

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080322AL\
 Data File : FE036838.D
 Signal(s) : FID1B.ch
 Acq On : 03 Aug 2022 13:46
 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 08/04/2022
 Supervised By :Ankita Jodhani 08/04/2022

Integration File: autoint1.e
 Quant Time: Aug 03 21:16:48 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 2022
 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)	11.832	3268076	17.547 ug/ml
Spiked Amount 50.000		Recovery =	35.09%
12) S 1-chlorooctadecane (S...	13.272	2561003	16.833 ug/ml
Spiked Amount 50.000		Recovery =	33.67%
Target Compounds			
1) T n-Nonane (C9)	3.224	2947710	19.121 ug/ml
2) T n-Decane (C10)	4.478	2958949	19.196 ug/ml
3) T A~Naphthalene (C11.7)	6.179	3233252	18.921 ug/ml
4) T n-Dodecane (C12)	6.647	3000226	19.103 ug/ml
5) T A~2-methylnaphthalene...	7.275	3202305	18.632 ug/ml
6) T n-Tetradecane (C14)	8.473	3021611	18.508 ug/ml
7) T n-Hexadecane (C16)	10.079	2996004	18.177 ug/ml
8) T n-Octadecane (C18)	11.520	3002031	17.664 ug/ml
10) T n-Eicosane (C20)	12.828	2925541	17.199 ug/ml
11) T n-Heneicosane (C21)	13.441	2897355	16.928 ug/ml
13) T n-Docosane (C22)	14.027	2853596	16.714 ug/ml
14) T n-Tetracosane (C24)	15.128	2815050	16.514 ug/ml
15) T n-Hexacosane (C26)	16.148	2674809	15.999 ug/ml
16) T n-Octacosane (C28)	17.099	2618186	16.030 ug/ml
17) T n-Tricontane (C30)	17.988	2489416	16.382 ug/ml
18) T n-Dotriacontane (C32)	18.820	2044087	16.996 ug/ml
19) T n-Tetratriacontane (C34)	19.604	1488028	17.868 ug/ml
20) T n-Hexatriacontane (C36)	20.347	1137275	19.369 ug/ml
21) T n-Octatriacontane (C38)	21.067	1046128	20.865 ug/ml
22) T n-Tetracontane (C40)	21.947	936517	18.135 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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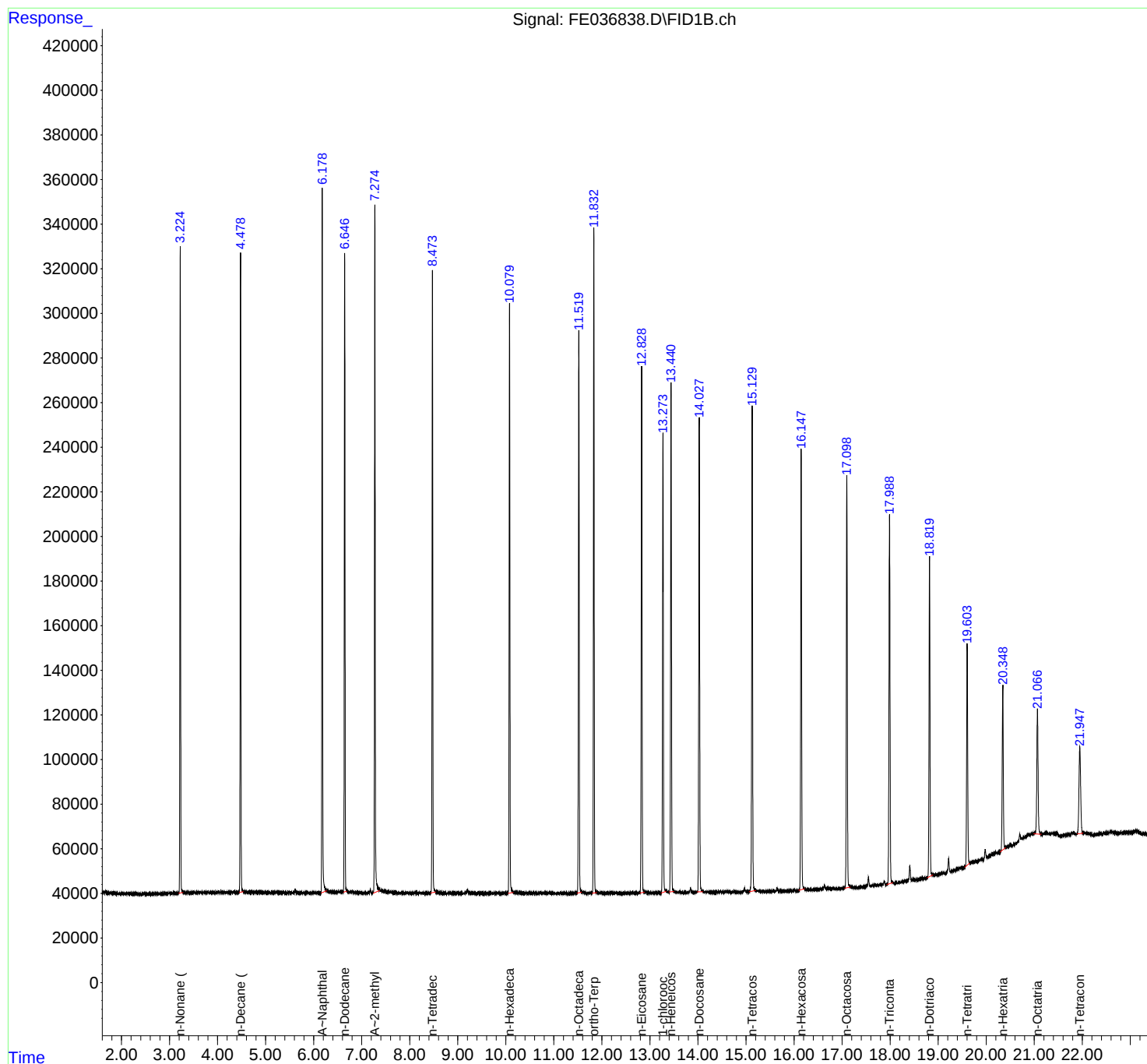
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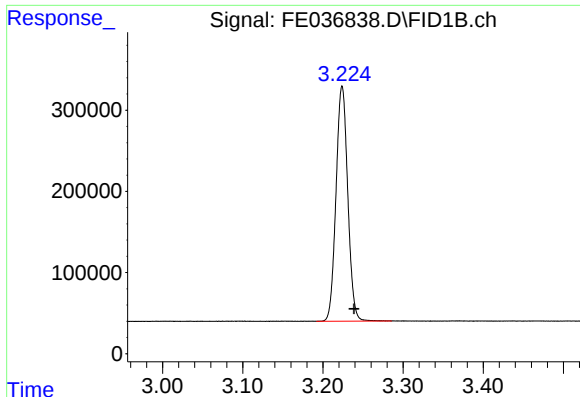
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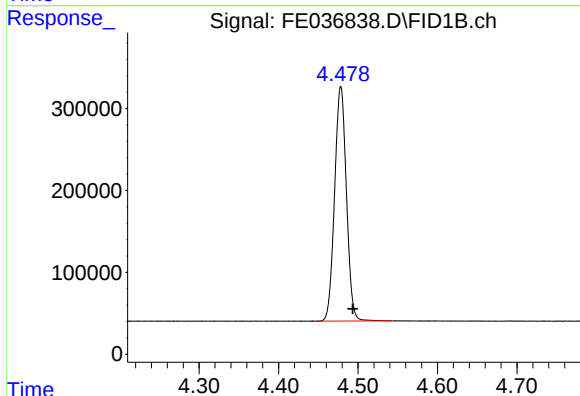
#1 n-Nonane (C9)

