

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053124AL\
 Data File : FE048497.D
 Signal(s) : FID1B.ch
 Acq On : 01 Jun 2024 04:16
 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 06/03/2024
 Supervised By :Ankita Jodhani 06/03/2024

Integration File: autoint1.e
 Quant Time: Jun 01 04:40:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.948	2696545	18.779 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
12) S 1-chlorooctadecane (S...	13.382	2061166	18.920 ug/ml
Spiked Amount 50.000		Recovery =	37.84%
Target Compounds			
1) T n-Nonane (C9)	3.336	2744887	18.360 ug/ml
2) T n-Decane (C10)	4.586	2814391	18.638 ug/ml
3) T A~Naphthalene (C11.7)	6.291	2774704	18.635 ug/ml
4) T n-Dodecane (C12)	6.751	2759487	18.642 ug/ml
5) T A~2-methylnaphthalene...	7.387	2584197	18.638 ug/ml
6) T n-Tetradecane (C14)	8.578	2641202	18.622 ug/ml
7) T n-Hexadecane (C16)	10.185	2645408	18.765 ug/ml
8) T n-Octadecane (C18)	11.628	2611466	18.803 ug/ml
10) T n-Eicosane (C20)	12.937	2502509	18.910 ug/ml
11) T n-Heneicosane (C21)	13.548	2432881	18.782 ug/ml
13) T n-Docosane (C22)	14.134	2471547	19.180 ug/ml
14) T n-Tetracosane (C24)	15.235	2573014	19.861 ug/ml
15) T n-Hexacosane (C26)	16.256	2599127	20.054 ug/ml
16) T n-Octacosane (C28)	17.204	2684247	20.767 ug/ml
17) T n-Tricontane (C30)	18.091	2861085	21.357 ug/ml
18) T n-Dotriacontane (C32)	18.922	2885993	21.261 ug/ml
19) T n-Tetratriacontane (C34)	19.705	2801265	20.477 ug/mlm
20) T n-Hexatriacontane (C36)	20.445	2668421	19.630 ug/ml
21) T n-Octatriacontane (C38)	21.181	2627726	19.269 ug/ml
22) T n-Tetracontane (C40)	22.100	2579195	18.837 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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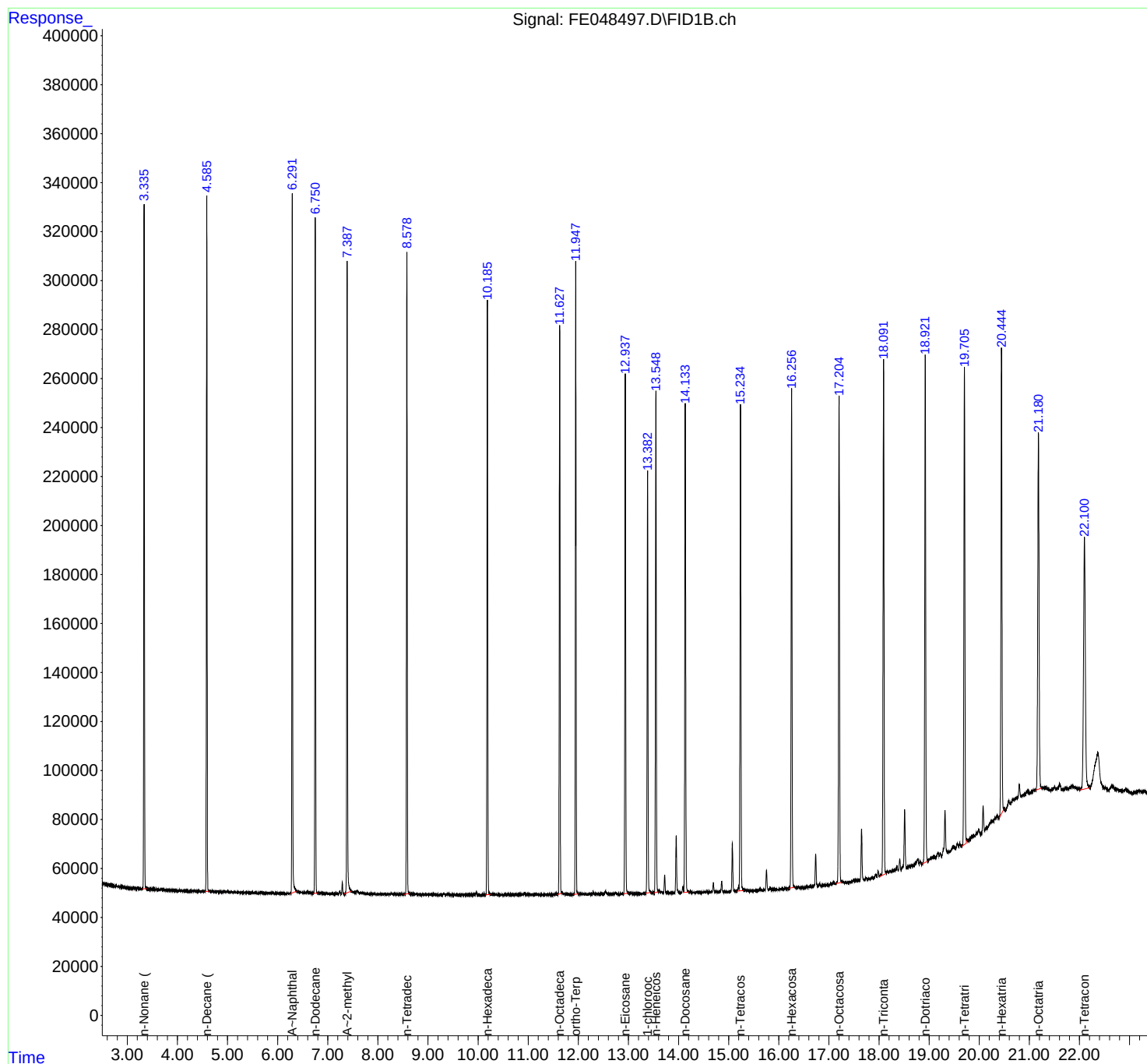
Instrument :
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20 PPM ALIPHATIC HC STD

