

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091824AL\
 Data File : FE050165.D
 Signal(s) : FID1B.ch
 Acq On : 18 Sep 2024 07:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :Ankita Jodhani 09/19/2024

Integration File: autoint1.e
 Quant Time: Sep 19 01:27:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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)	11.875	2907165	19.540 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
12) S 1-chlorooctadecane (S...	13.310	2196627	19.556 ug/ml
Spiked Amount 50.000		Recovery =	39.11%
Target Compounds			
1) T n-Nonane (C9)	3.263	2602596	19.201 ug/mlm
2) T n-Decane (C10)	4.514	2676952	19.397 ug/ml
3) T A~Naphthalene (C11.7)	6.223	2745915	19.618 ug/ml
4) T n-Dodecane (C12)	6.681	2681873	19.394 ug/ml
5) T A~2-methylnaphthalene...	7.319	2578752	19.619 ug/ml
6) T n-Tetradecane (C14)	8.508	2647947	19.446 ug/ml
7) T n-Hexadecane (C16)	10.114	2722326	19.599 ug/ml
8) T n-Octadecane (C18)	11.557	2745581	19.597 ug/ml
10) T n-Eicosane (C20)	12.864	2627512	19.587 ug/ml
11) T n-Heneicosane (C21)	13.475	2577850	19.619 ug/ml
13) T n-Docosane (C22)	14.060	2560485	19.663 ug/ml
14) T n-Tetracosane (C24)	15.163	2579350	19.751 ug/ml
15) T n-Hexacosane (C26)	16.182	2542423	19.872 ug/ml
16) T n-Octacosane (C28)	17.131	2598865	20.176 ug/mlm
17) T n-Tricontane (C30)	18.018	2794782	20.900 ug/ml
18) T n-Dotriacontane (C32)	18.849	2852064	21.403 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2631456	21.297 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2367185	21.336 ug/mlm
21) T n-Octatriacontane (C38)	21.098	2260712	20.500 ug/ml
22) T n-Tetracontane (C40)	21.990	1977924	18.177 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

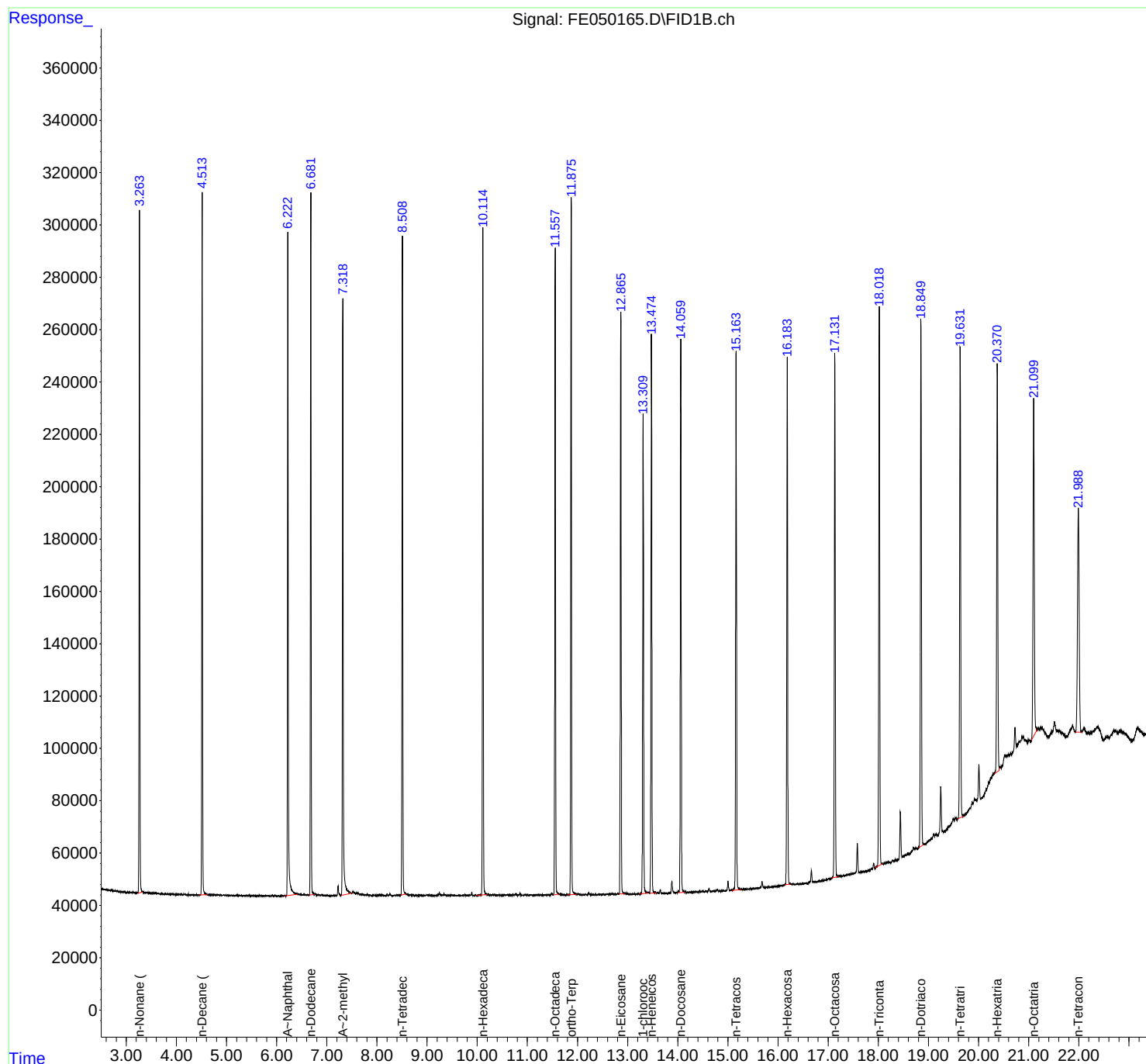
Instrument :
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20 PPM ALIPHATIC HC STD