R.T.: 3.224 min
Delta R.T.: -0.015 min
Response: 2947710
Conc: 19.12 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

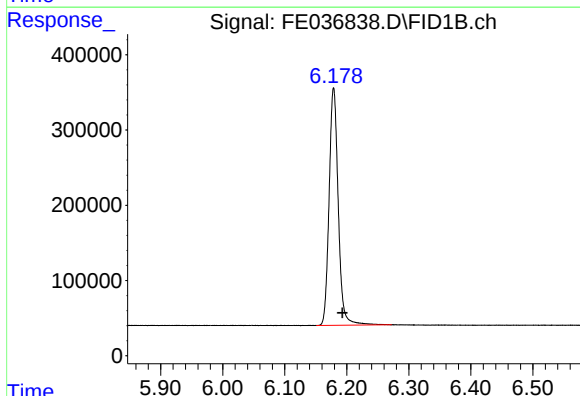
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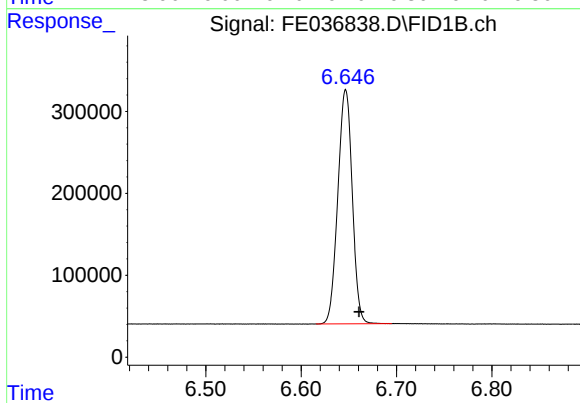
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.015 min
Response: 2958949
Conc: 19.20 ug/ml



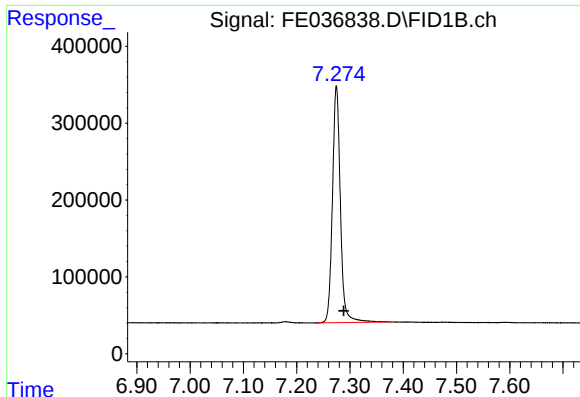
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.014 min
Response: 3233252
Conc: 18.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.014 min
Response: 3000226
Conc: 19.10 ug/ml



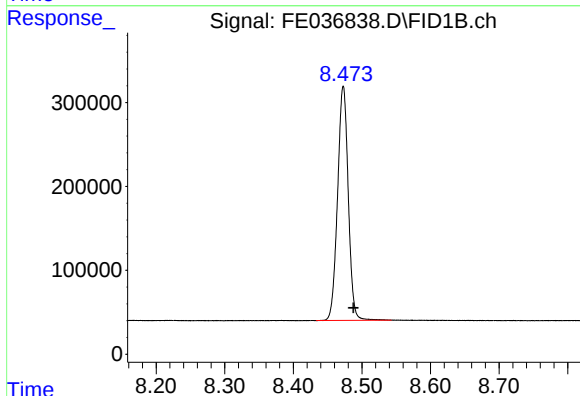
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.014 min
Response: 3202305
Conc: 18.63 ug/ml

Instrument :
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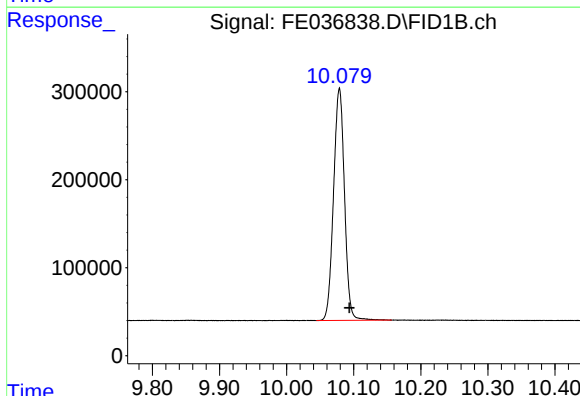
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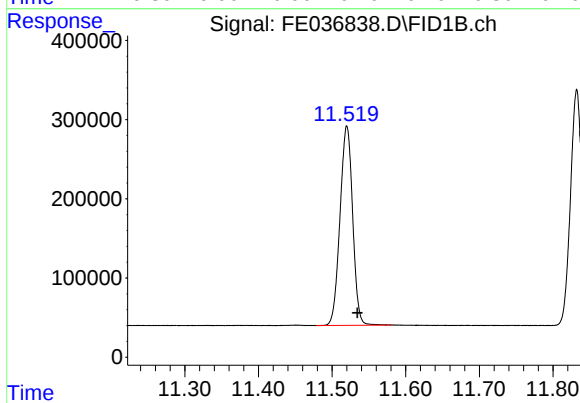
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.014 min
Response: 3021611
Conc: 18.51 ug/ml



