

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050123AL\
 Data File : FE041660.D
 Signal(s) : FID1B.ch
 Acq On : 02 May 2023 07:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/02/2023
 Supervised By :Ankita Jodhani 05/02/2023

Integration File: autoint1.e
 Quant Time: May 02 07:51:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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			
9) S ortho-Terphenyl (SURR)	11.985	3642245	19.414 ug/ml
Spiked Amount 50.000		Recovery =	38.83%
12) S 1-chlorooctadecane (S...	13.421	2706001	19.155 ug/ml
Spiked Amount 50.000		Recovery =	38.31%
Target Compounds			
1) T n-Nonane (C9)	3.356	2910499	19.800 ug/ml
2) T n-Decane (C10)	4.610	3016469	20.113 ug/ml
3) T A~Naphthalene (C11.7)	6.319	3334538	20.150 ug/ml
4) T n-Dodecane (C12)	6.780	3059522	20.123 ug/ml
5) T A~2-methylnaphthalene...	7.417	3254624	20.184 ug/ml
6) T n-Tetradecane (C14)	8.611	3064679	20.175 ug/ml
7) T n-Hexadecane (C16)	10.220	3190538	19.993 ug/ml
8) T n-Octadecane (C18)	11.665	3234094	19.731 ug/ml
10) T n-Eicosane (C20)	12.976	3108035	19.323 ug/ml
11) T n-Heneicosane (C21)	13.589	3049962	19.138 ug/ml
13) T n-Docosane (C22)	14.175	3030813	19.022 ug/ml
14) T n-Tetracosane (C24)	15.279	3016495	18.710 ug/ml
15) T n-Hexacosane (C26)	16.301	2902285	18.358 ug/ml
16) T n-Octacosane (C28)	17.252	2827223	18.374 ug/ml
17) T n-Tricontane (C30)	18.141	2876797	18.889 ug/ml
18) T n-Dotriacontane (C32)	18.974	2832824	19.015 ug/ml
19) T n-Tetratriacontane (C34)	19.759	2704459	19.197 ug/ml
20) T n-Hexatriacontane (C36)	20.499	2648643	19.806 ug/mlm
21) T n-Octatriacontane (C38)	21.257	2726661	20.635 ug/mlm
22) T n-Tetracontane (C40)	22.202	2846659	22.483 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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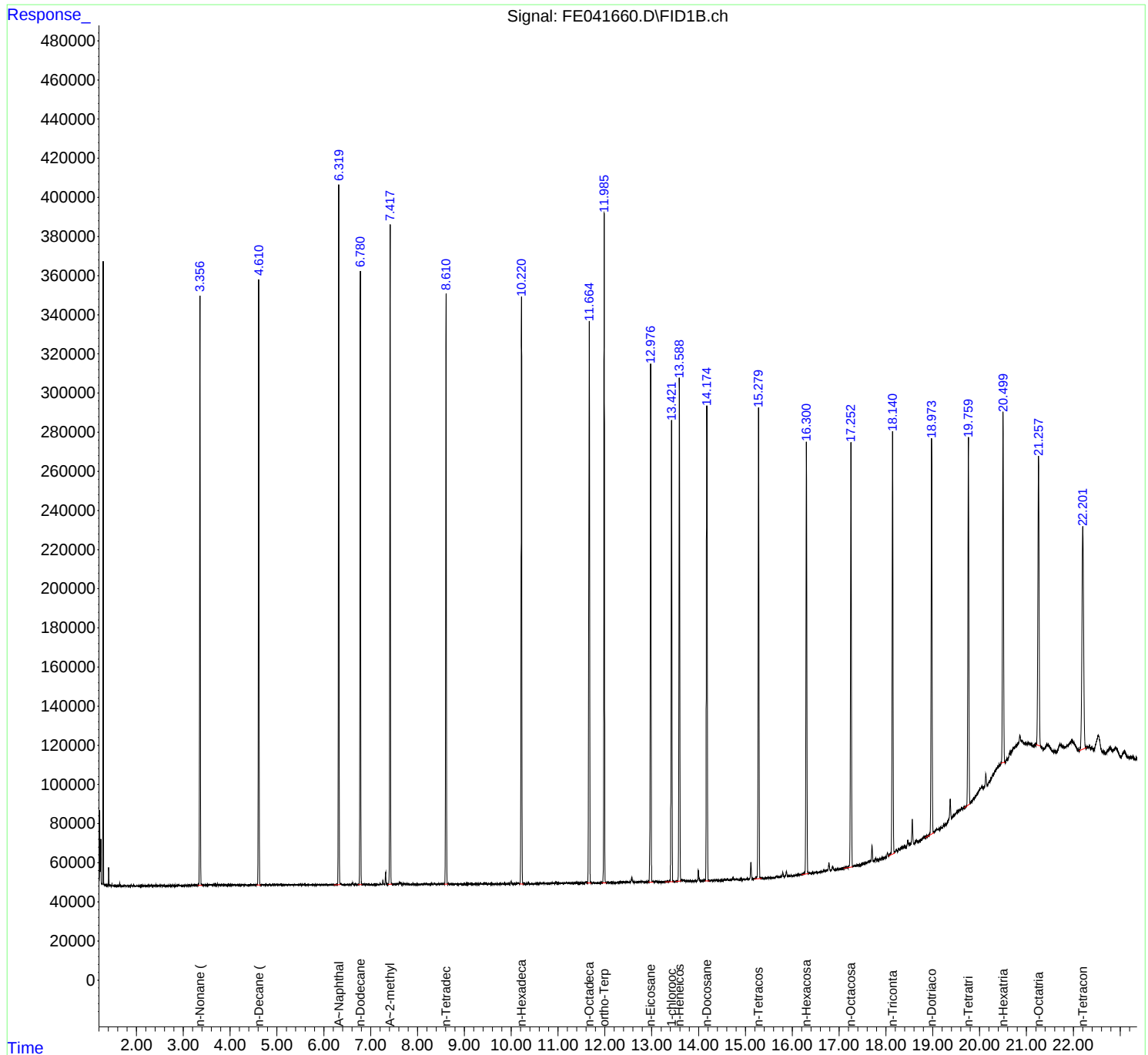
Instrument :
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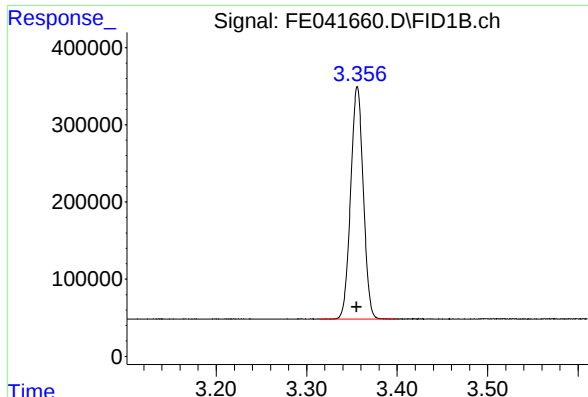
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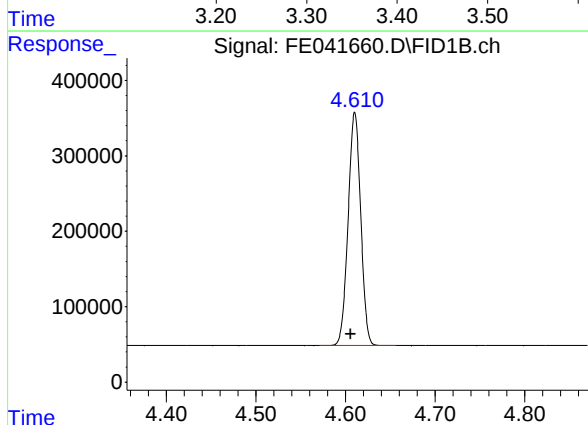
#1 n-Nonane (C9)

