

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081423AL\
 Data File : FE043921.D
 Signal(s) : FID1B.ch
 Acq On : 14 Aug 2023 10:31
 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 08/15/2023
 Supervised By :Ankita Jodhani 08/15/2023

Integration File: autoint1.e
 Quant Time: Aug 14 12:49:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080323.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 02 09:56:52 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)	11.946	3898521	18.918 ug/ml
Spiked Amount 50.000		Recovery =	37.84%
12) S 1-chlorooctadecane (S...	13.383	2916468	18.690 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
Target Compounds			
1) T n-Nonane (C9)	3.333	3222984	19.958 ug/ml
2) T n-Decane (C10)	4.584	3314965	20.113 ug/ml
3) T A~Naphthalene (C11.7)	6.286	3656999	20.086 ug/ml
4) T n-Dodecane (C12)	6.747	3384272	20.221 ug/ml
5) T A~2-methylnaphthalene...	7.381	3533648	19.849 ug/ml
6) T n-Tetradecane (C14)	8.574	3374543	20.029 ug/ml
7) T n-Hexadecane (C16)	10.183	3501835	19.852 ug/ml
8) T n-Octadecane (C18)	11.628	3538006	19.531 ug/ml
10) T n-Eicosane (C20)	12.938	3387115	19.140 ug/ml
11) T n-Heneicosane (C21)	13.551	3315862	18.727 ug/ml
13) T n-Docosane (C22)	14.138	3275264	18.673 ug/ml
14) T n-Tetracosane (C24)	15.243	3193580	18.176 ug/ml
15) T n-Hexacosane (C26)	16.264	3060450	17.707 ug/ml
16) T n-Octacosane (C28)	17.215	2887371	17.257 ug/ml
17) T n-Tricontane (C30)	18.103	2864948	17.297 ug/ml
18) T n-Dotriacontane (C32)	18.938	2755229	17.450 ug/ml
19) T n-Tetratriacontane (C34)	19.722	2731471	18.382 ug/ml
20) T n-Hexatriacontane (C36)	20.464	2636087	18.859 ug/ml
21) T n-Octatriacontane (C38)	21.211	2749207	20.608 ug/mlm
22) T n-Tetracontane (C40)	22.139	2862414	22.184 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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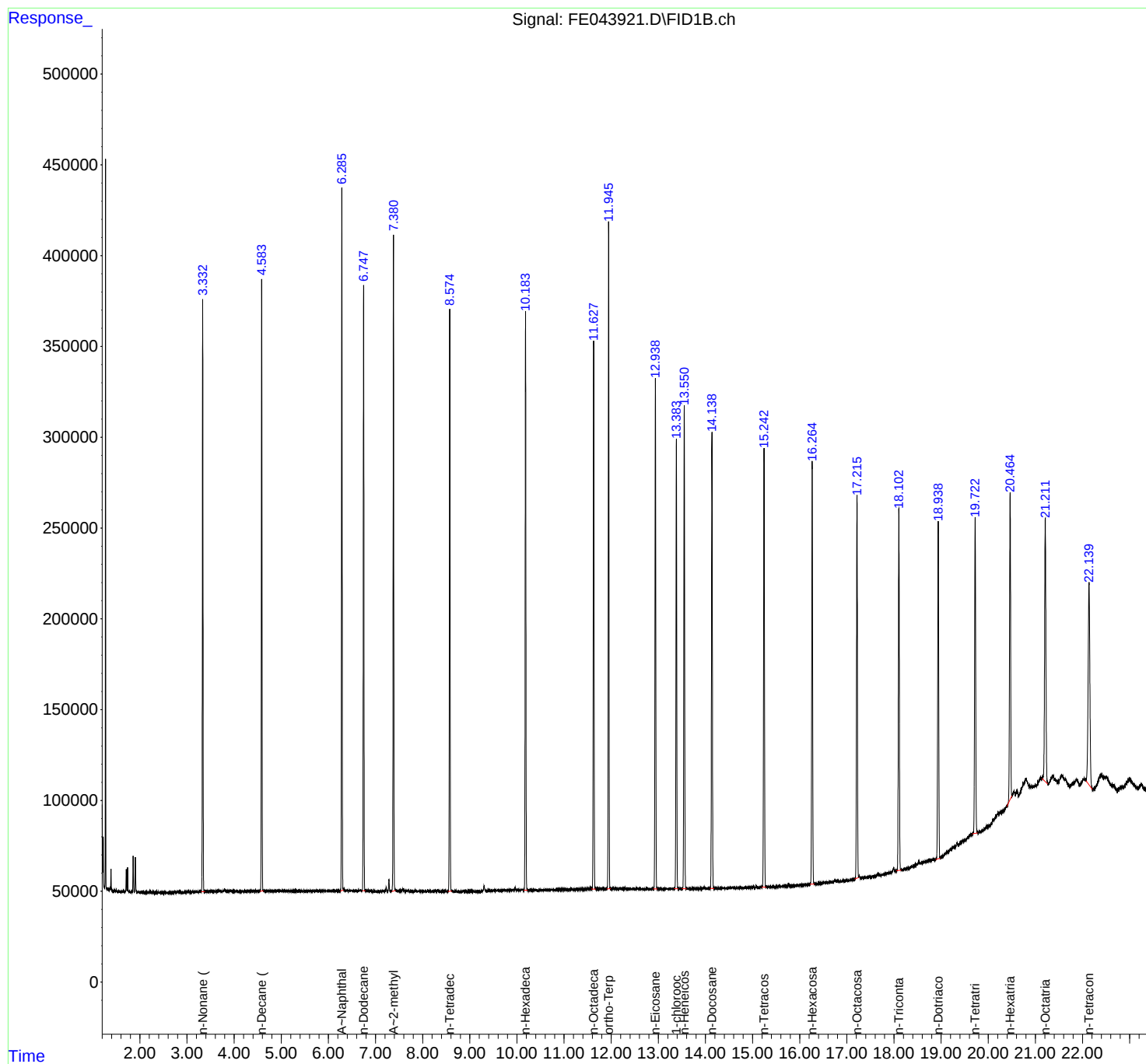
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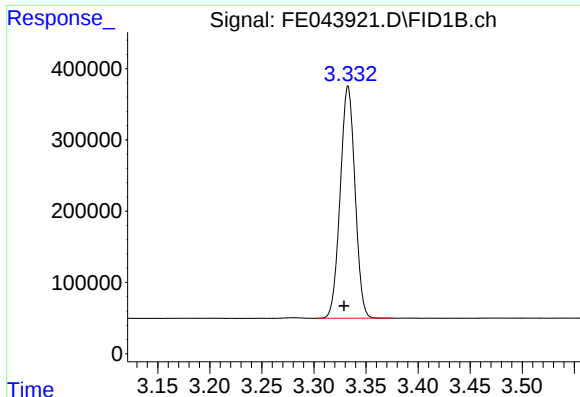
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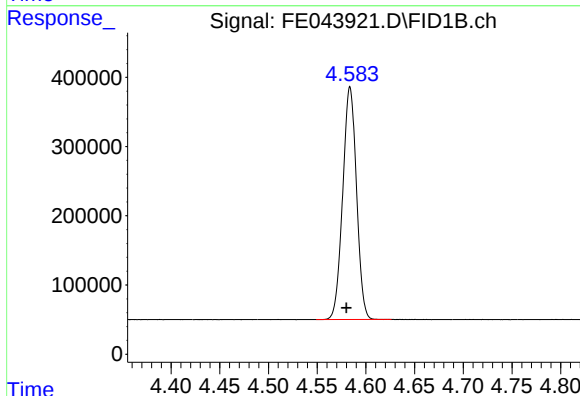
#1 n-Nonane (C9)