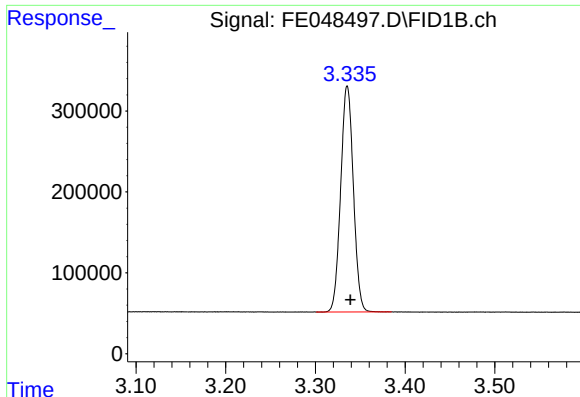
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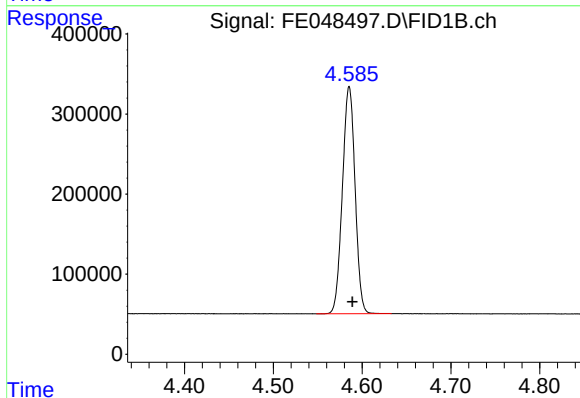
#1 n-Nonane (C9)

R.T.: 3.336 min
Delta R.T.: -0.003 min
Response: 2744887
Conc: 18.36 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