R.T.: 3.356 min
Delta R.T.: 0.001 min
Response: 2910499
Conc: 19.80 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

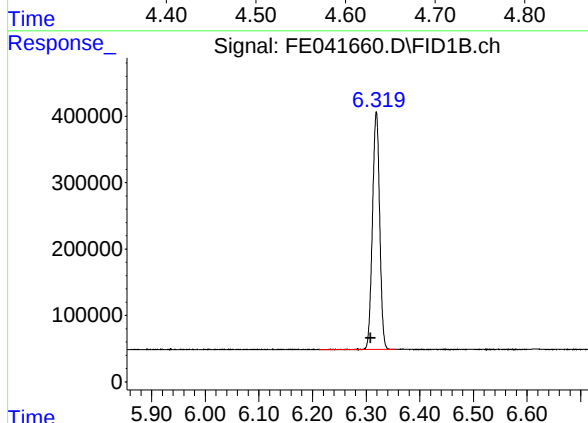
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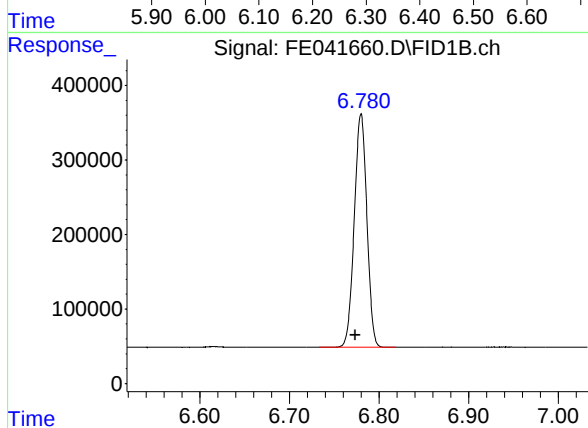
#2 n-Decane (C10)

R.T.: 4.610 min
Delta R.T.: 0.005 min
Response: 3016469
Conc: 20.11 ug/ml



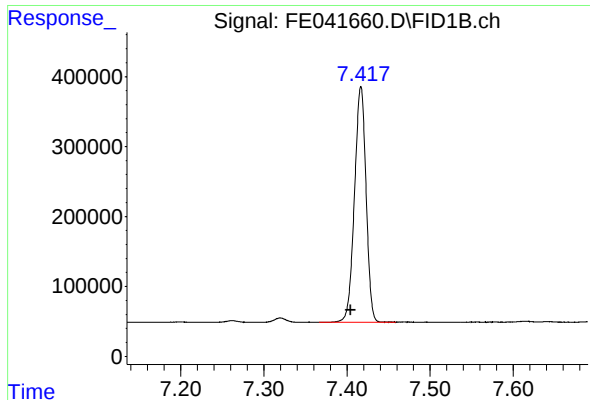
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min
Delta R.T.: 0.011 min
Response: 3334538
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.780 min
Delta R.T.: 0.007 min
Response: 3059522
Conc: 20.12 ug/ml



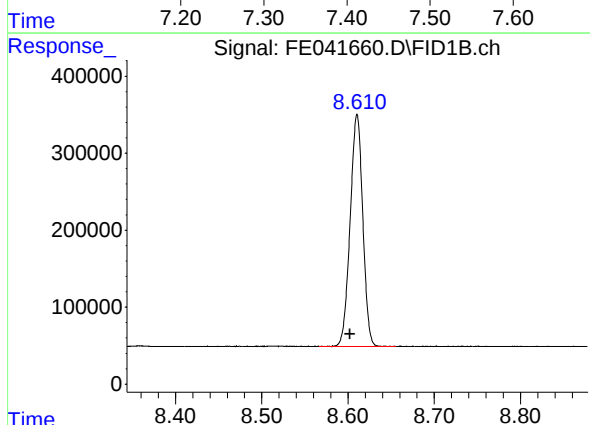
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.417 min
Delta R.T.: 0.012 min
Response: 3254624
Conc: 20.18 ug/ml

