

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071024AL\
 Data File : FE049039.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jul 2024 12:54
 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 07/11/2024
 Supervised By :Ankita Jodhani 07/11/2024

Integration File: autoint1.e
 Quant Time: Jul 11 04:12:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.923	2917251	17.447 ug/ml
Spiked Amount 50.000		Recovery =	34.89%
12) S 1-chlorooctadecane (S...	13.358	2215659	17.230 ug/ml
Spiked Amount 50.000		Recovery =	34.46%
Target Compounds			
1) T n-Nonane (C9)	3.311	2772409	18.441 ug/ml
2) T n-Decane (C10)	4.560	2890368	18.782 ug/ml
3) T A~Naphthalene (C11.7)	6.266	2903284	18.288 ug/ml
4) T n-Dodecane (C12)	6.726	2856836	18.506 ug/ml
5) T A~2-methylnaphthalene...	7.362	2739902	18.093 ug/ml
6) T n-Tetradecane (C14)	8.554	2819652	18.397 ug/ml
7) T n-Hexadecane (C16)	10.162	2866662	18.334 ug/ml
8) T n-Octadecane (C18)	11.604	2862869	17.950 ug/ml
10) T n-Eicosane (C20)	12.913	2732670	17.626 ug/ml
11) T n-Heneicosane (C21)	13.524	2684644	17.631 ug/ml
13) T n-Docosane (C22)	14.110	2660455	17.592 ug/ml
14) T n-Tetracosane (C24)	15.212	2683543	17.857 ug/ml
15) T n-Hexacosane (C26)	16.232	2678911	18.146 ug/ml
16) T n-Octacosane (C28)	17.181	2764824	19.171 ug/ml
17) T n-Tricontane (C30)	18.069	3071931	20.998 ug/ml
18) T n-Dotriacontane (C32)	18.900	3248580	22.721 ug/ml
19) T n-Tetratriacontane (C34)	19.684	3141542	22.704 ug/ml
20) T n-Hexatriacontane (C36)	20.422	3001577	23.095 ug/ml
21) T n-Octatriacontane (C38)	21.156	2876039	22.435 ug/ml
22) T n-Tetracontane (C40)	22.066	2960474	24.175 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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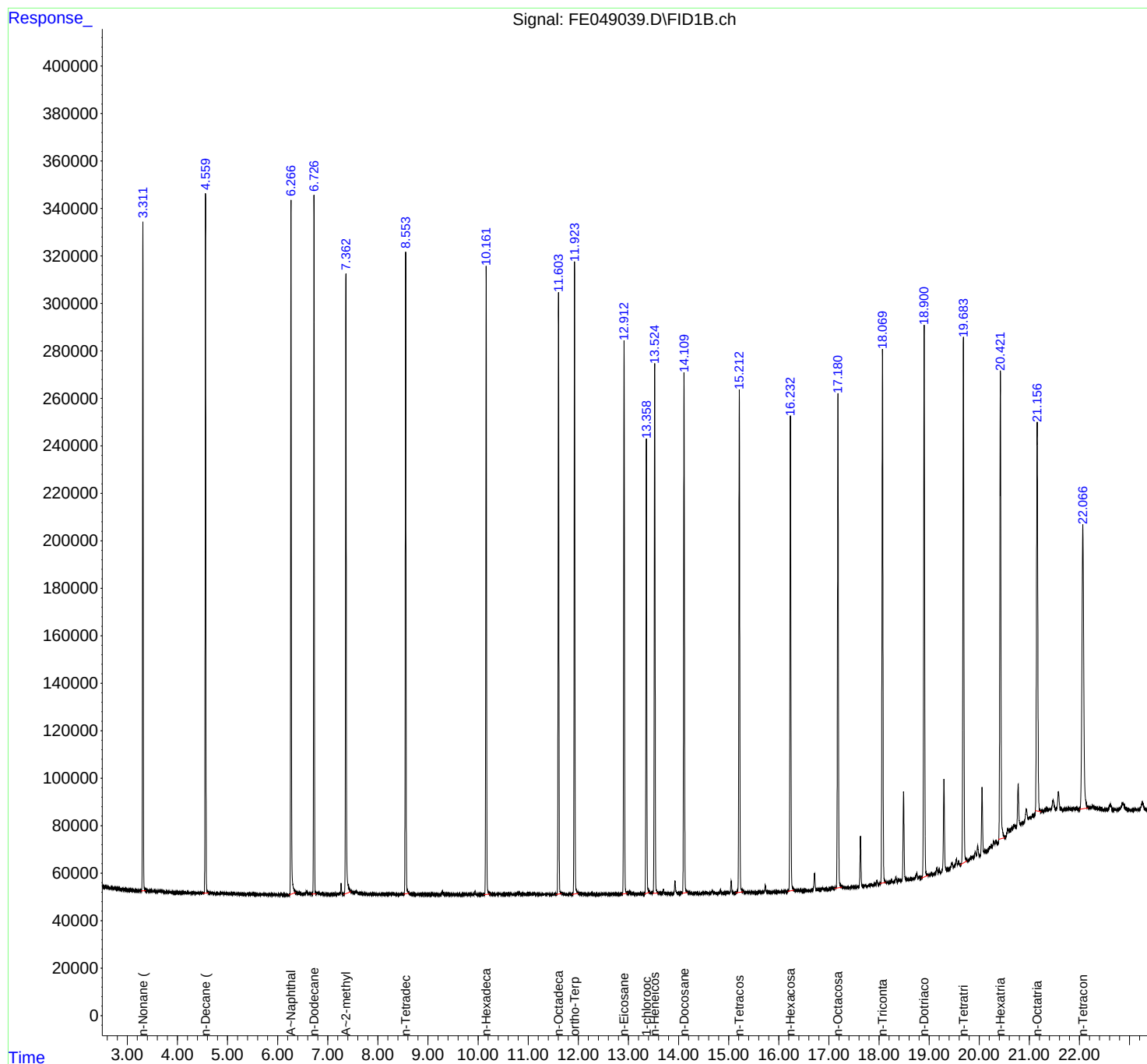
Instrument :
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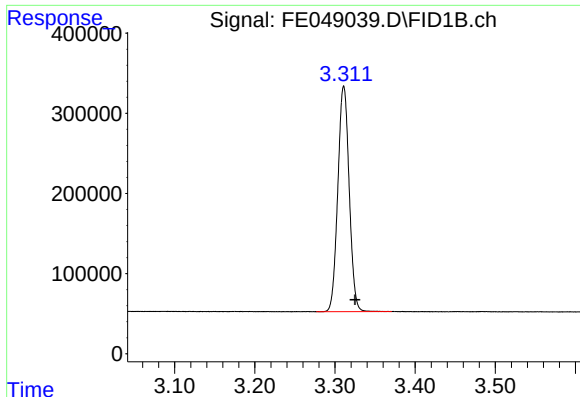
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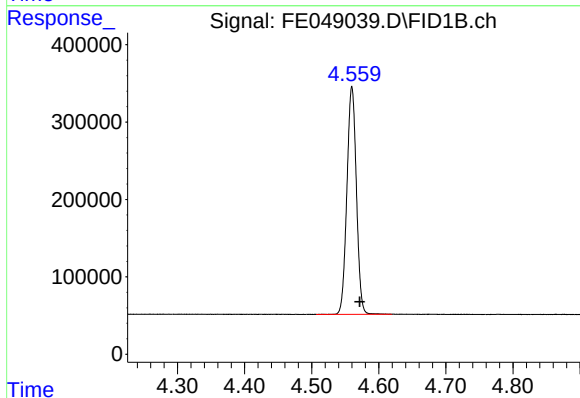
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: -0.014 min
Response: 2772409
Conc: 18.44 ug/ml