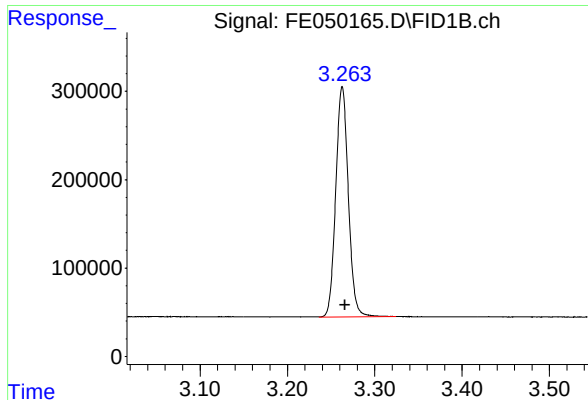
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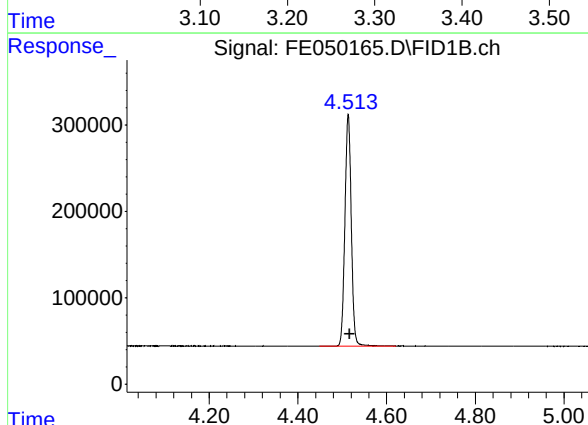
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: -0.003 min
Response: 2602596
Conc: 19.20 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

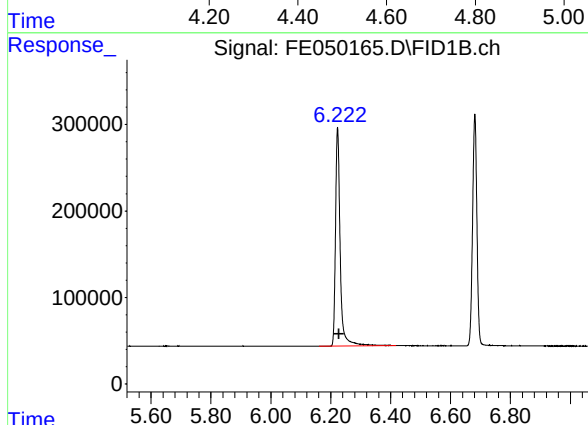
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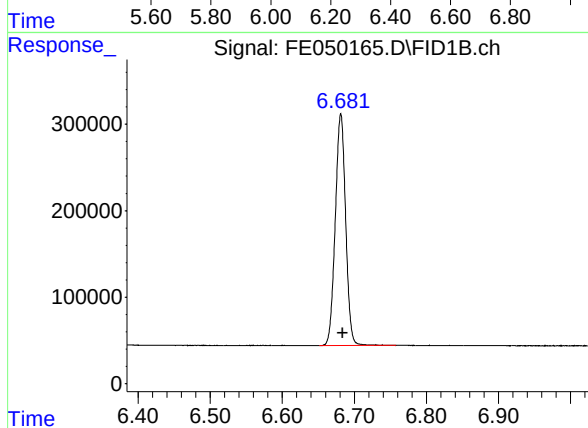
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 2676952
Conc: 19.40 ug/ml