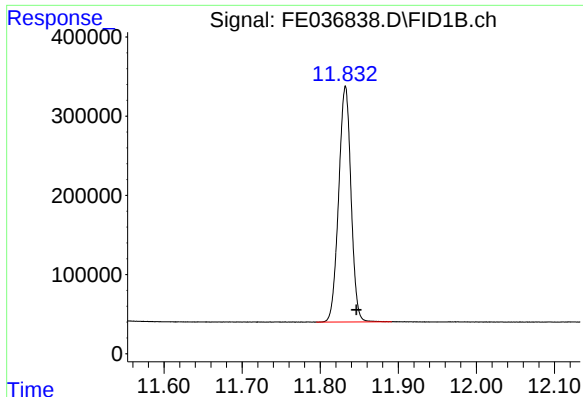
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.015 min
Response: 2996004
Conc: 18.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.015 min
Response: 3002031
Conc: 17.66 ug/ml



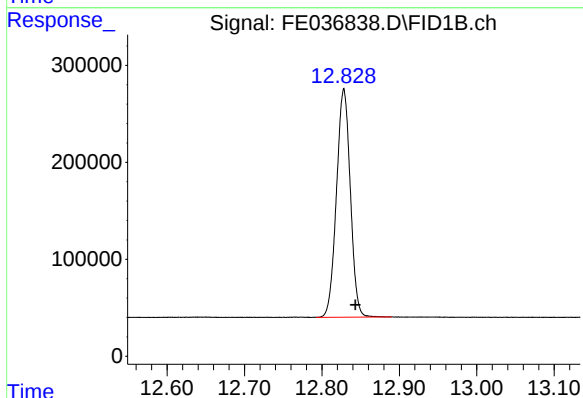
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.014 min
Response: 3268076
Conc: 17.55 ug/ml

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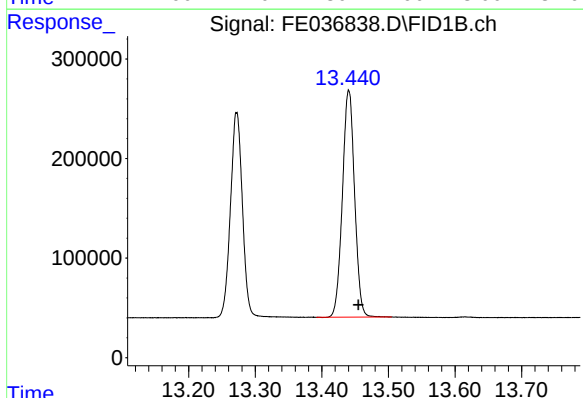
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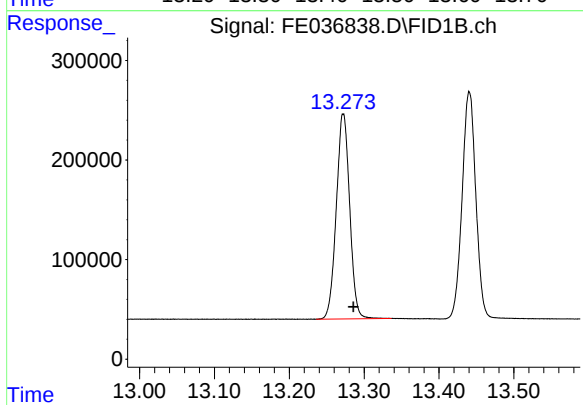
#10 n-Eicosane (C20)

R.T.: 12.828 min
Delta R.T.: -0.015 min
Response: 2925541
Conc: 17.20 ug/ml



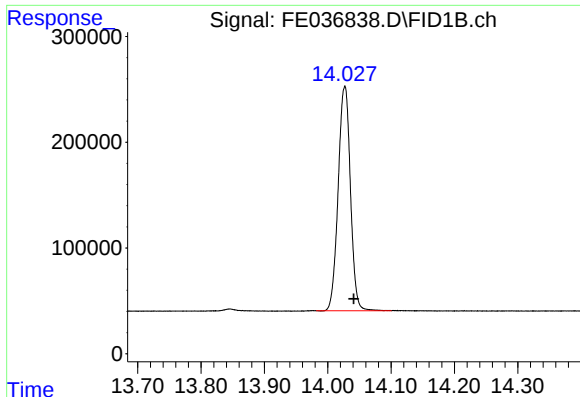
#11 n-Heneicosane (C21)