Instrument : FID_E
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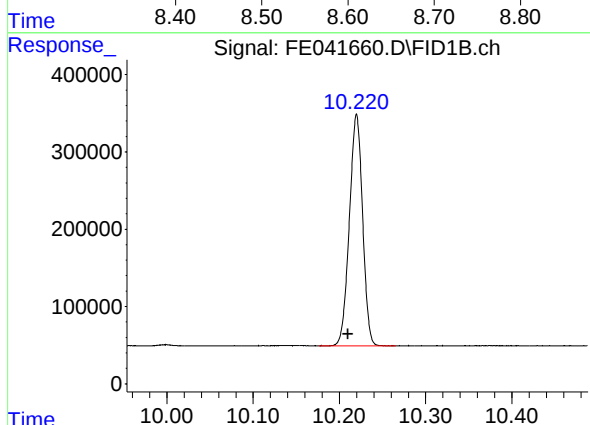
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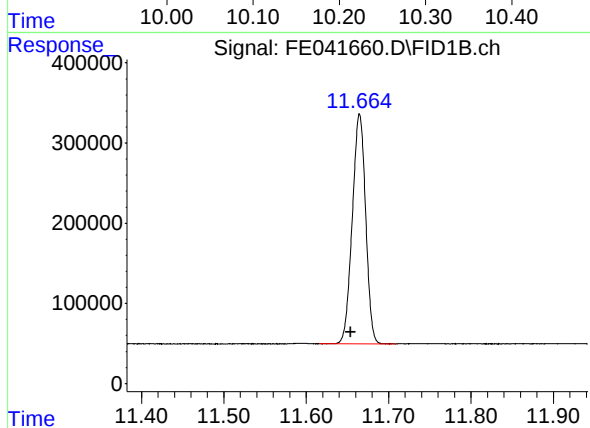
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.008 min
Response: 3064679
Conc: 20.18 ug/ml



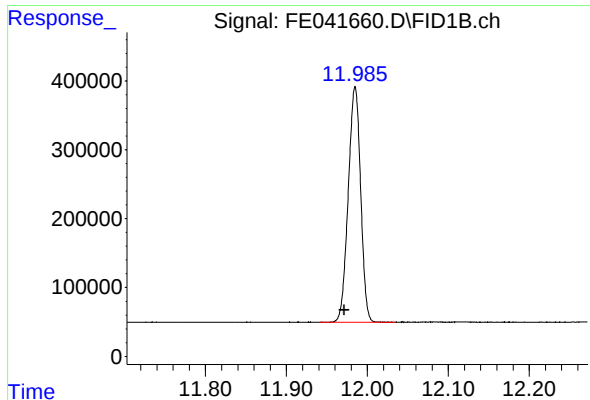
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: 0.010 min
Response: 3190538
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.665 min
Delta R.T.: 0.011 min
Response: 3234094
Conc: 19.73 ug/ml



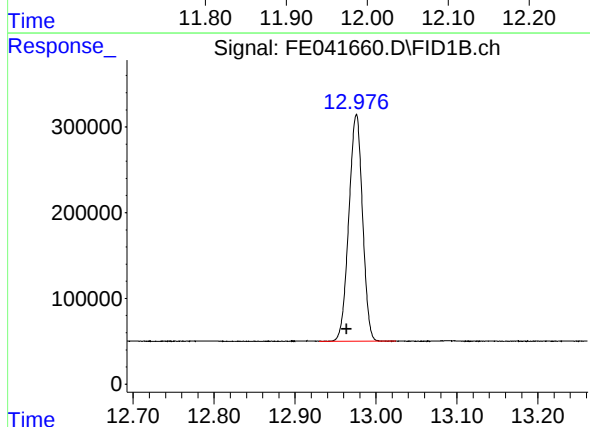
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: 0.013 min
Response: 3642245
Conc: 19.41 ug/ml