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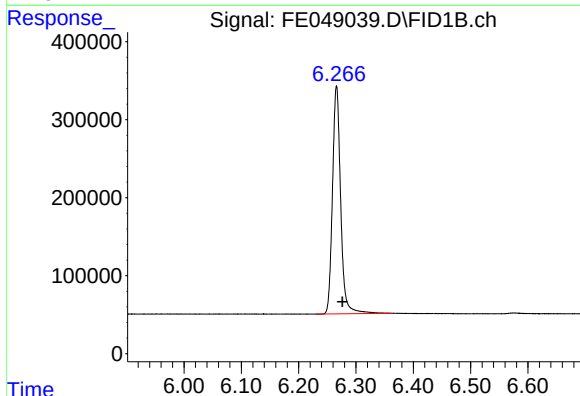
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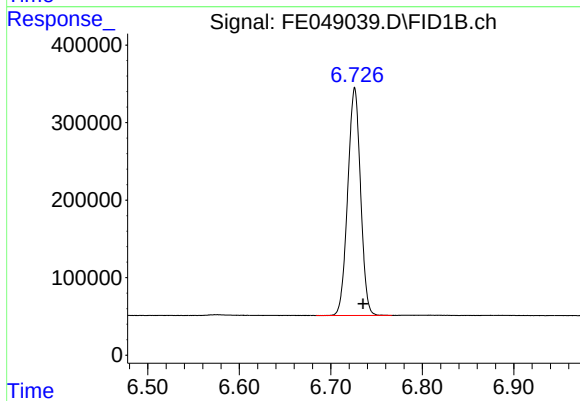
#2 n-Decane (C10)