R.T.: 13.441 min
Delta R.T.: -0.014 min
Response: 2897355
Conc: 16.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.013 min
Response: 2561003
Conc: 16.83 ug/ml



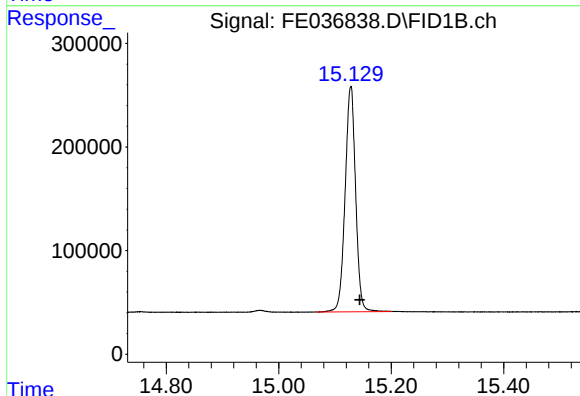
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.014 min
Response: 2853596
Conc: 16.71 ug/ml

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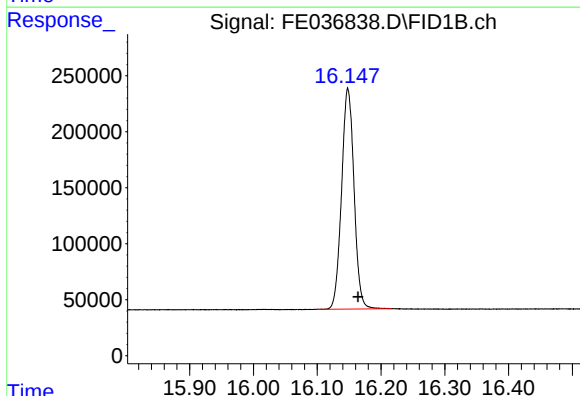
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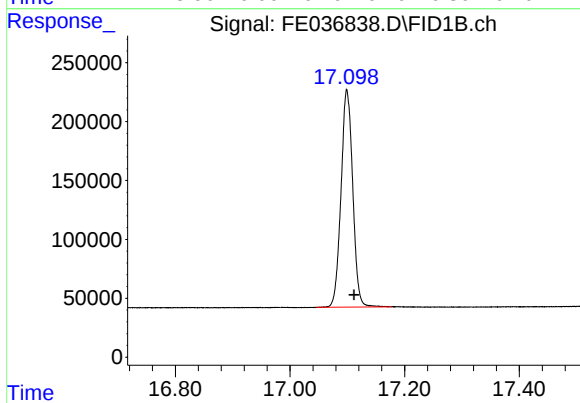
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.016 min
Response: 2815050
Conc: 16.51 ug/ml



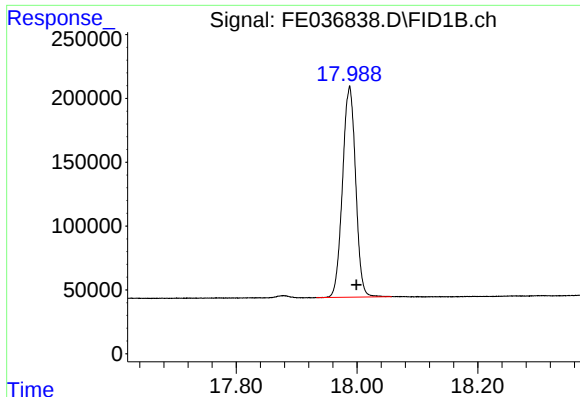
#15 n-Hexacosane (C26)

R.T.: 16.148 min
Delta R.T.: -0.016 min
Response: 2674809
Conc: 16.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.013 min
Response: 2618186
Conc: 16.03 ug/ml



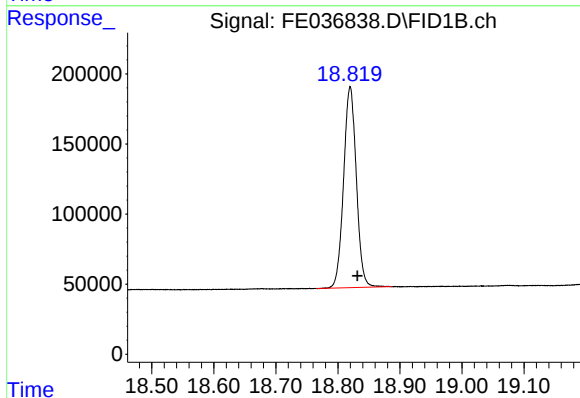
#17 n-Tricontane (C30)