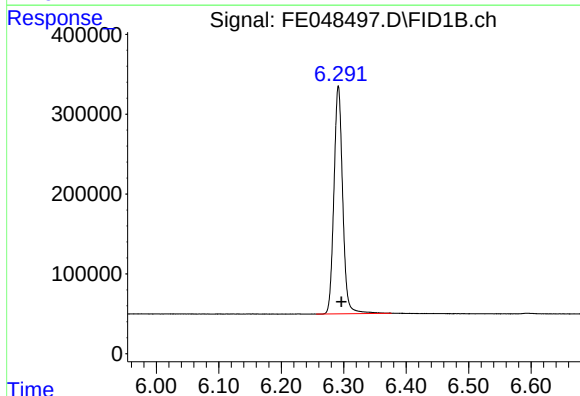
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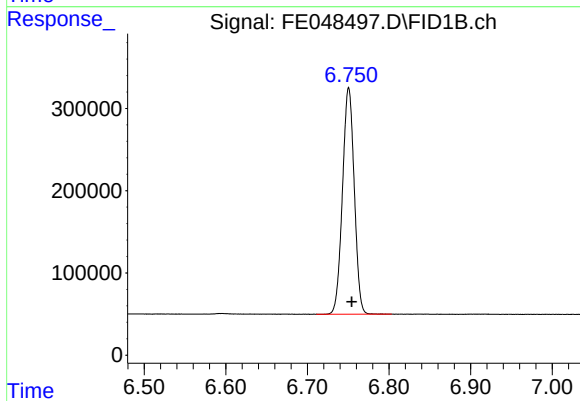
#2 n-Decane (C10)

R.T.: 4.586 min
Delta R.T.: -0.003 min
Response: 2814391
Conc: 18.64 ug/ml



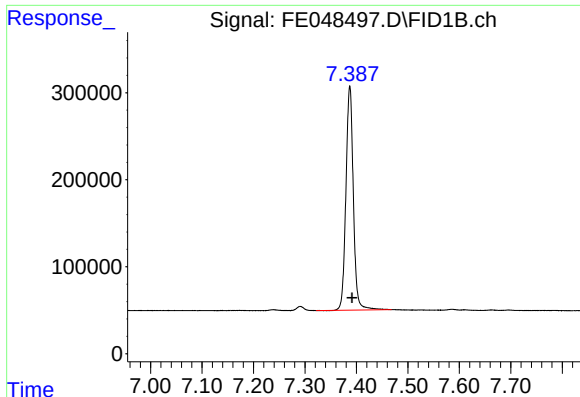
#3 A~Naphthalene (C11.7)

R.T.: 6.291 min
Delta R.T.: -0.004 min
Response: 2774704
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 2759487
Conc: 18.64 ug/ml



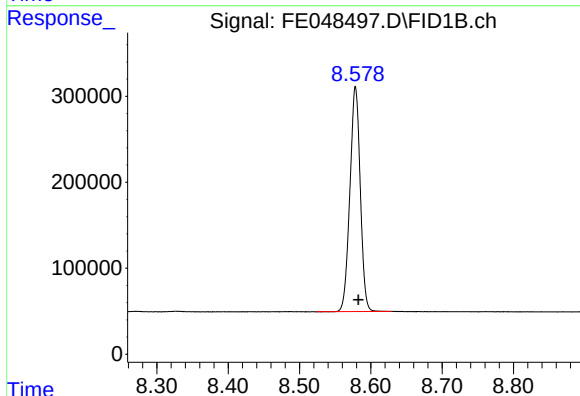
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: -0.004 min
Response: 2584197
Conc: 18.64 ug/ml

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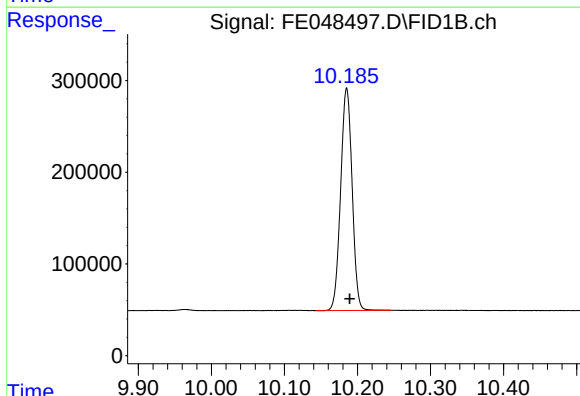
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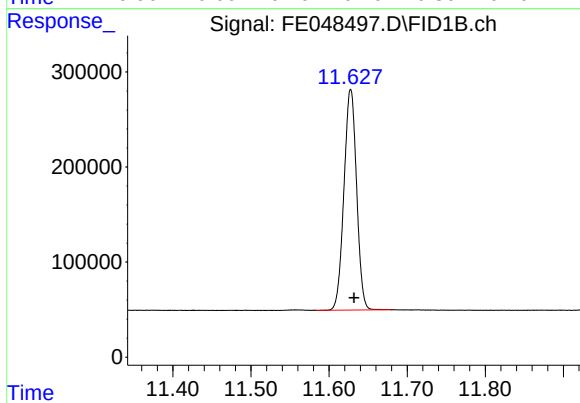
#6 n-Tetradecane (C14)