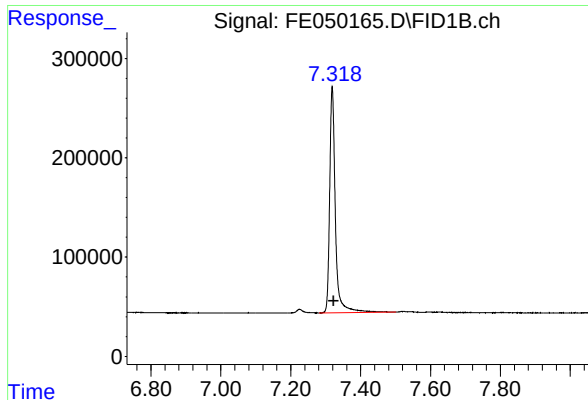
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.004 min
Response: 2745915
Conc: 19.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 2681873
Conc: 19.39 ug/ml



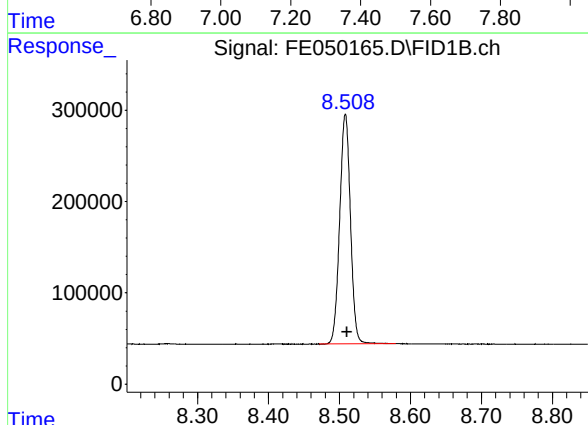
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2578752
Conc: 19.62 ug/ml

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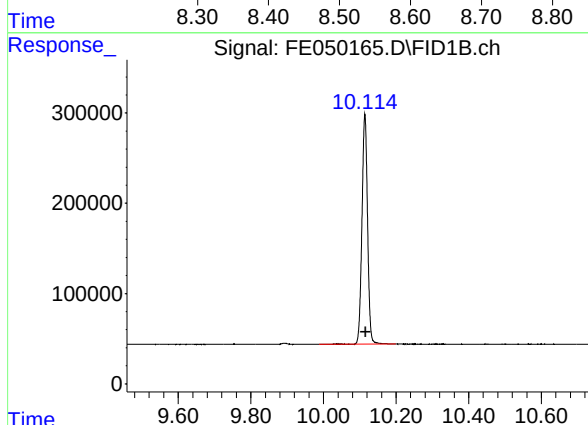
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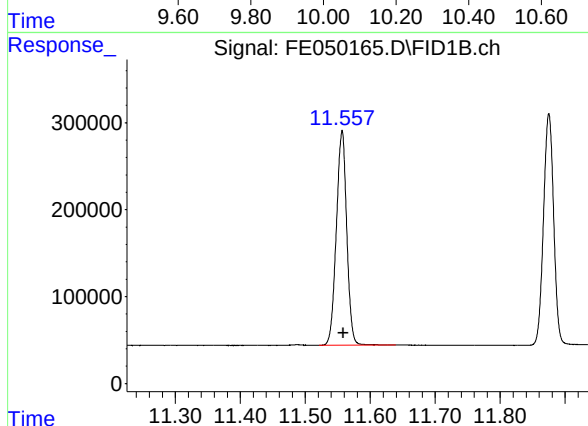
#6 n-Tetradecane (C14)

