

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101223AL\
 Data File : FE044813.D
 Signal(s) : FID1B.ch
 Acq On : 12 Oct 2023 13:10
 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 10/13/2023
 Supervised By :Ankita Jodhani 10/13/2023

Integration File: autoint1.e
 Quant Time: Oct 12 15:07:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101123.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.909	3546178	17.690 ug/ml
Spiked Amount 50.000		Recovery =	35.38%
12) S 1-chlorooctadecane (S...	13.352	2592335	17.517 ug/ml
Spiked Amount 50.000		Recovery =	35.03%
Target Compounds			
1) T n-Nonane (C9)	3.291	2937015	17.508 ug/ml
2) T n-Decane (C10)	4.543	2975300	17.466 ug/ml
3) T A~Naphthalene (C11.7)	6.244	3222790	17.409 ug/ml
4) T n-Dodecane (C12)	6.710	3002735	17.395 ug/ml
5) T A~2-methylnaphthalene...	7.341	3163282	17.536 ug/ml
6) T n-Tetradecane (C14)	8.538	2993518	17.457 ug/ml
7) T n-Hexadecane (C16)	10.148	3043543	17.405 ug/ml
8) T n-Octadecane (C18)	11.594	3045286	17.460 ug/ml
10) T n-Eicosane (C20)	12.906	2933577	17.563 ug/ml
11) T n-Heneicosane (C21)	13.519	2865846	17.581 ug/ml
13) T n-Docosane (C22)	14.107	2813113	17.587 ug/ml
14) T n-Tetracosane (C24)	15.212	2732999	17.610 ug/ml
15) T n-Hexacosane (C26)	16.236	2645275	17.619 ug/ml
16) T n-Octacosane (C28)	17.186	2582349	17.586 ug/ml
17) T n-Tricontane (C30)	18.077	2604873	17.514 ug/ml
18) T n-Dotriacontane (C32)	18.911	2787471	18.571 ug/ml
19) T n-Tetratriacontane (C34)	19.697	2619701	17.598 ug/mlm
20) T n-Hexatriacontane (C36)	20.438	2751505	17.897 ug/ml
21) T n-Octatriacontane (C38)	21.178	2695503	17.256 ug/mlm
22) T n-Tetracontane (C40)	22.101	3141581	18.798 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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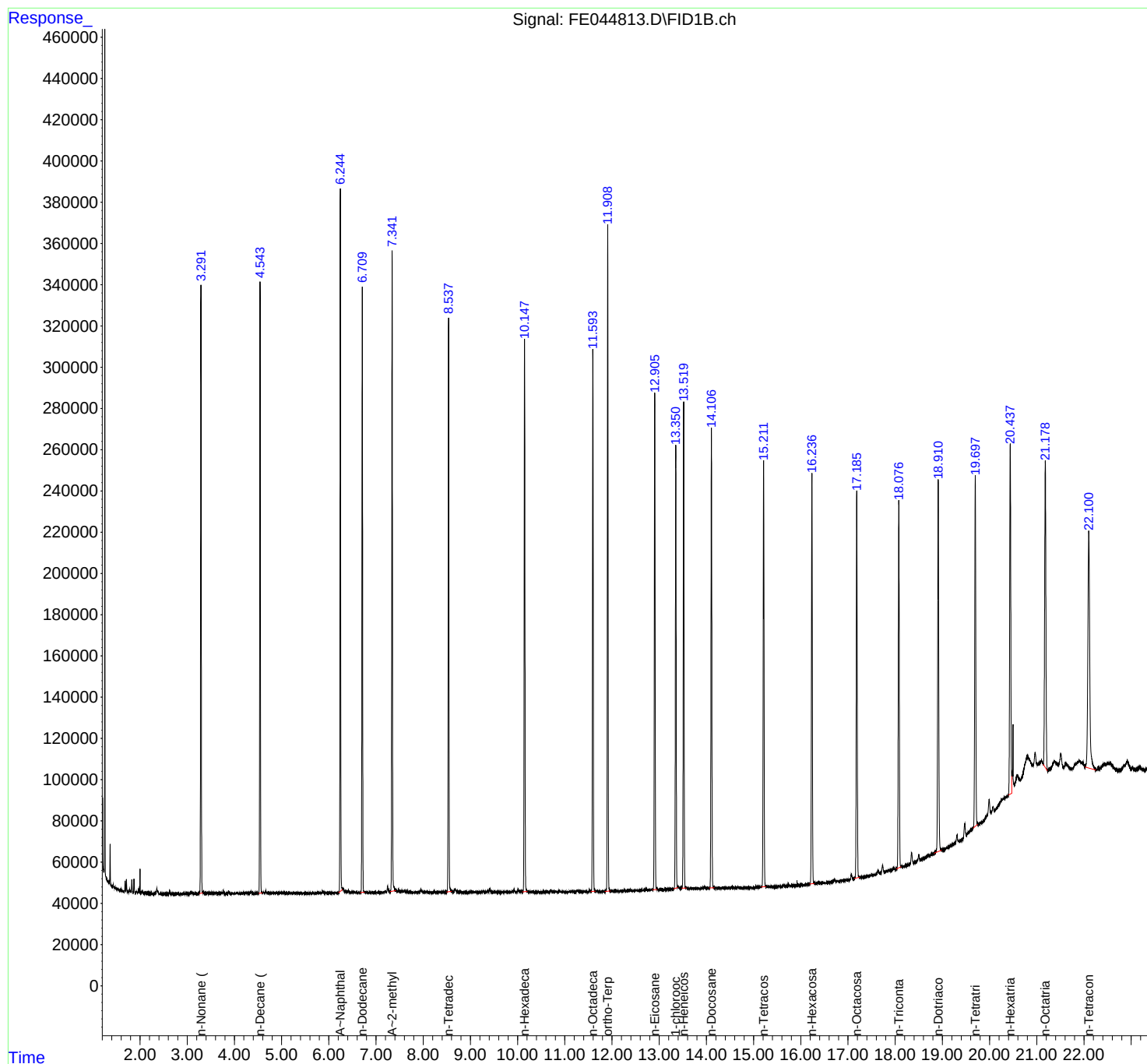
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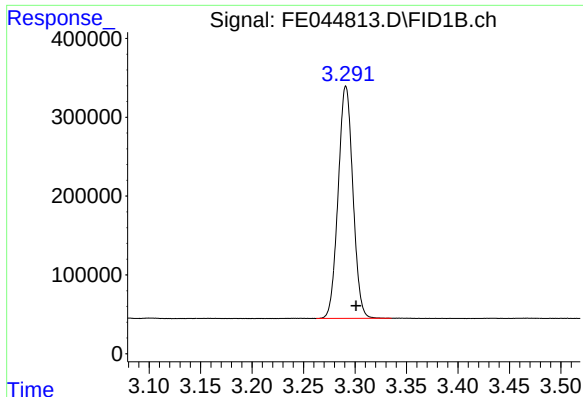
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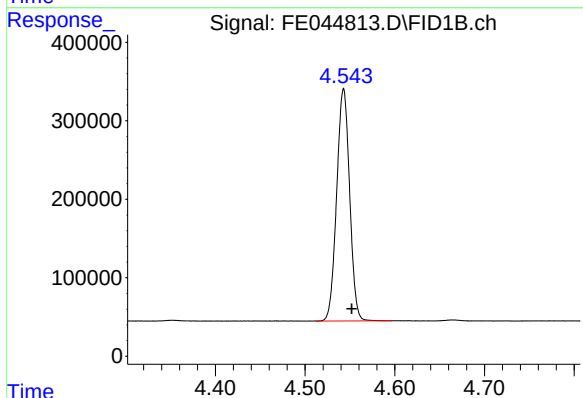
#1 n-Nonane (C9)