R.T.: 8.578 min
Delta R.T.: -0.004 min
Response: 2641202
Conc: 18.62 ug/ml



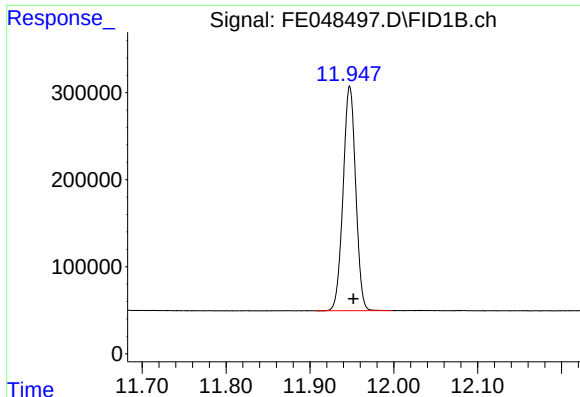
#7 n-Hexadecane (C16)

R.T.: 10.185 min
Delta R.T.: -0.004 min
Response: 2645408
Conc: 18.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.628 min
Delta R.T.: -0.004 min
Response: 2611466
Conc: 18.80 ug/ml



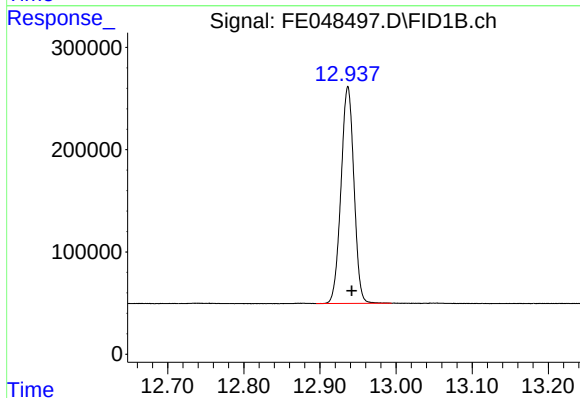
#9 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: -0.004 min
Response: 2696545
Conc: 18.78 ug/ml

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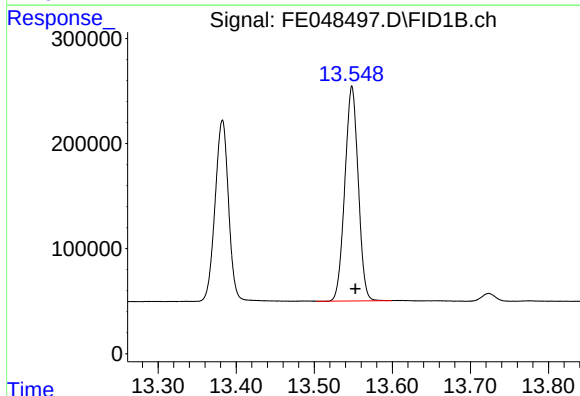
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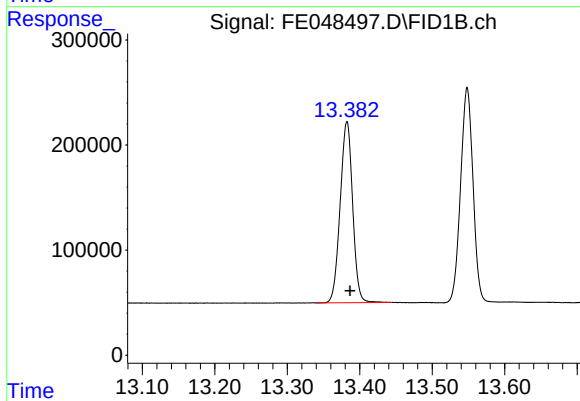
#10 n-Eicosane (C20)