R.T.: 8.508 min
Delta R.T.: -0.002 min
Response: 2647947
Conc: 19.45 ug/ml



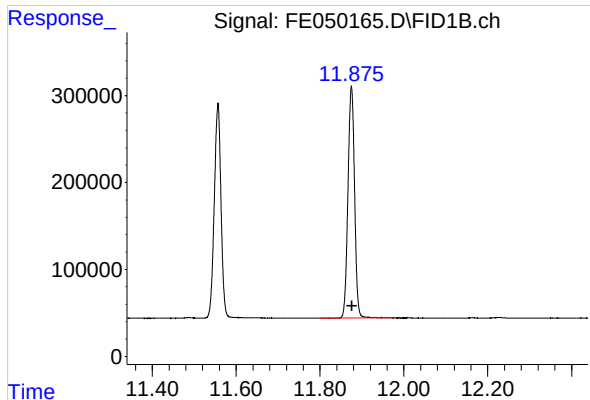
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.003 min
Response: 2722326
Conc: 19.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.002 min
Response: 2745581
Conc: 19.60 ug/ml



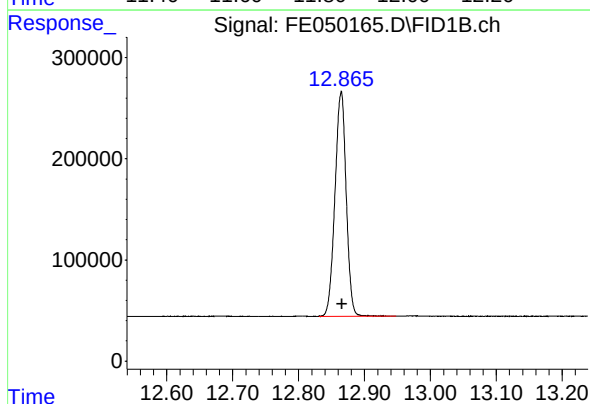
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.002 min
Response: 2907165
Conc: 19.54 ug/ml

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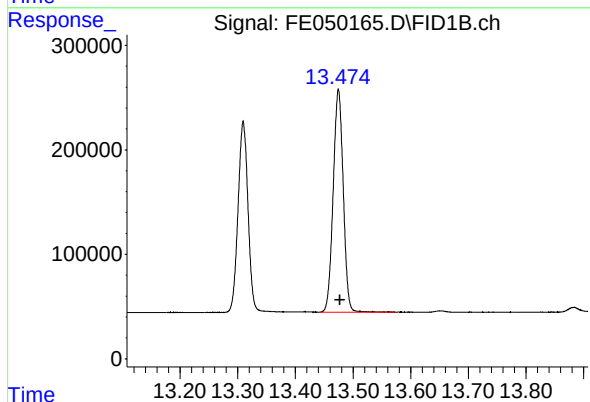
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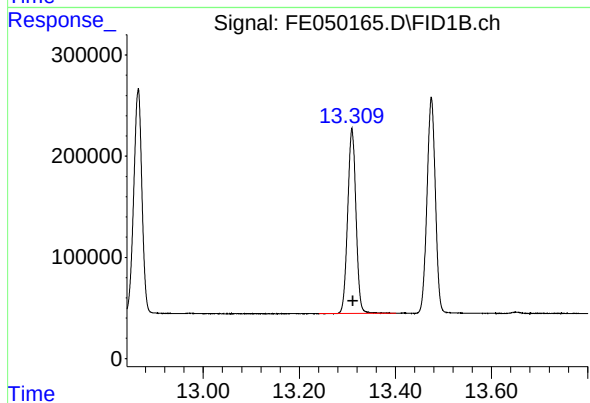
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2627512
Conc: 19.59 ug/ml



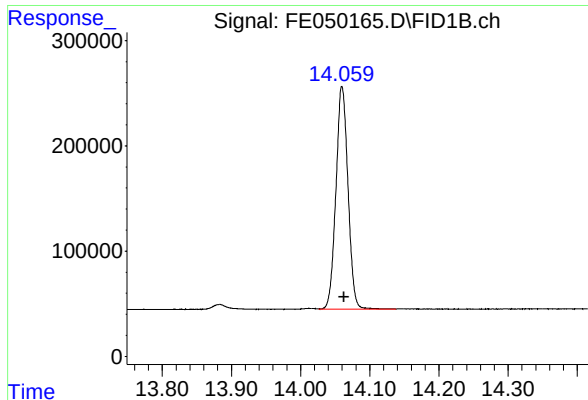
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.003 min
Response: 2577850
Conc: 19.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.002 min
Response: 2196627
Conc: 19.56 ug/ml