R.T.: 3.291 min
Delta R.T.: -0.010 min
Response: 2937015
Conc: 17.51 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

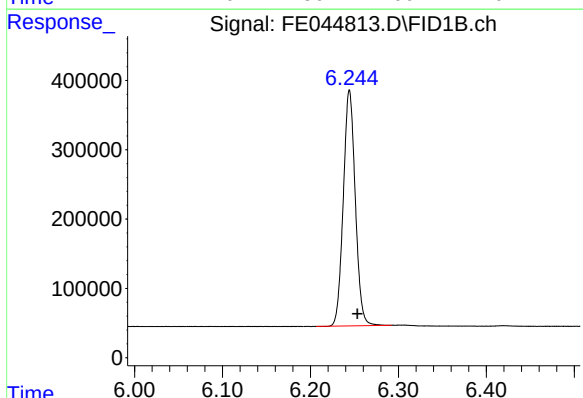
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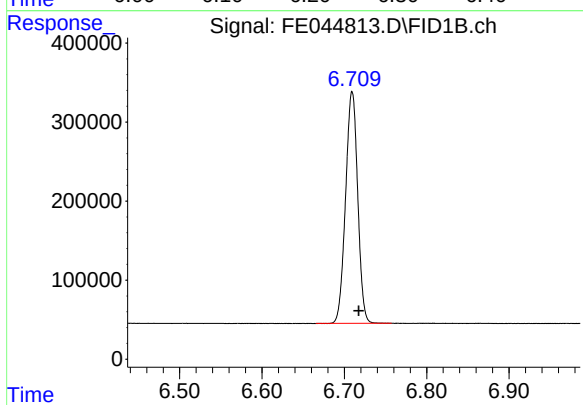
#2 n-Decane (C10)

