

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121622AL\
 Data File : FE039361.D
 Signal(s) : FID1B.ch
 Acq On : 16 Dec 2022 22:16
 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 12/19/2022
 Supervised By :Ankita Jodhani 12/19/2022

Integration File: autoint1.e
 Quant Time: Dec 17 11:58:06 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 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)	11.942	3166981	20.244 ug/ml
Spiked Amount 50.000		Recovery =	40.49%
12) S 1-chlorooctadecane (S...	13.379	2450501	20.296 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
Target Compounds			
1) T n-Nonane (C9)	3.332	2704148	19.077 ug/ml
2) T n-Decane (C10)	4.582	2664332	19.116 ug/ml
3) T A~Naphthalene (C11.7)	6.287	3058505	19.229 ug/ml
4) T n-Dodecane (C12)	6.747	2727727	19.351 ug/ml
5) T A~2-methylnaphthalene...	7.382	2877567	19.227 ug/ml
6) T n-Tetradecane (C14)	8.573	2798200	19.592 ug/ml
7) T n-Hexadecane (C16)	10.180	2914261	19.932 ug/ml
8) T n-Octadecane (C18)	11.624	2970190	20.185 ug/ml
10) T n-Eicosane (C20)	12.933	2881515	20.298 ug/ml
11) T n-Heneicosane (C21)	13.545	2877946	20.253 ug/ml
13) T n-Docosane (C22)	14.131	2850524	20.392 ug/ml
14) T n-Tetracosane (C24)	15.234	2820293	20.421 ug/ml
15) T n-Hexacosane (C26)	16.256	2729175	20.319 ug/ml
16) T n-Octacosane (C28)	17.206	2720732	20.488 ug/ml
17) T n-Tricontane (C30)	18.095	2761667	20.912 ug/ml
18) T n-Dotriacontane (C32)	18.928	2824647	21.180 ug/ml
19) T n-Tetratriacontane (C34)	19.713	2743953	20.737 ug/ml
20) T n-Hexatriacontane (C36)	20.454	2624679	20.430 ug/ml
21) T n-Octatriacontane (C38)	21.194	2706282	20.653 ug/mlm
22) T n-Tetracontane (C40)	22.113	2657009	19.513 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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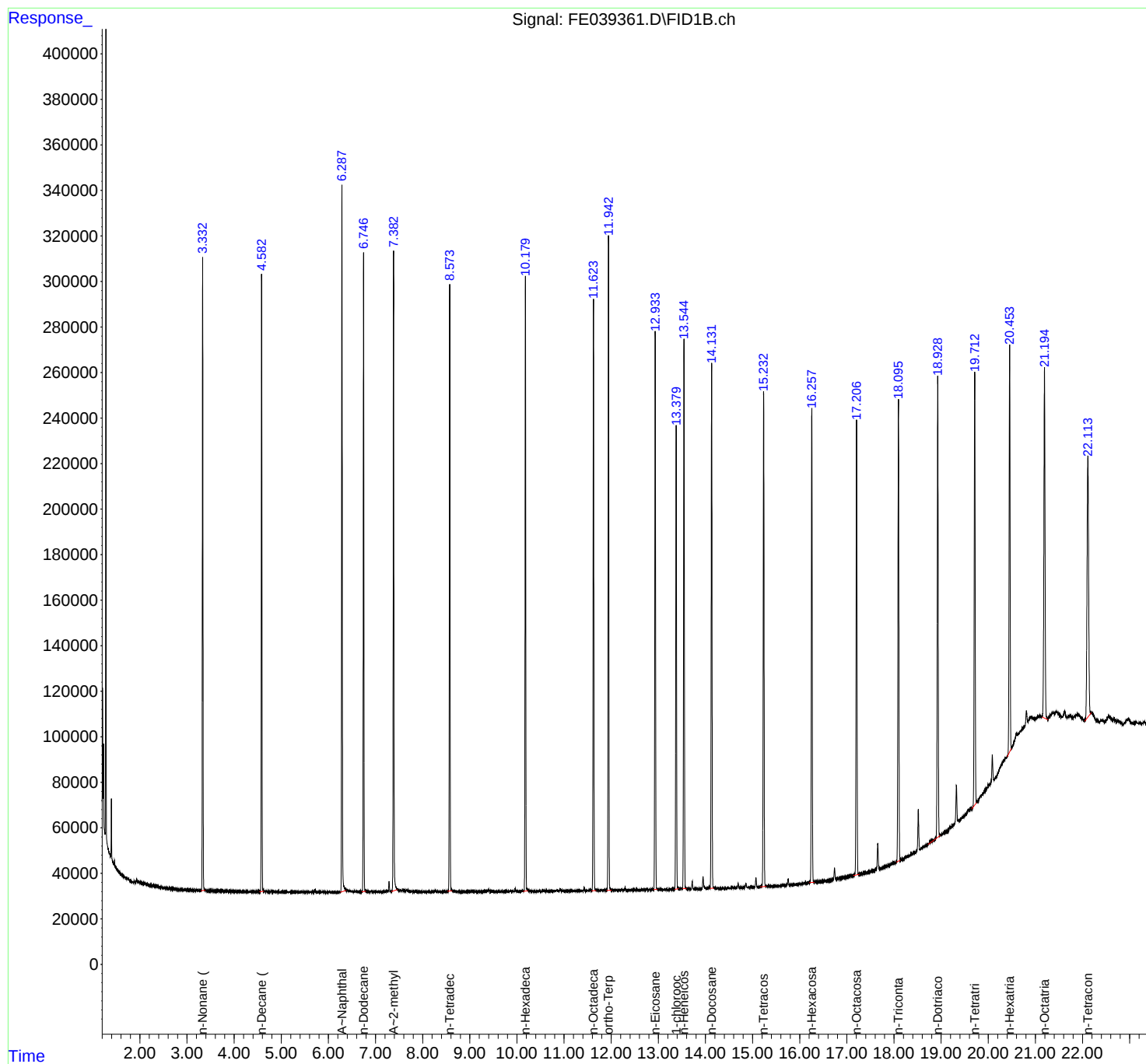
Instrument :
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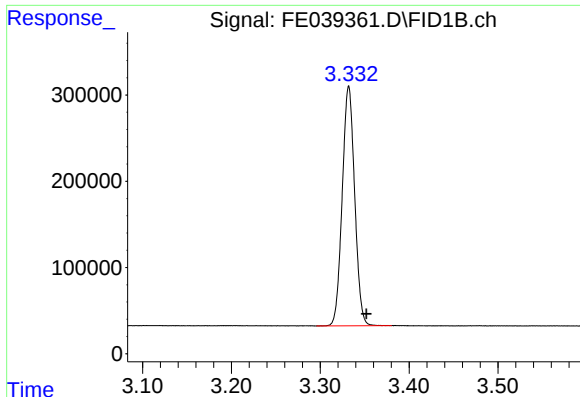
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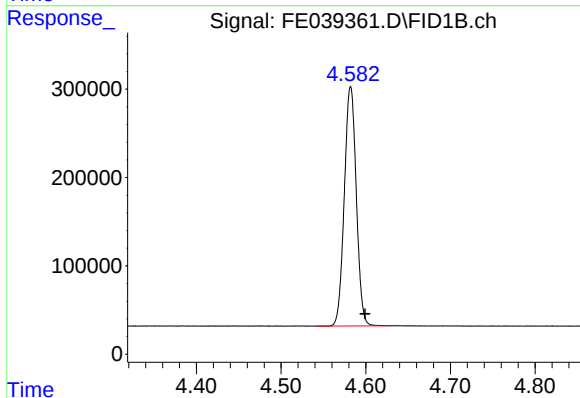
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.020 min
Response: 2704148
Conc: 19.08 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