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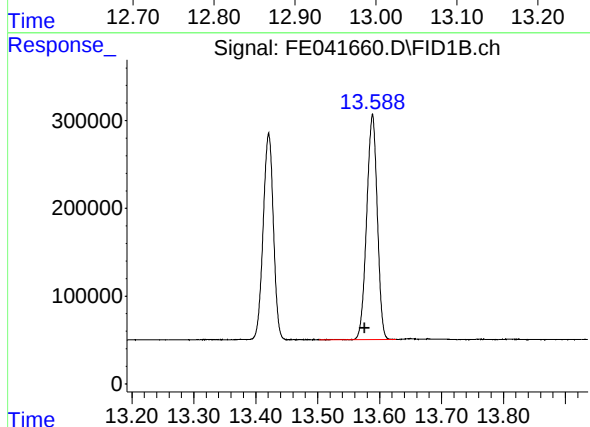
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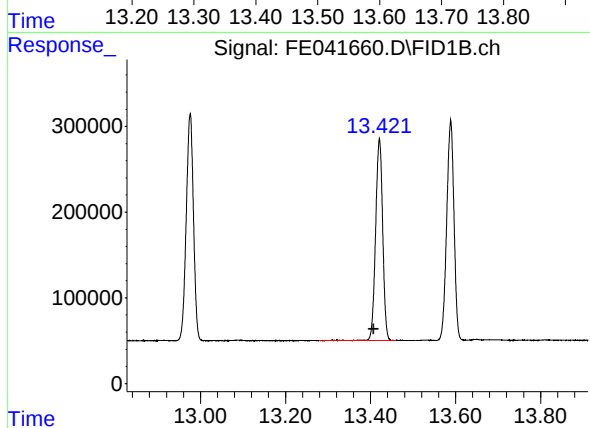
#10 n-Eicosane (C20)

R.T.: 12.976 min
Delta R.T.: 0.012 min
Response: 3108035
Conc: 19.32 ug/ml



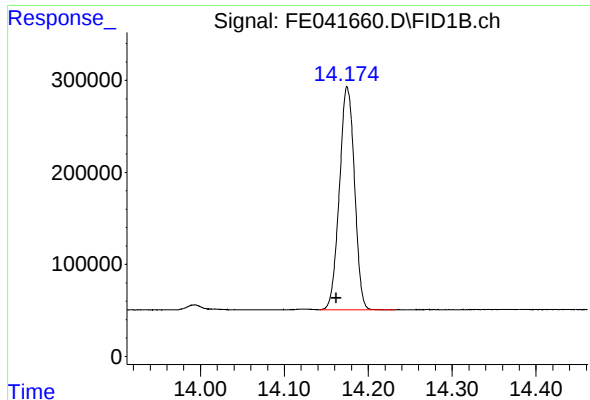
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: 0.013 min
Response: 3049962
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.421 min
Delta R.T.: 0.014 min
Response: 2706001
Conc: 19.15 ug/ml



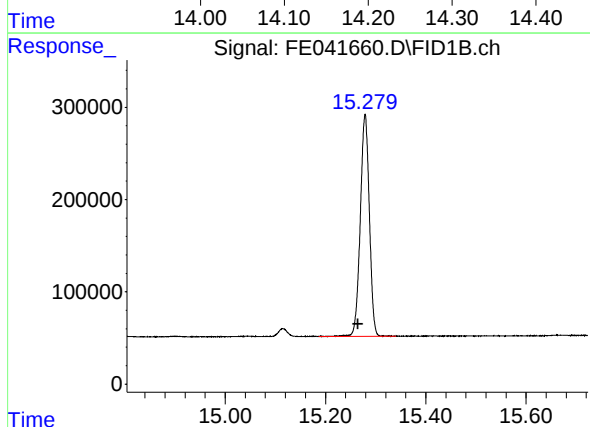
#13 n-Docosane (C22)