R.T.: 3.333 min
Delta R.T.: 0.004 min
Response: 3222984
Conc: 19.96 ug/ml

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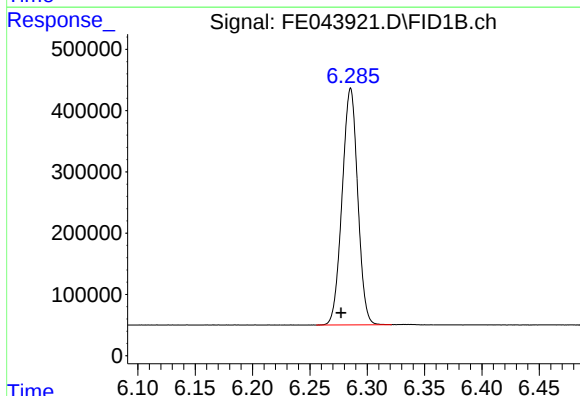
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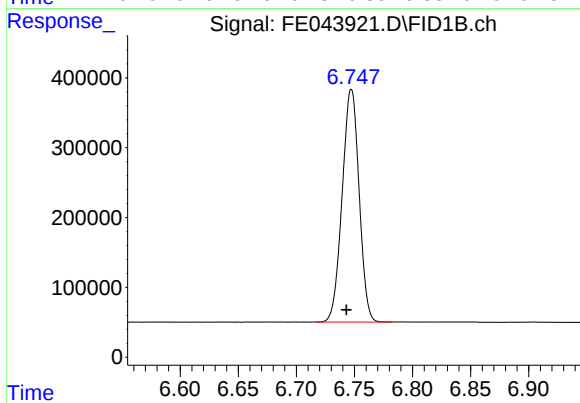
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: 0.004 min
Response: 3314965
Conc: 20.11 ug/ml