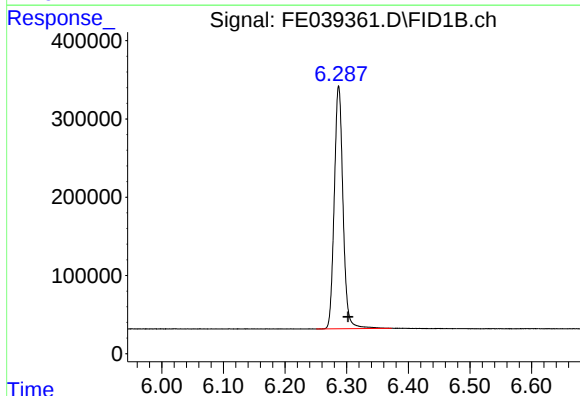
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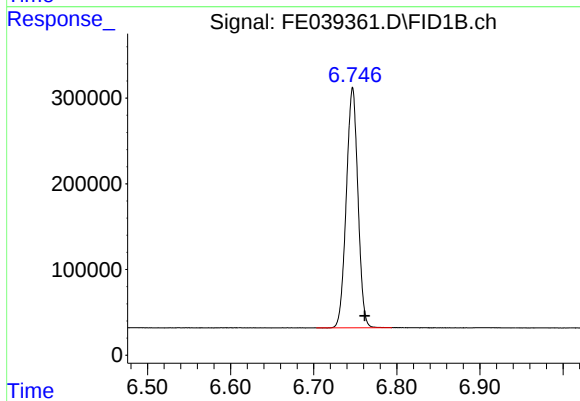
#2 n-Decane (C10)

R.T.: 4.582 min
Delta R.T.: -0.017 min
Response: 2664332
Conc: 19.12 ug/ml



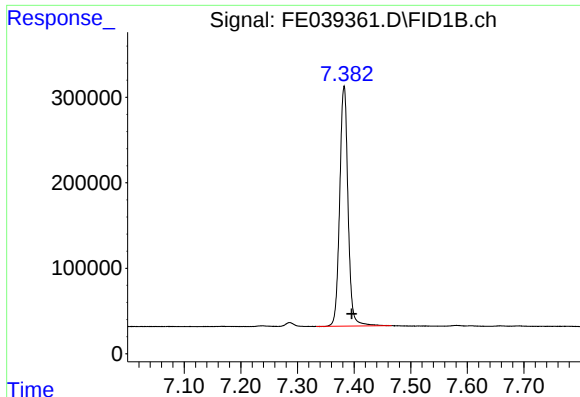
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.015 min
Response: 3058505
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.015 min
Response: 2727727
Conc: 19.35 ug/ml



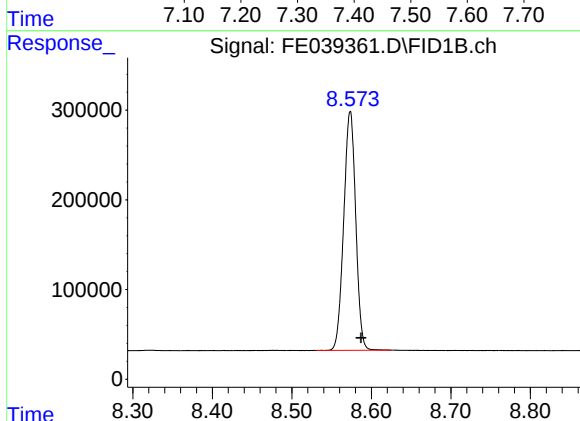
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.382 min
Delta R.T.: -0.013 min
Response: 2877567
Conc: 19.23 ug/ml