R.T.: 12.937 min
Delta R.T.: -0.005 min
Response: 2502509
Conc: 18.91 ug/ml



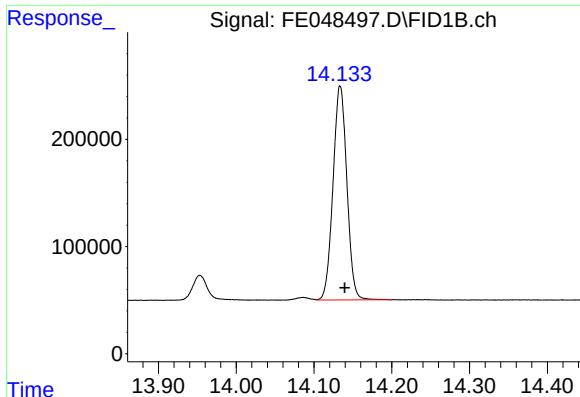
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: -0.004 min
Response: 2432881
Conc: 18.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.382 min
Delta R.T.: -0.004 min
Response: 2061166
Conc: 18.92 ug/ml



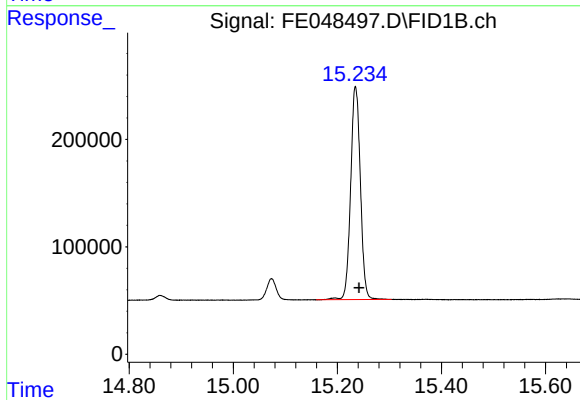
#13 n-Docosane (C22)

R.T.: 14.134 min
Delta R.T.: -0.006 min
Response: 2471547
Conc: 19.18 ug/ml

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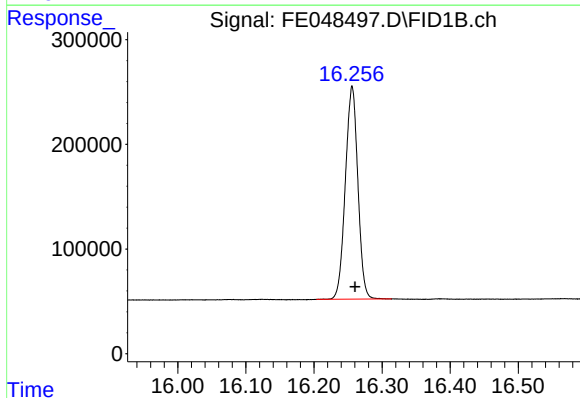
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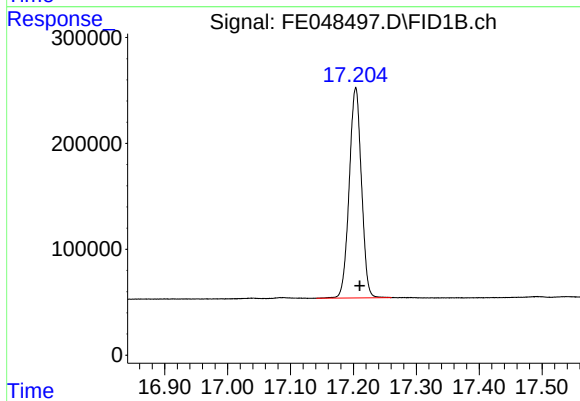
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.007 min
Response: 2573014
Conc: 19.86 ug/ml



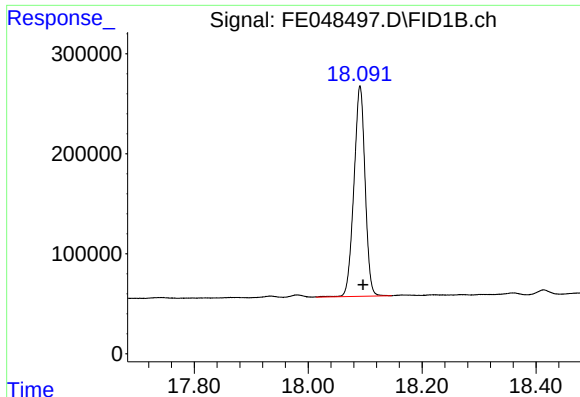
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: -0.004 min
Response: 2599127
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.007 min
Response: 2684247
Conc: 20.77 ug/ml