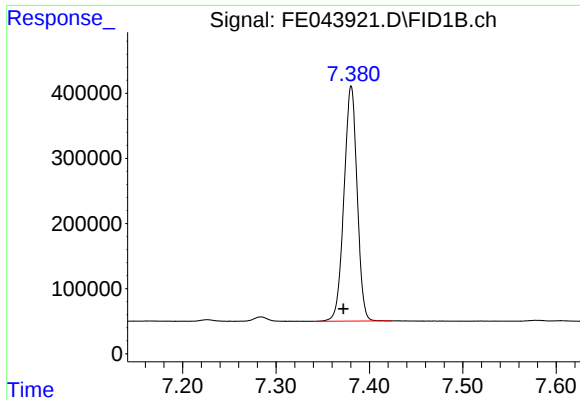
#3 A~Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: 0.008 min
Response: 3656999
Conc: 20.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: 0.004 min
Response: 3384272
Conc: 20.22 ug/ml



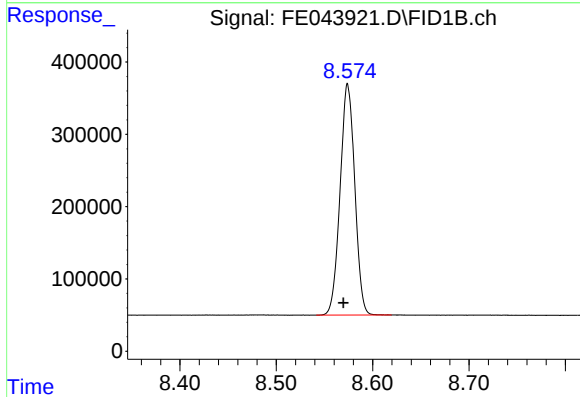
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: 0.009 min
Response: 3533648
Conc: 19.85 ug/ml

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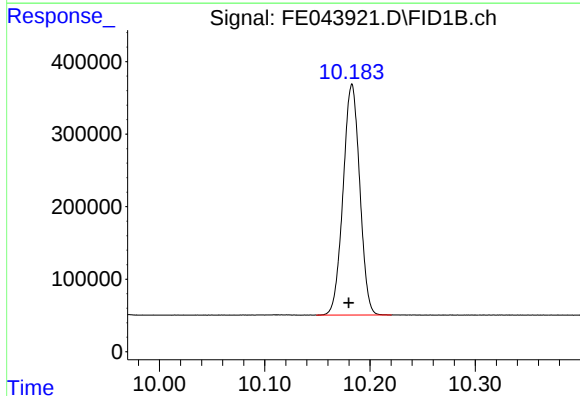
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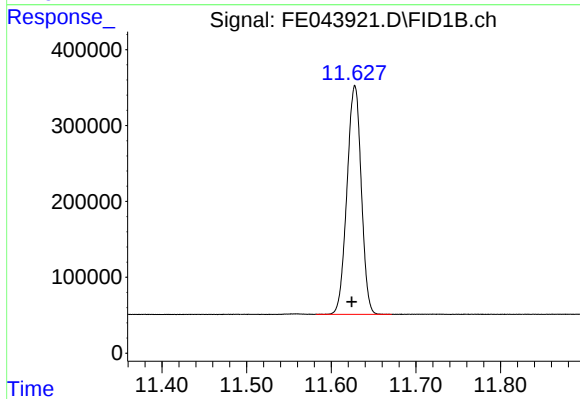
#6 n-Tetradecane (C14)