R.T.: 14.175 min
Delta R.T.: 0.013 min
Response: 3030813
Conc: 19.02 ug/ml

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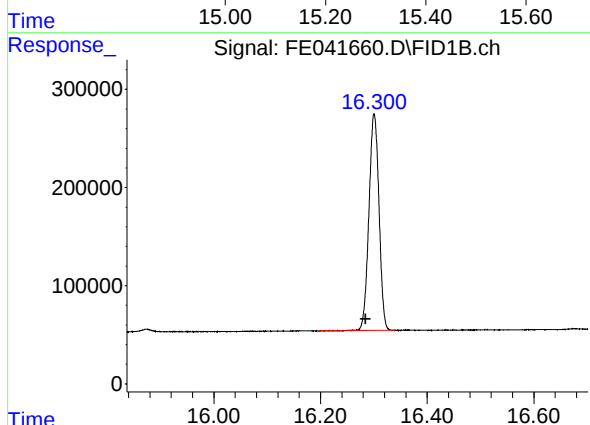
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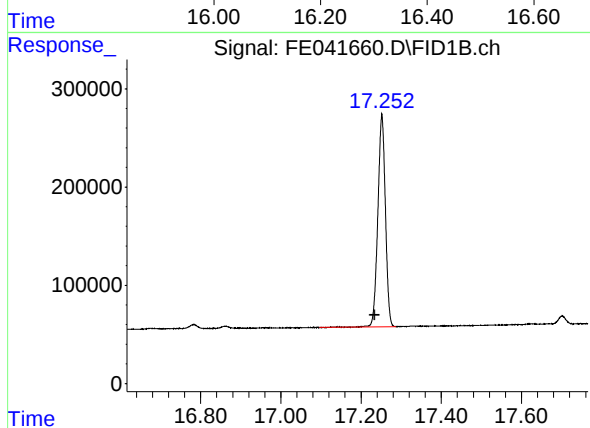
#14 n-Tetracosane (C24)

R.T.: 15.279 min
Delta R.T.: 0.014 min
Response: 3016495
Conc: 18.71 ug/ml



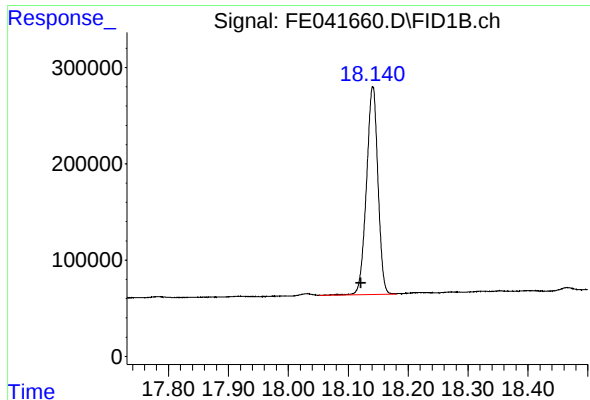
#15 n-Hexacosane (C26)

R.T.: 16.301 min
Delta R.T.: 0.016 min
Response: 2902285
Conc: 18.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.252 min
Delta R.T.: 0.018 min
Response: 2827223
Conc: 18.37 ug/ml



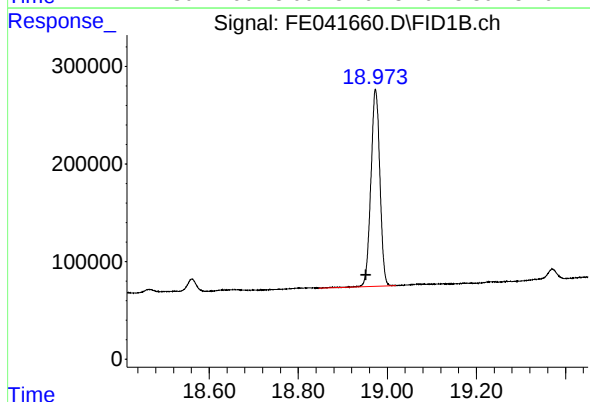
#17 n-Tricontane (C30)