R.T.: 4.543 min
Delta R.T.: -0.009 min
Response: 2975300
Conc: 17.47 ug/ml



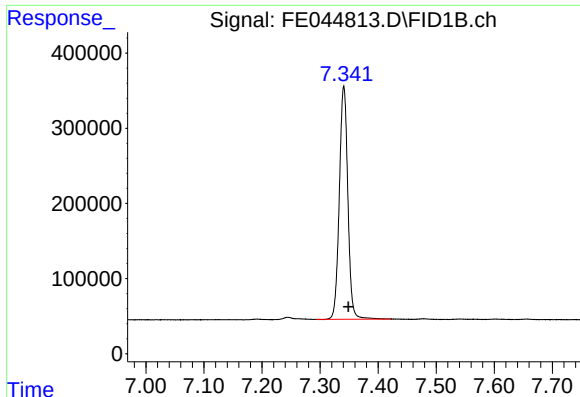
#3 A~Naphthalene (C11.7)

R.T.: 6.244 min
Delta R.T.: -0.009 min
Response: 3222790
Conc: 17.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.710 min
Delta R.T.: -0.008 min
Response: 3002735
Conc: 17.40 ug/ml



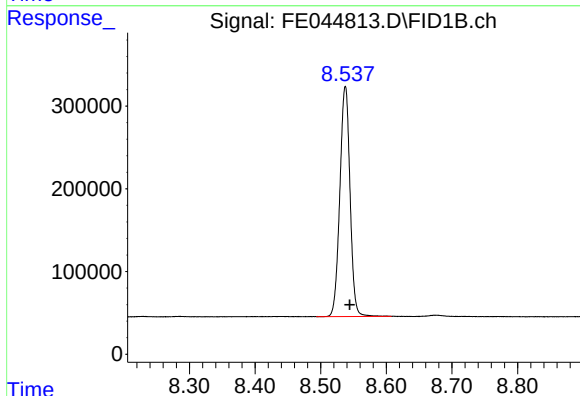
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.341 min
Delta R.T.: -0.008 min
Response: 3163282
Conc: 17.54 ug/ml

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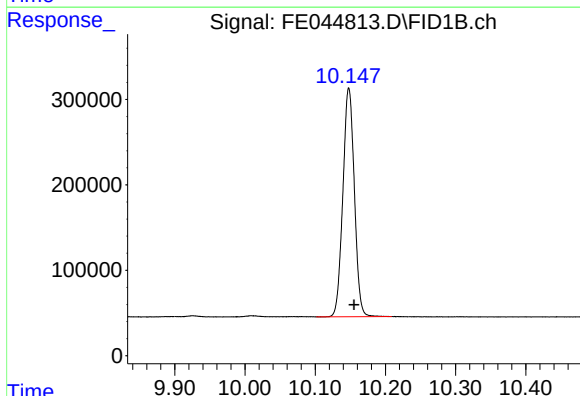
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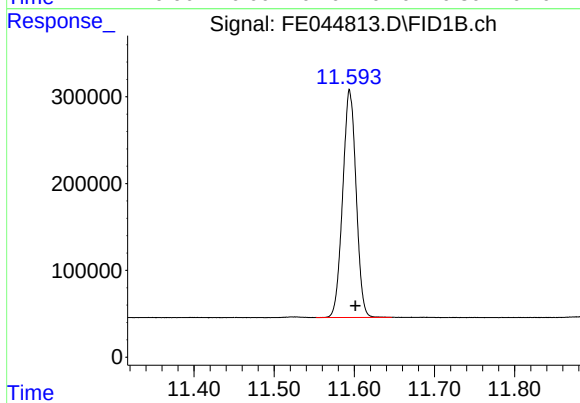
#6 n-Tetradecane (C14)