R.T.: 8.574 min
Delta R.T.: 0.005 min
Response: 3374543
Conc: 20.03 ug/ml



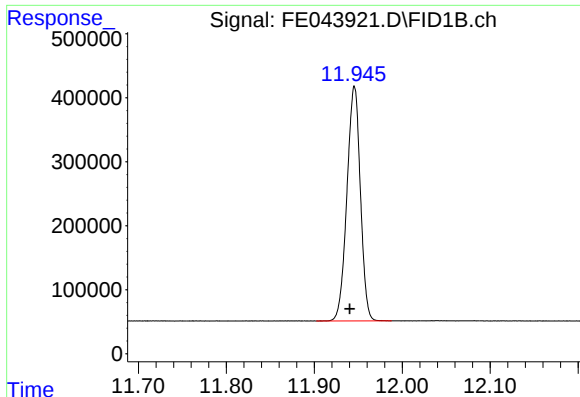
#7 n-Hexadecane (C16)

R.T.: 10.183 min
Delta R.T.: 0.003 min
Response: 3501835
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.628 min
Delta R.T.: 0.004 min
Response: 3538006
Conc: 19.53 ug/ml



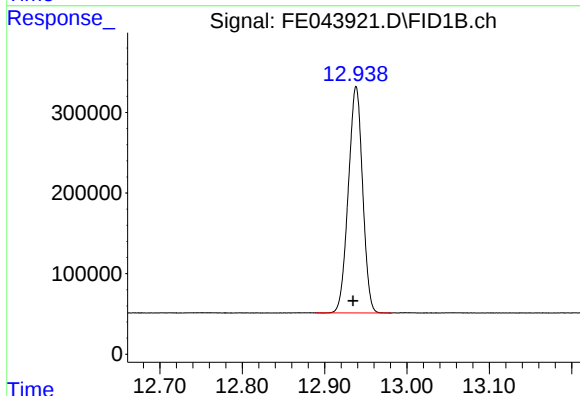
#9 ortho-Terphenyl (SURR)

R.T.: 11.946 min
Delta R.T.: 0.005 min
Response: 3898521
Conc: 18.92 ug/ml

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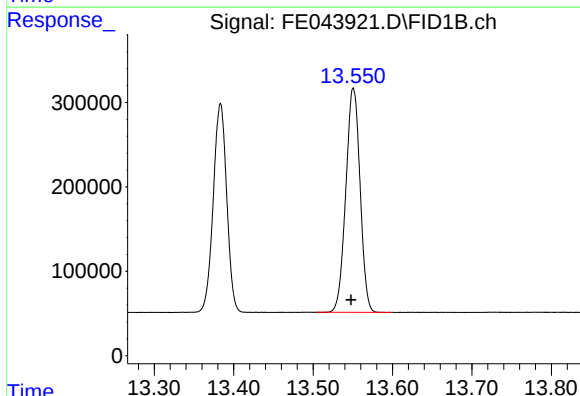
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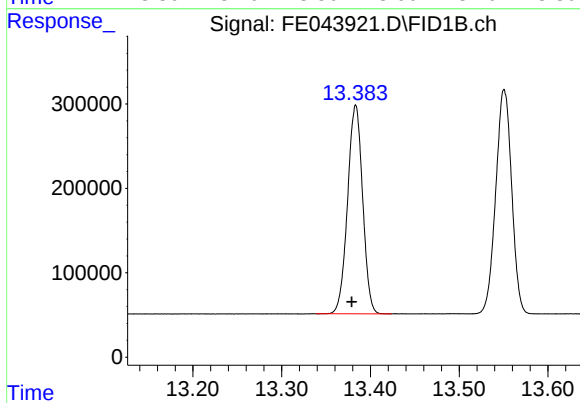
#10 n-Eicosane (C20)

R.T.: 12.938 min
Delta R.T.: 0.004 min
Response: 3387115
Conc: 19.14 ug/ml



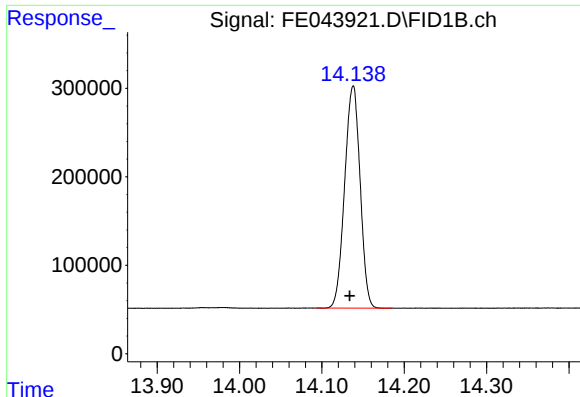
#11 n-Heneicosane (C21)