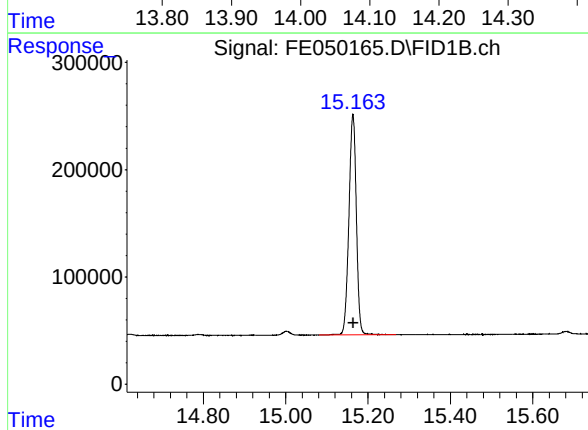
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.003 min
Response: 2560485
Conc: 19.66 ug/ml

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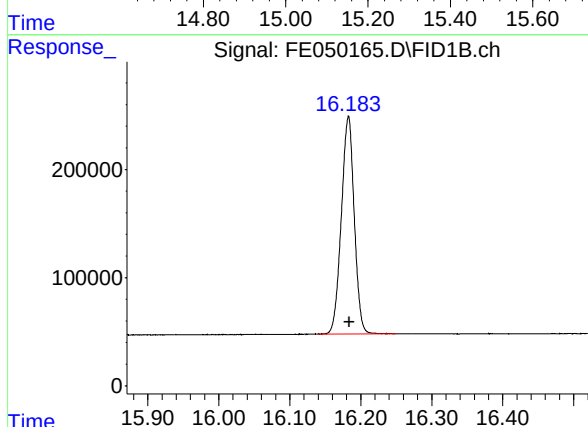
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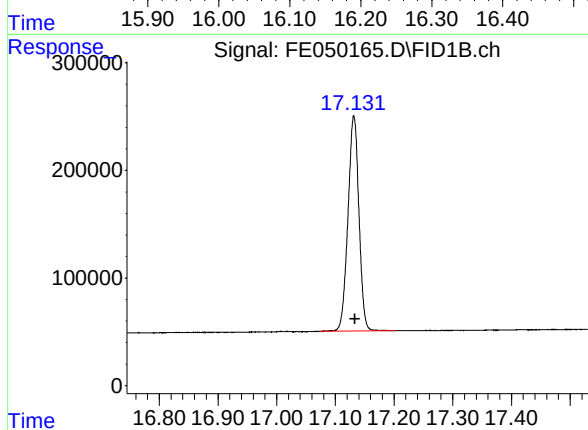
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.001 min
Response: 2579350
Conc: 19.75 ug/ml



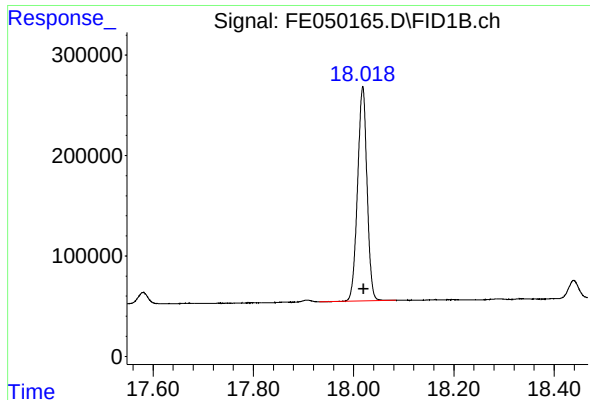
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.001 min
Response: 2542423
Conc: 19.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.002 min
Response: 2598865
Conc: 20.18 ug/ml m