R.T.: 4.560 min
Delta R.T.: -0.012 min
Response: 2890368
Conc: 18.78 ug/ml



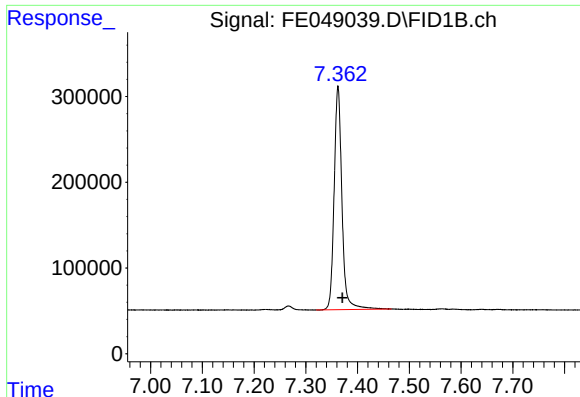
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: -0.010 min
Response: 2903284
Conc: 18.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.726 min
Delta R.T.: -0.009 min
Response: 2856836
Conc: 18.51 ug/ml



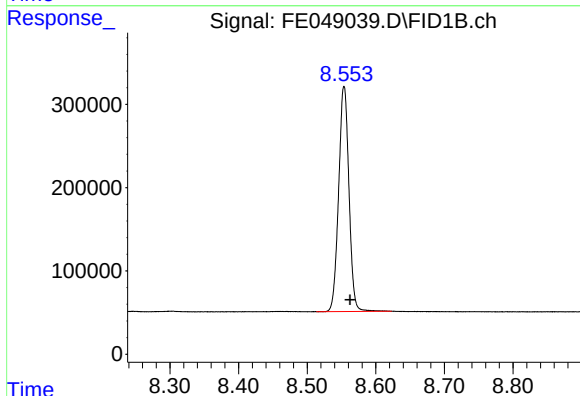
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.362 min
Delta R.T.: -0.008 min
Response: 2739902
Conc: 18.09 ug/ml

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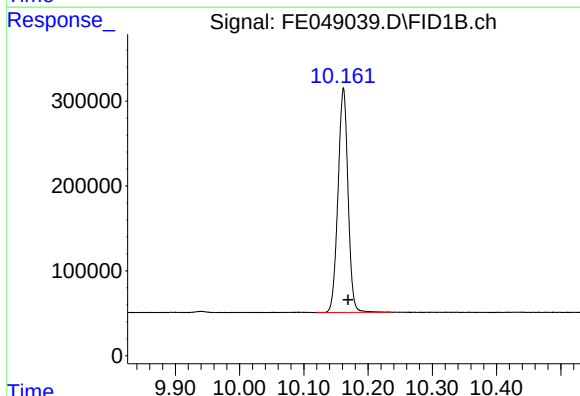
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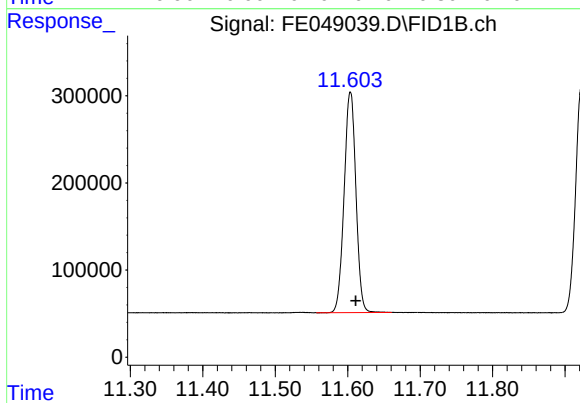
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.009 min
Response: 2819652
Conc: 18.40 ug/ml



