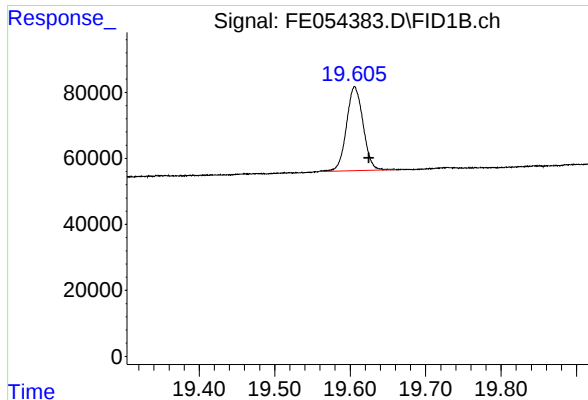
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.018 min
Response: 385814
Conc: 3.11 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.821 min
Delta R.T.: -0.017 min
Response: 391997
Conc: 3.12 ug/ml



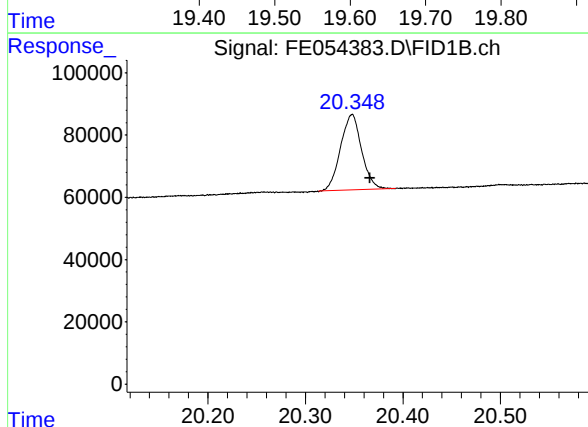
#19 n-Tetratriacontane (C34)

R.T.: 19.605 min
Delta R.T.: -0.020 min
Response: 387066
Conc: 3.11 ug/ml

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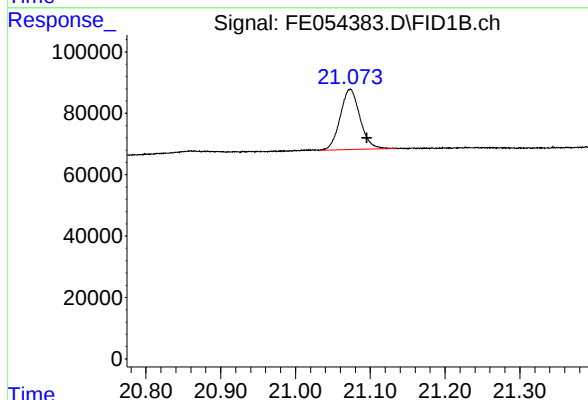
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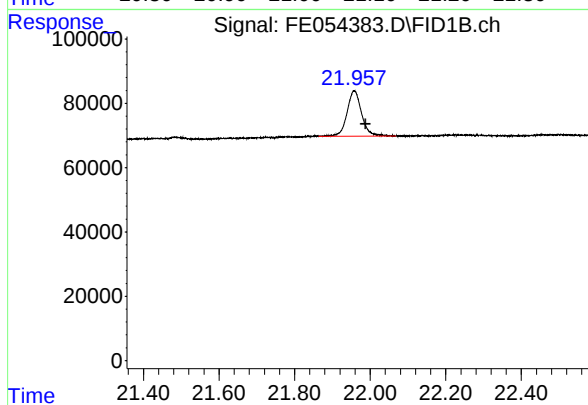
#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 361820
Conc: 2.81 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.023 min
Response: 361169
Conc: 2.74 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.957 min
Delta R.T.: -0.031 min
Response: 375433
Conc: 2.79 ug/ml m