R.T.: 13.551 min
Delta R.T.: 0.003 min
Response: 3315862
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.383 min
Delta R.T.: 0.004 min
Response: 2916468
Conc: 18.69 ug/ml



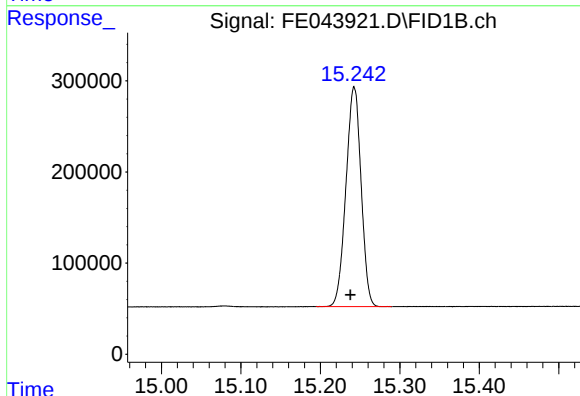
#13 n-Docosane (C22)

R.T.: 14.138 min
Delta R.T.: 0.004 min
Response: 3275264
Conc: 18.67 ug/ml

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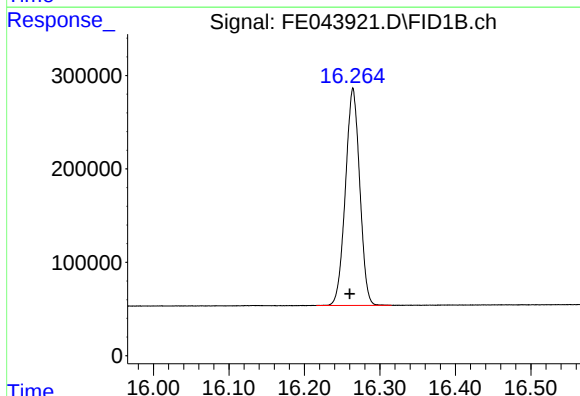
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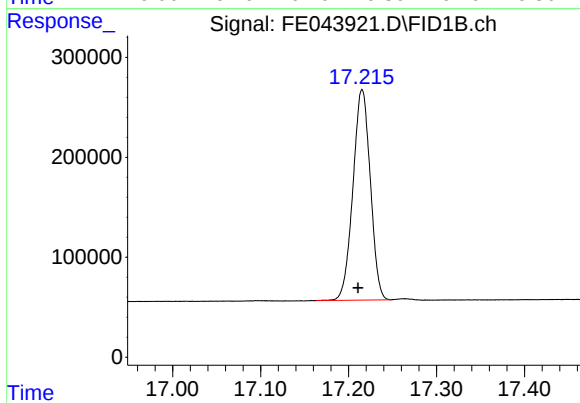
#14 n-Tetracosane (C24)

R.T.: 15.243 min
Delta R.T.: 0.005 min
Response: 3193580
Conc: 18.18 ug/ml



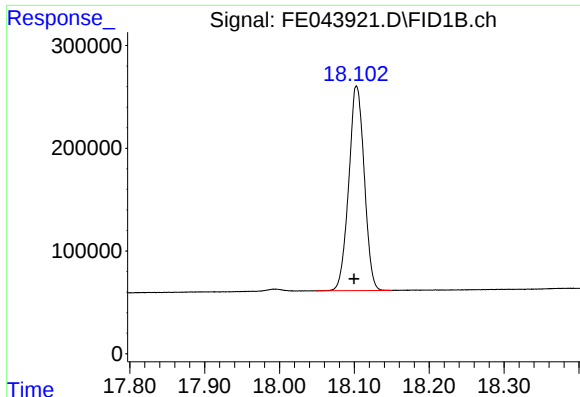
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: 0.004 min
Response: 3060450
Conc: 17.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: 0.005 min
Response: 2887371
Conc: 17.26 ug/ml



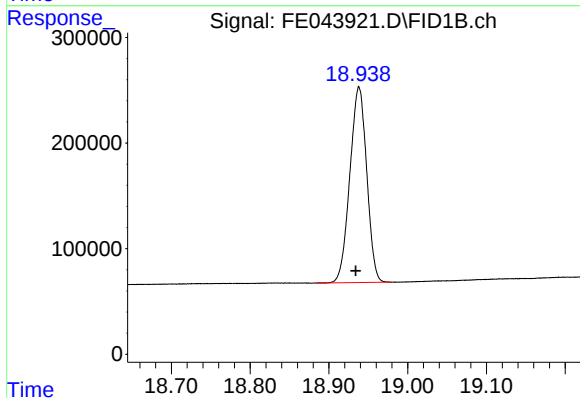
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: 0.003 min
Response: 2864948
Conc: 17.30 ug/ml