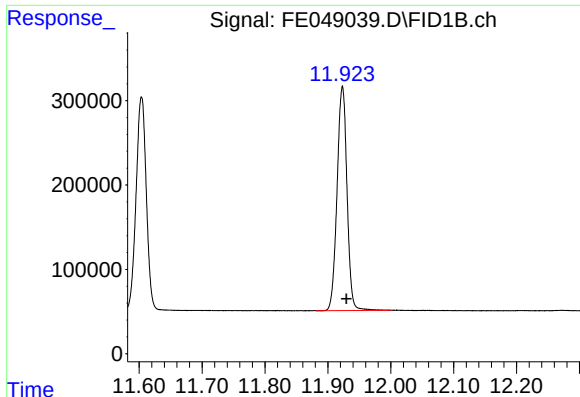
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.007 min
Response: 2866662
Conc: 18.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.604 min
Delta R.T.: -0.007 min
Response: 2862869
Conc: 17.95 ug/ml



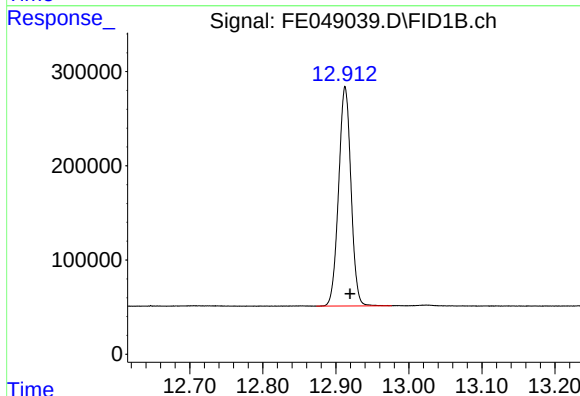
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.006 min
Response: 2917251
Conc: 17.45 ug/ml

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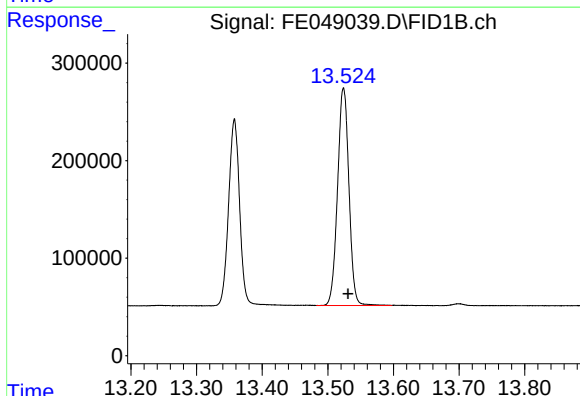
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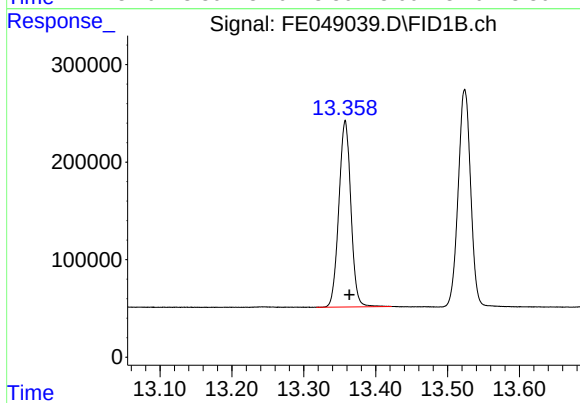
#10 n-Eicosane (C20)

R.T.: 12.913 min
Delta R.T.: -0.007 min
Response: 2732670
Conc: 17.63 ug/ml



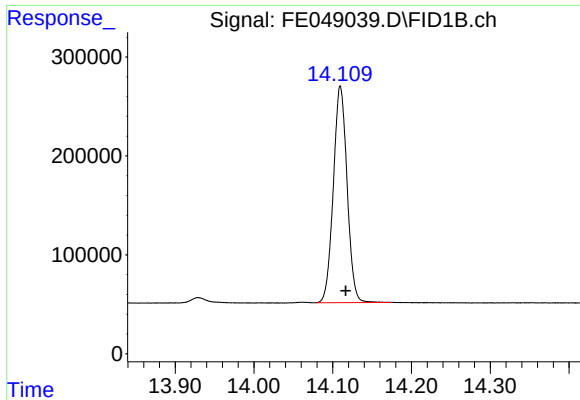
#11 n-Heneicosane (C21)