R.T.: 17.988 min
Delta R.T.: -0.011 min
Response: 2489416
Conc: 16.38 ug/ml

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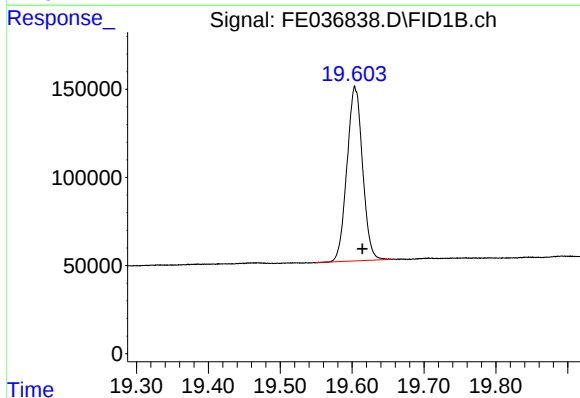
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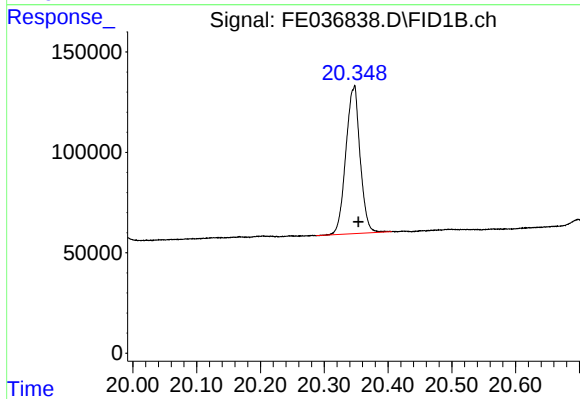
#18 n-Dotriacontane (C32)

R.T.: 18.820 min
Delta R.T.: -0.012 min
Response: 2044087
Conc: 17.00 ug/ml



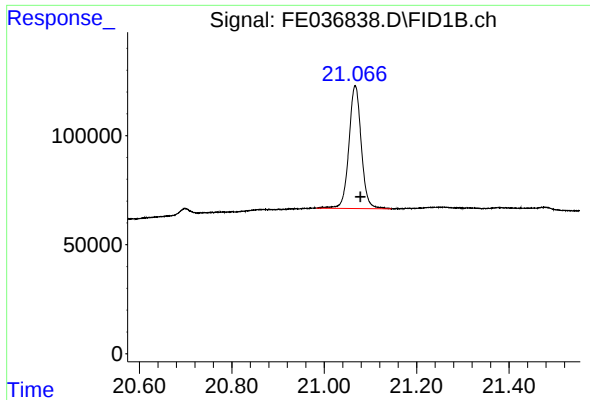
#19 n-Tetratriacontane (C34)

R.T.: 19.604 min
Delta R.T.: -0.011 min
Response: 1488028
Conc: 17.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.007 min
Response: 1137275
Conc: 19.37 ug/ml



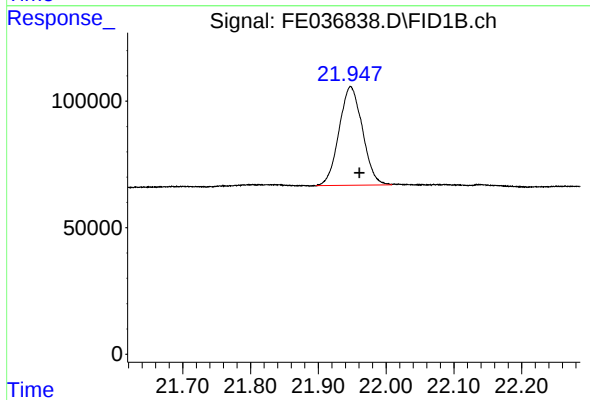
#21 n-Octatriacontane (C38)

R.T.: 21.067 min
Delta R.T.: -0.011 min
Response: 1046128
Conc: 20.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.947 min
Delta R.T.: -0.014 min
Response: 936517
Conc: 18.13 ug/ml m