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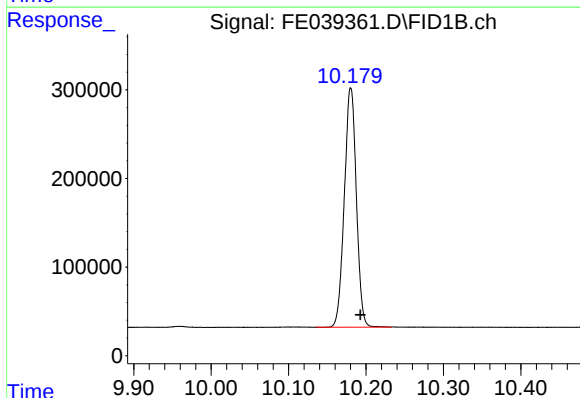
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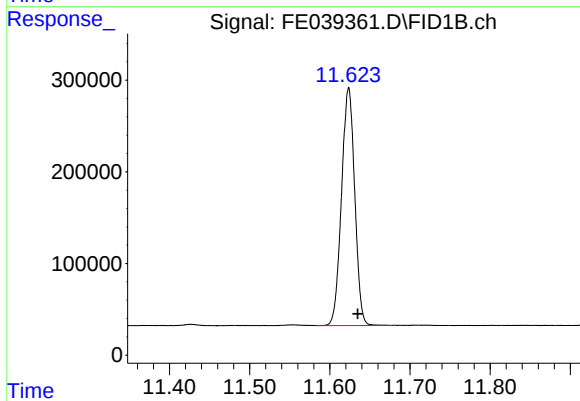
#6 n-Tetradecane (C14)

R.T.: 8.573 min
Delta R.T.: -0.014 min
Response: 2798200
Conc: 19.59 ug/ml



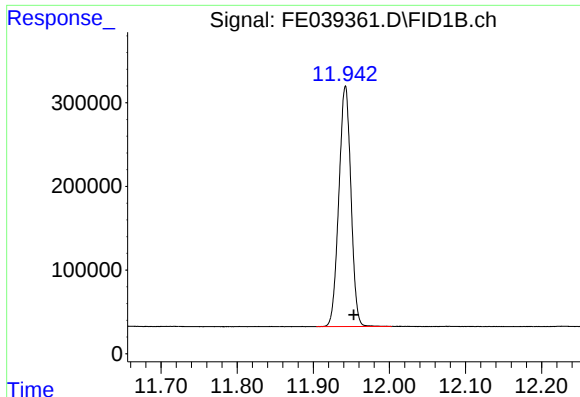
#7 n-Hexadecane (C16)

R.T.: 10.180 min
Delta R.T.: -0.012 min
Response: 2914261
Conc: 19.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.011 min
Response: 2970190
Conc: 20.18 ug/ml



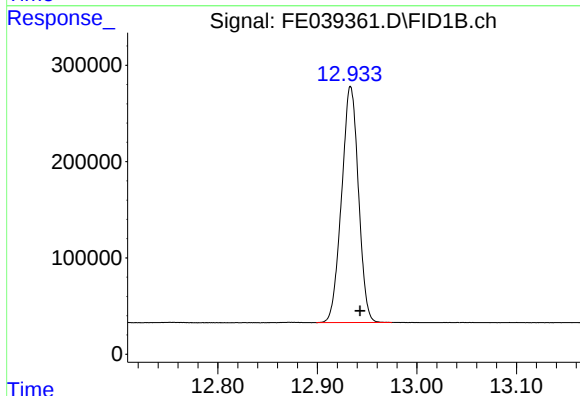
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.011 min
Response: 3166981
Conc: 20.24 ug/ml

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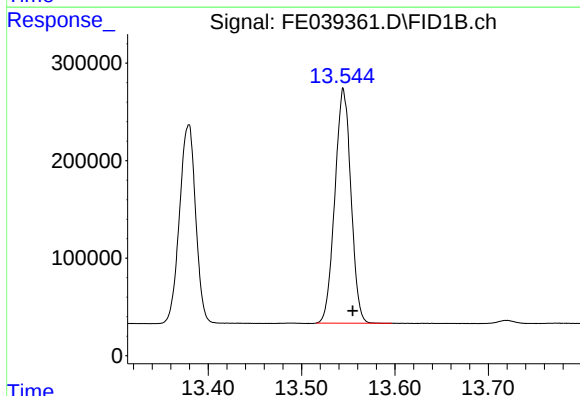
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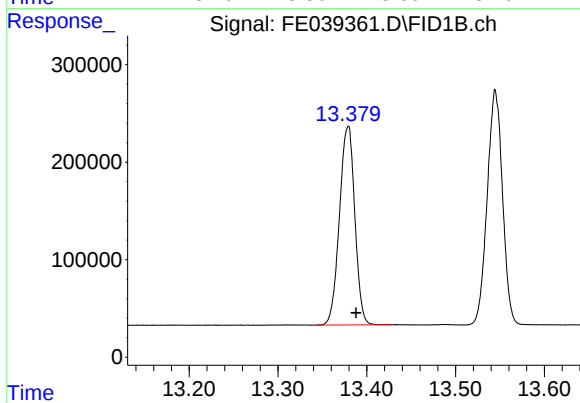
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.009 min
Response: 2881515
Conc: 20.30 ug/ml