R.T.: 13.524 min
Delta R.T.: -0.007 min
Response: 2684644
Conc: 17.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.358 min
Delta R.T.: -0.006 min
Response: 2215659
Conc: 17.23 ug/ml



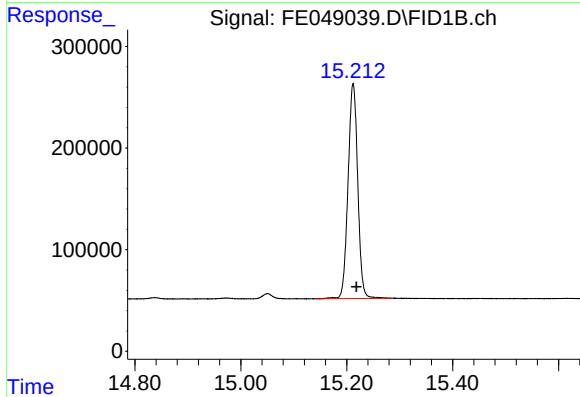
#13 n-Docosane (C22)

R.T.: 14.110 min
Delta R.T.: -0.007 min
Response: 2660455
Conc: 17.59 ug/ml

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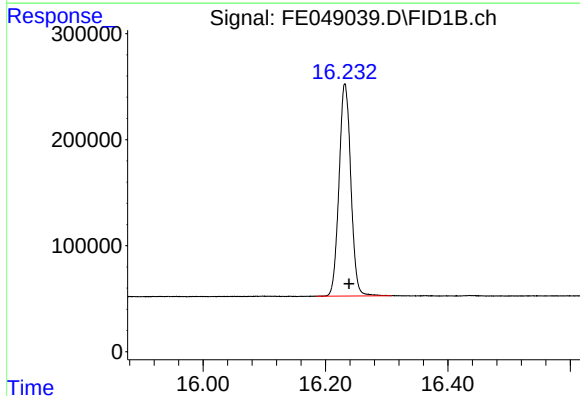
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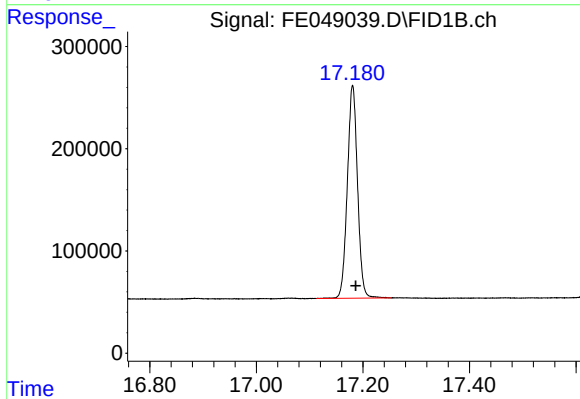
#14 n-Tetracosane (C24)

R.T.: 15.212 min
Delta R.T.: -0.006 min
Response: 2683543
Conc: 17.86 ug/ml



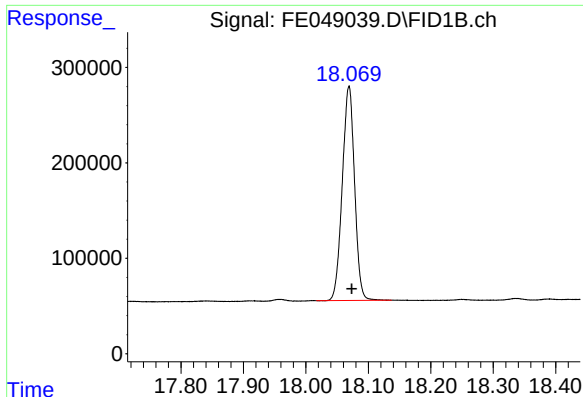
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: -0.006 min
Response: 2678911
Conc: 18.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.181 min
Delta R.T.: -0.006 min
Response: 2764824
Conc: 19.17 ug/ml