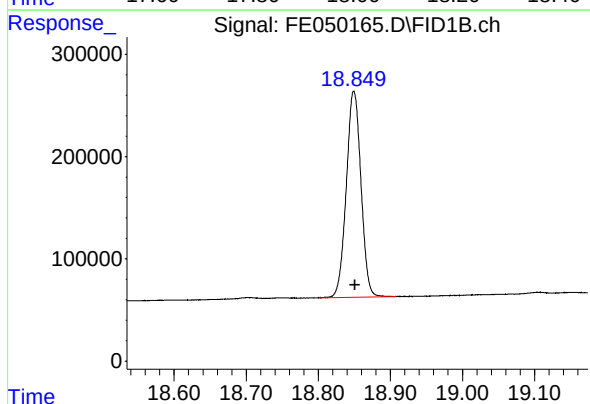
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.002 min
Response: 2794782
Conc: 20.90 ug/ml

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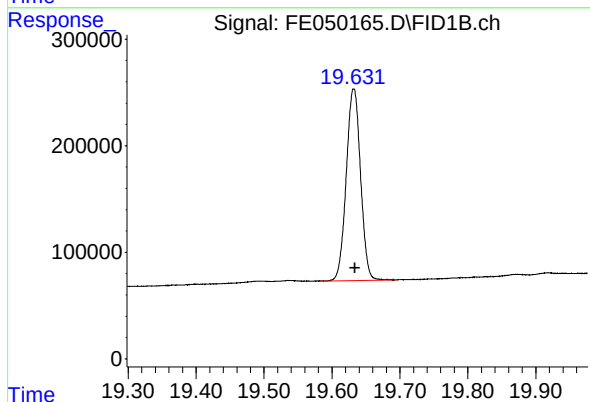
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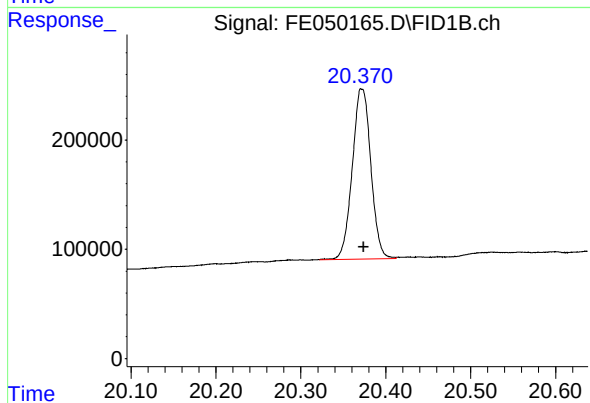
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: -0.002 min
Response: 2852064
Conc: 21.40 ug/ml



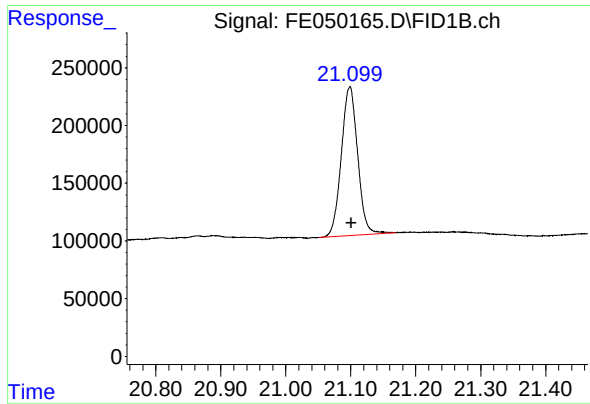
#19 n-Tetatriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.002 min
Response: 2631456
Conc: 21.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.004 min
Response: 2367185
Conc: 21.34 ug/ml m



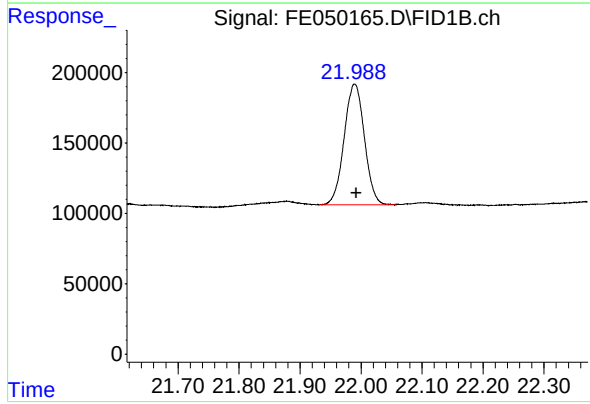
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.002 min
Response: 2260712
Conc: 20.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.990 min
Delta R.T.: -0.003 min
Response: 1977924
Conc: 18.18 ug/ml