R.T.: 8.538 min
Delta R.T.: -0.007 min
Response: 2993518
Conc: 17.46 ug/ml



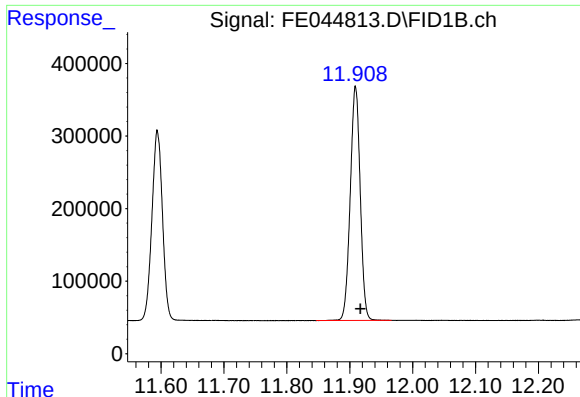
#7 n-Hexadecane (C16)

R.T.: 10.148 min
Delta R.T.: -0.007 min
Response: 3043543
Conc: 17.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.594 min
Delta R.T.: -0.007 min
Response: 3045286
Conc: 17.46 ug/ml



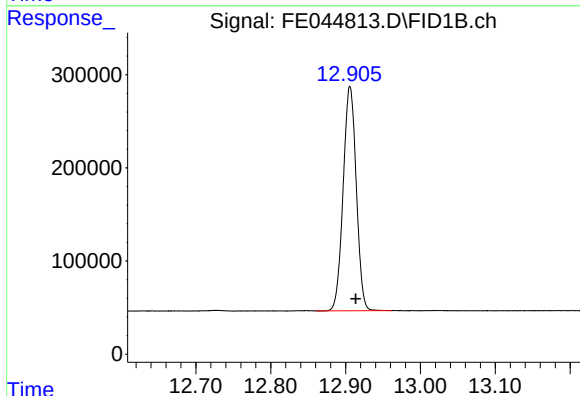
#9 ortho-Terphenyl (SURR)

R.T.: 11.909 min
Delta R.T.: -0.008 min
Response: 3546178
Conc: 17.69 ug/ml

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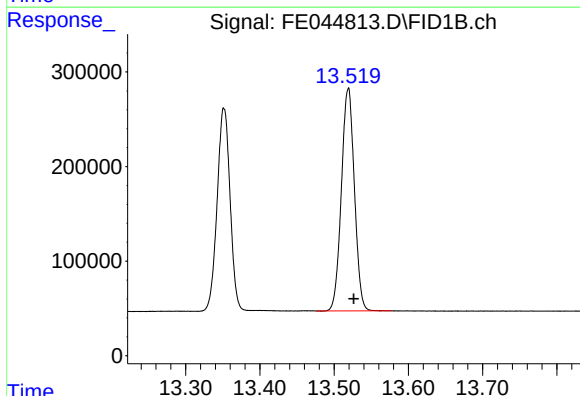
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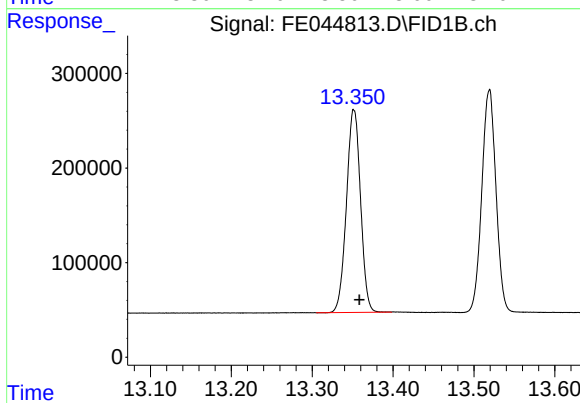
#10 n-Eicosane (C20)

R.T.: 12.906 min
Delta R.T.: -0.008 min
Response: 2933577
Conc: 17.56 ug/ml



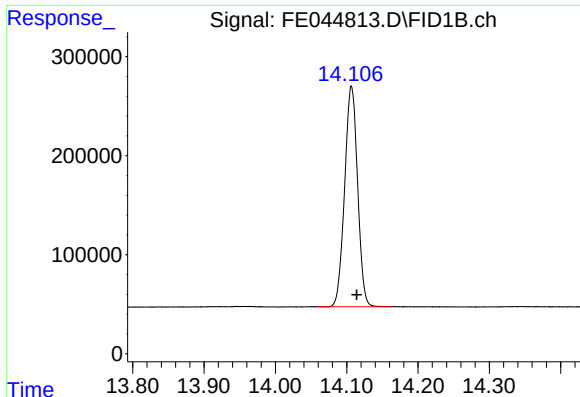
#11 n-Heneicosane (C21)