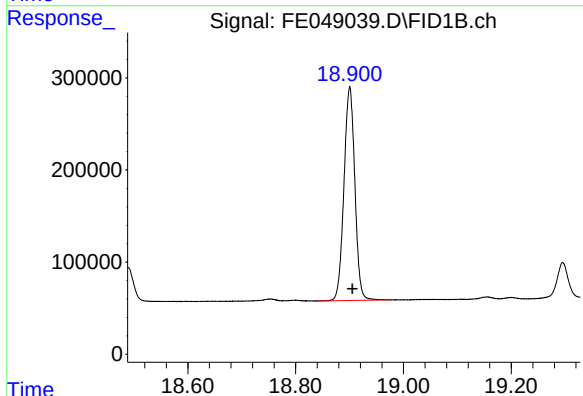
#17 n-Tricontane (C30)

R.T.: 18.069 min
Delta R.T.: -0.004 min
Response: 3071931
Conc: 21.00 ug/ml

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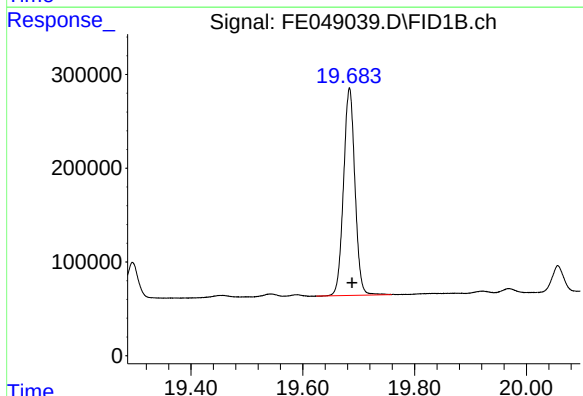
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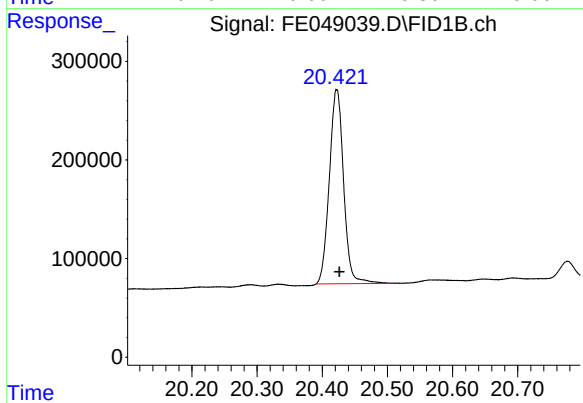
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: -0.005 min
Response: 3248580
Conc: 22.72 ug/ml



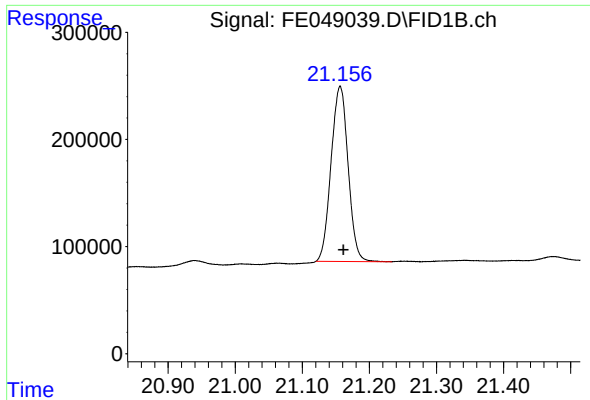
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.004 min
Response: 3141542
Conc: 22.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.422 min
Delta R.T.: -0.004 min
Response: 3001577
Conc: 23.09 ug/ml



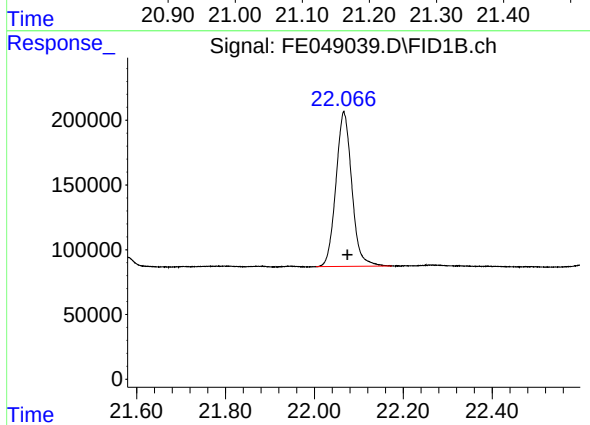
#21 n-Octatriacontane (C38)

R.T.: 21.156 min
Delta R.T.: -0.005 min
Response: 2876039
Conc: 22.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.066 min
Delta R.T.: -0.008 min
Response: 2960474
Conc: 24.18 ug/ml m