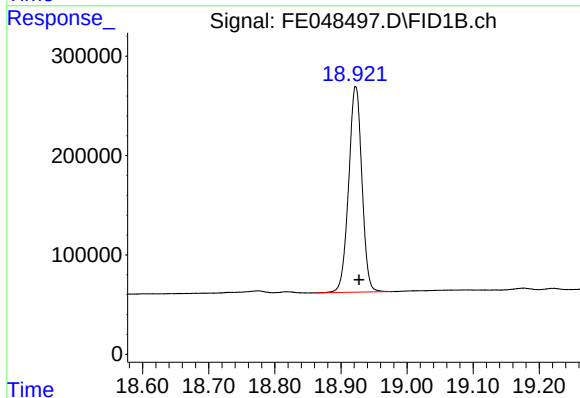
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.005 min
Response: 2861085
Conc: 21.36 ug/ml

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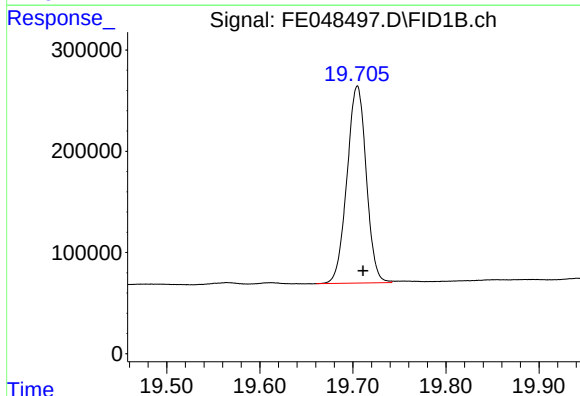
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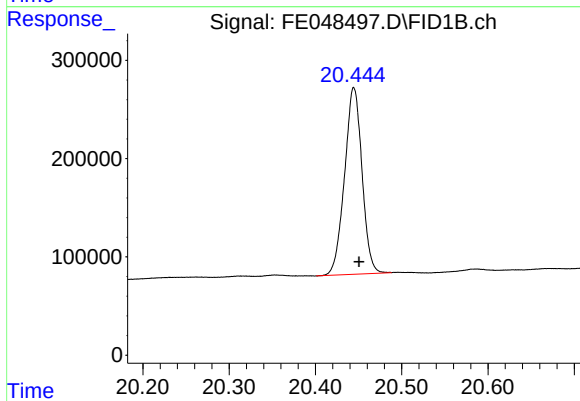
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.005 min
Response: 2885993
Conc: 21.26 ug/ml



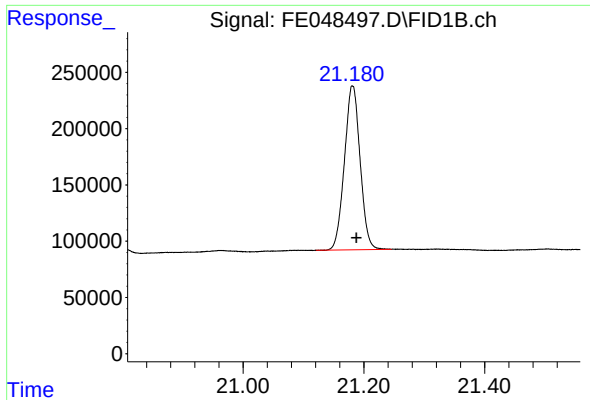
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: -0.006 min
Response: 2801265
Conc: 20.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.006 min
Response: 2668421
Conc: 19.63 ug/ml



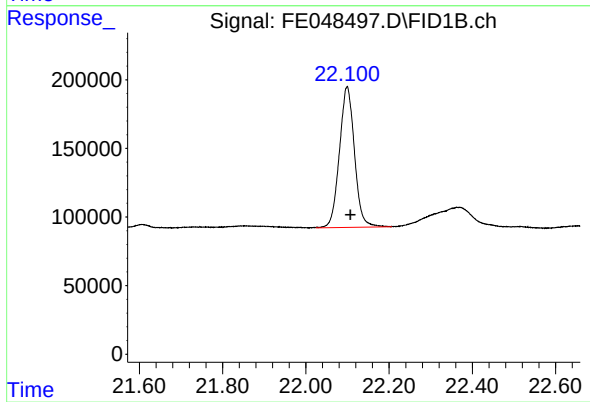
#21 n-Octatriacontane (C38)

R.T.: 21.181 min
Delta R.T.: -0.006 min
Response: 2627726
Conc: 19.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: -0.008 min
Response: 2579195
Conc: 18.84 ug/ml m