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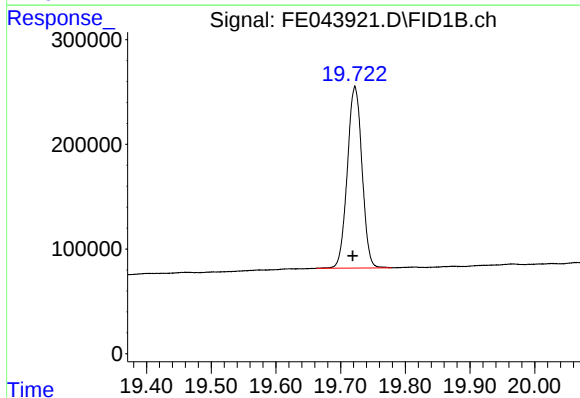
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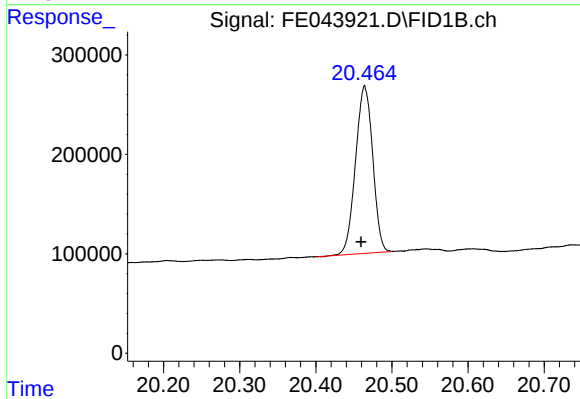
#18 n-Dotriacontane (C32)

R.T.: 18.938 min
Delta R.T.: 0.004 min
Response: 2755229
Conc: 17.45 ug/ml



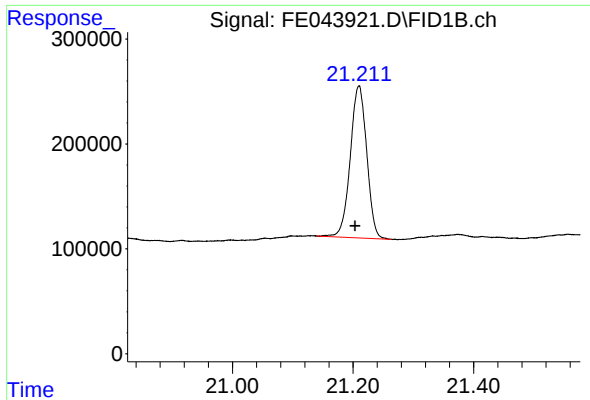
#19 n-Tetratriacontane (C34)

R.T.: 19.722 min
Delta R.T.: 0.003 min
Response: 2731471
Conc: 18.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: 0.004 min
Response: 2636087
Conc: 18.86 ug/ml



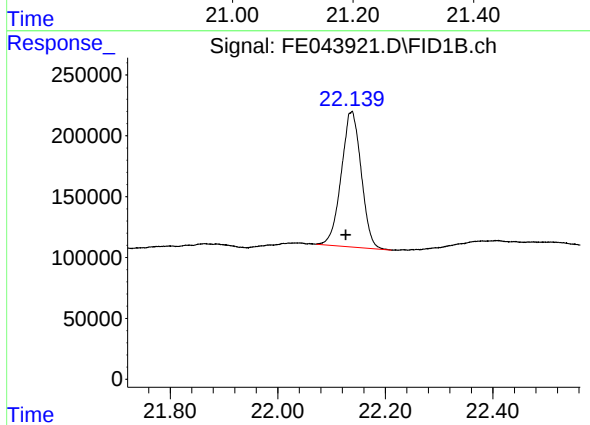
#21 n-Octatriacontane (C38)

R.T.: 21.211 min
Delta R.T.: 0.007 min
Response: 2749207
Conc: 20.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.139 min
Delta R.T.: 0.012 min
Response: 2862414
Conc: 22.18 ug/ml m