R.T.: 13.519 min
Delta R.T.: -0.007 min
Response: 2865846
Conc: 17.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.352 min
Delta R.T.: -0.007 min
Response: 2592335
Conc: 17.52 ug/ml



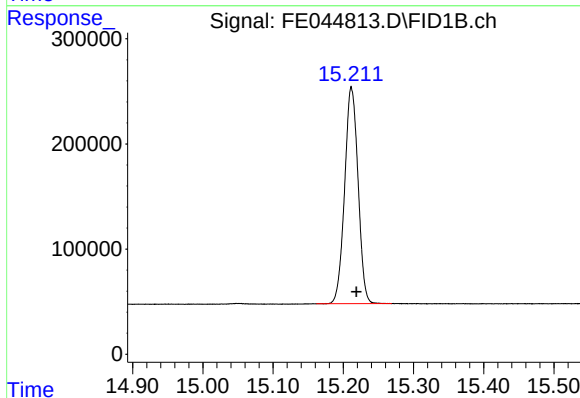
#13 n-Docosane (C22)

R.T.: 14.107 min
Delta R.T.: -0.007 min
Response: 2813113
Conc: 17.59 ug/ml

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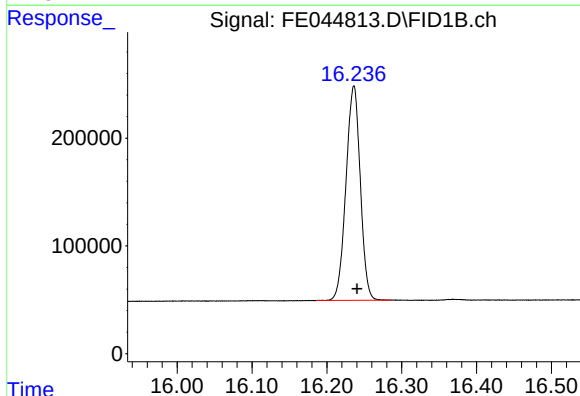
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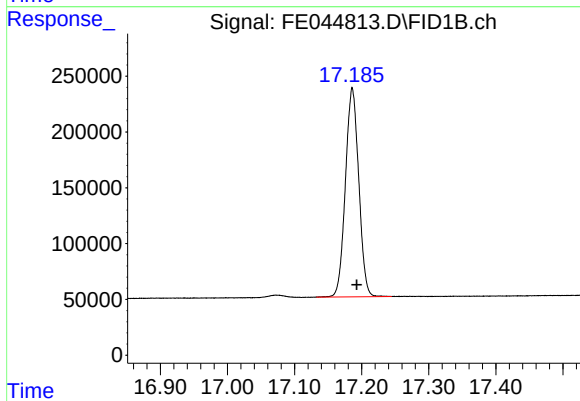
#14 n-Tetracosane (C24)

R.T.: 15.212 min
Delta R.T.: -0.007 min
Response: 2732999
Conc: 17.61 ug/ml



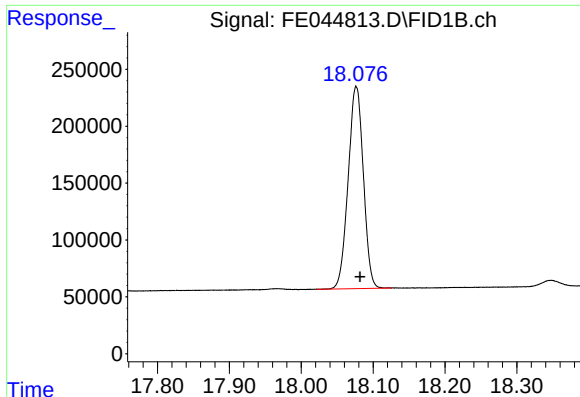
#15 n-Hexacosane (C26)

R.T.: 16.236 min
Delta R.T.: -0.004 min
Response: 2645275
Conc: 17.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.186 min
Delta R.T.: -0.006 min
Response: 2582349
Conc: 17.59 ug/ml