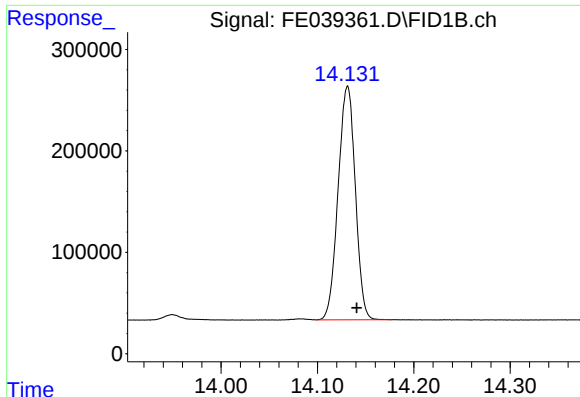
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.010 min
Response: 2877946
Conc: 20.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.009 min
Response: 2450501
Conc: 20.30 ug/ml



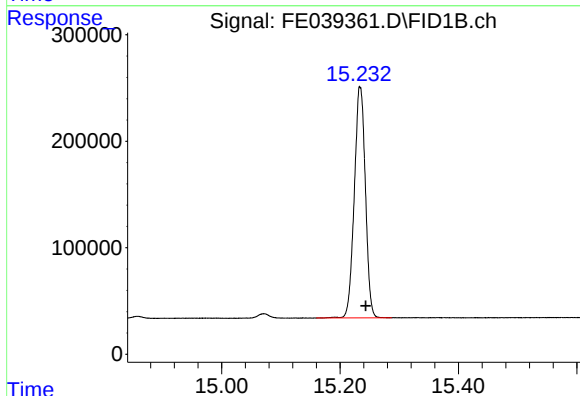
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.009 min
Response: 2850524
Conc: 20.39 ug/ml

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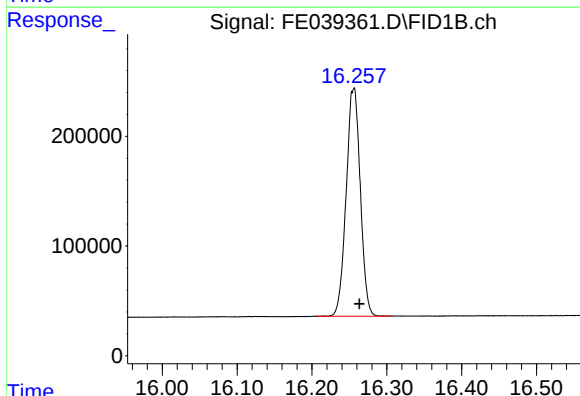
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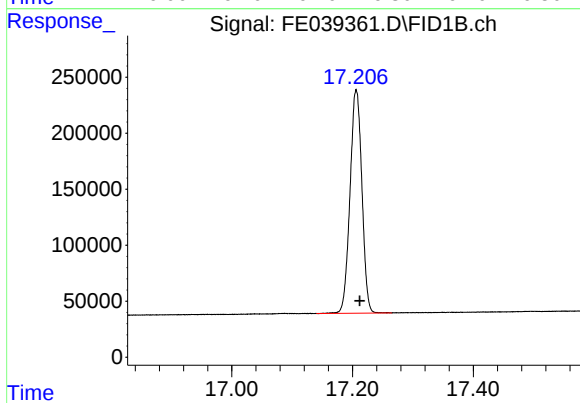
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: -0.010 min
Response: 2820293
Conc: 20.42 ug/ml