R.T.: 18.141 min
Delta R.T.: 0.020 min
Response: 2876797
Conc: 18.89 ug/ml

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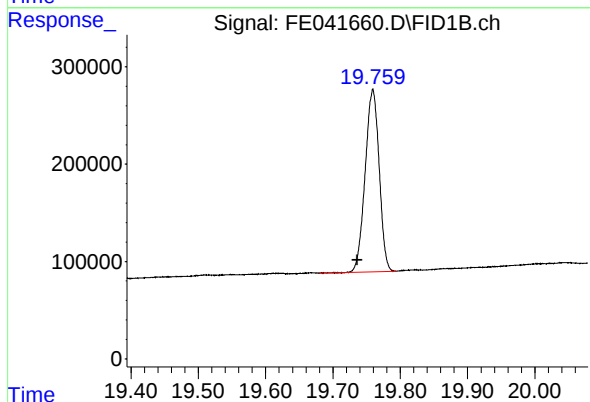
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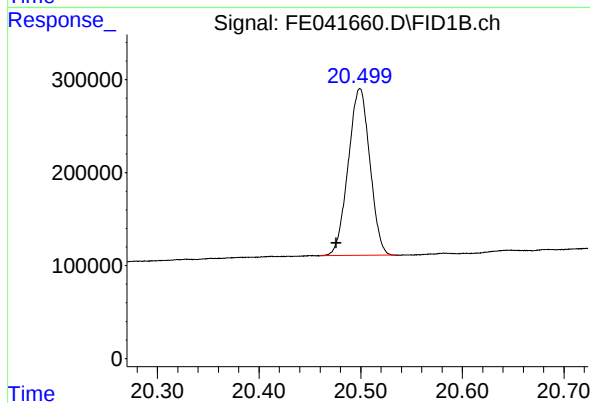
#18 n-Dotriacontane (C32)

R.T.: 18.974 min
Delta R.T.: 0.021 min
Response: 2832824
Conc: 19.01 ug/ml



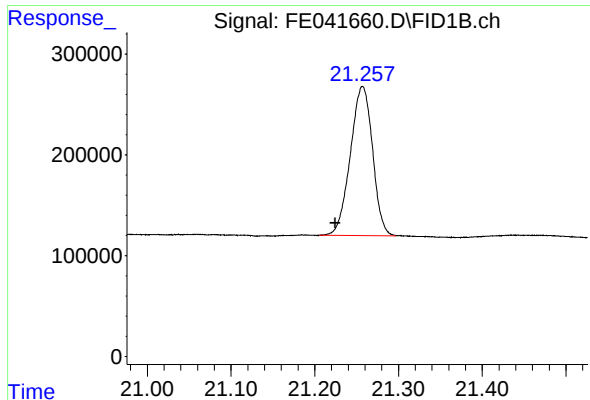
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: 0.023 min
Response: 2704459
Conc: 19.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.499 min
Delta R.T.: 0.023 min
Response: 2648643
Conc: 19.81 ug/ml m



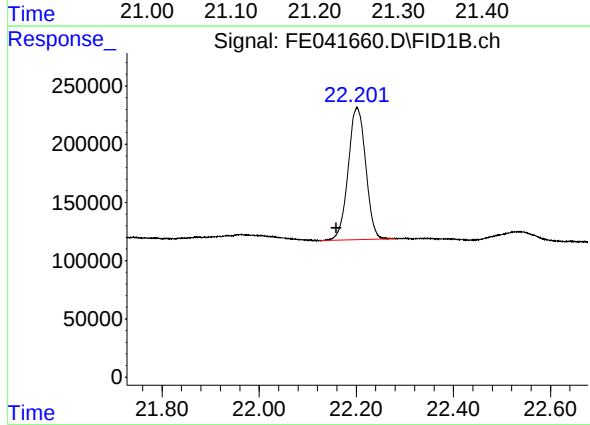
#21 n-Octatriacontane (C38)

R.T.: 21.257 min
Delta R.T.: 0.032 min
Response: 2726661
Conc: 20.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.202 min
Delta R.T.: 0.043 min
Response: 2846659
Conc: 22.48 ug/ml