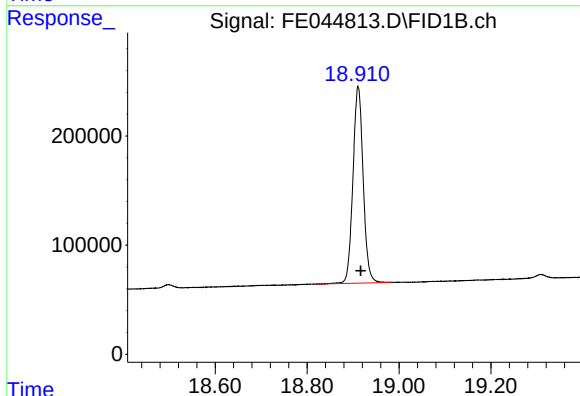
#17 n-Tricontane (C30)

R.T.: 18.077 min
Delta R.T.: -0.005 min
Response: 2604873
Conc: 17.51 ug/ml

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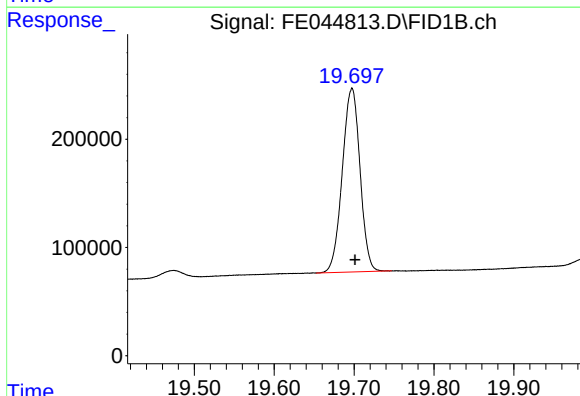
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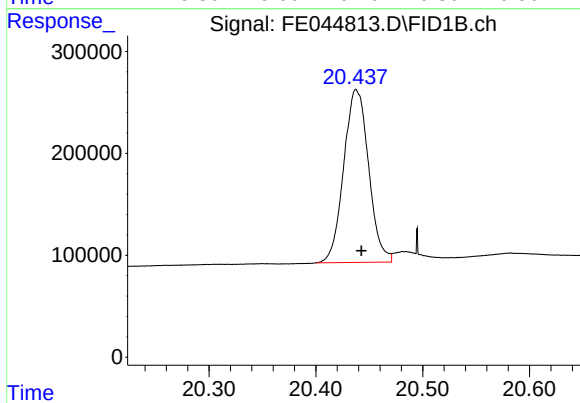
#18 n-Dotriacontane (C32)

R.T.: 18.911 min
Delta R.T.: -0.005 min
Response: 2787471
Conc: 18.57 ug/ml



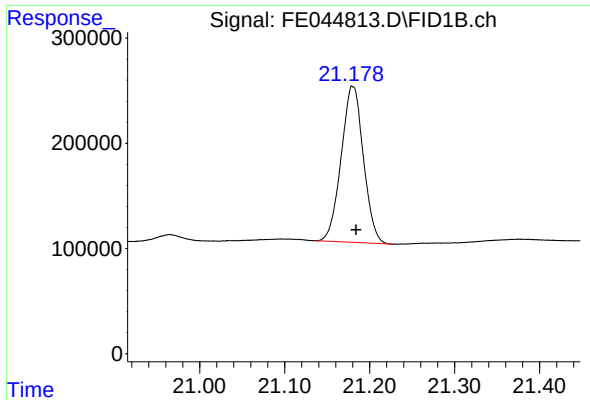
#19 n-Tetratriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.004 min
Response: 2619701
Conc: 17.60 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.438 min
Delta R.T.: -0.005 min
Response: 2751505
Conc: 17.90 ug/ml



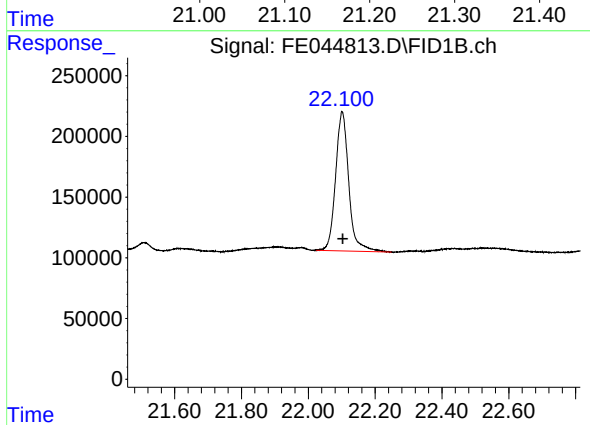
#21 n-Octatriacontane (C38)

R.T.: 21.178 min
Delta R.T.: -0.006 min
Response: 2695503
Conc: 17.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.101 min
Delta R.T.: -0.002 min
Response: 3141581
Conc: 18.80 ug/ml