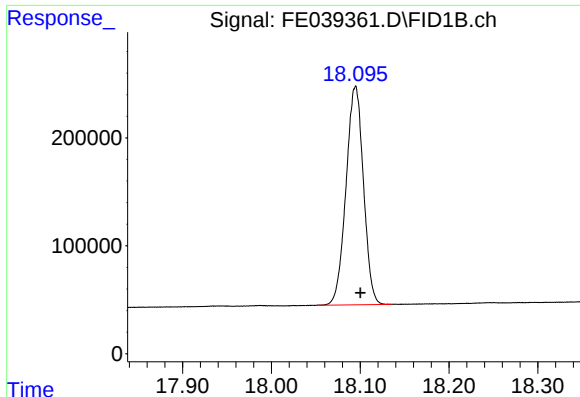
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: -0.008 min
Response: 2729175
Conc: 20.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.206 min
Delta R.T.: -0.006 min
Response: 2720732
Conc: 20.49 ug/ml



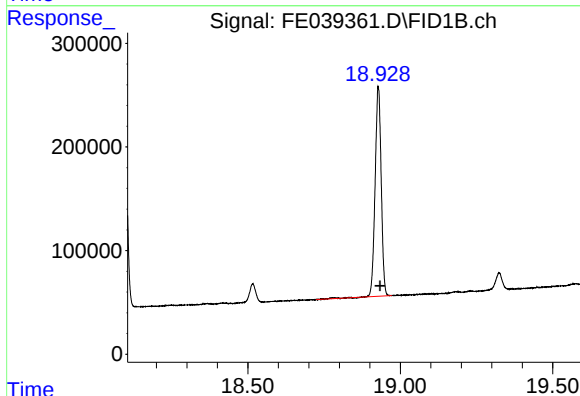
#17 n-Tricontane (C30)

R.T.: 18.095 min
Delta R.T.: -0.006 min
Response: 2761667
Conc: 20.91 ug/ml

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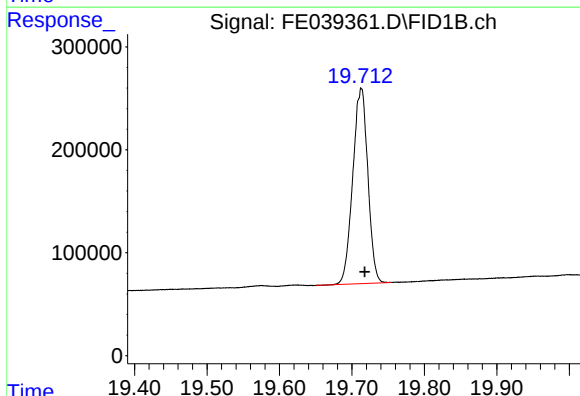
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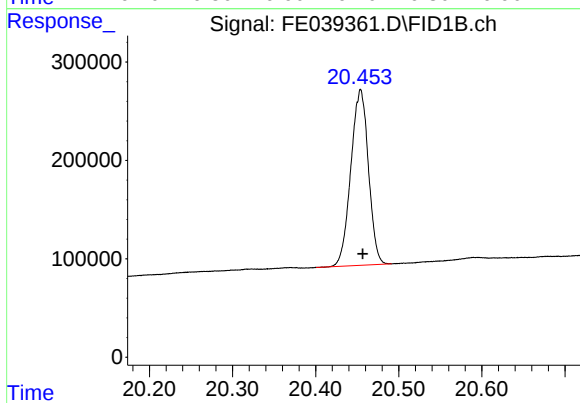
#18 n-Dotriacontane (C32)

R.T.: 18.928 min
Delta R.T.: -0.006 min
Response: 2824647
Conc: 21.18 ug/ml



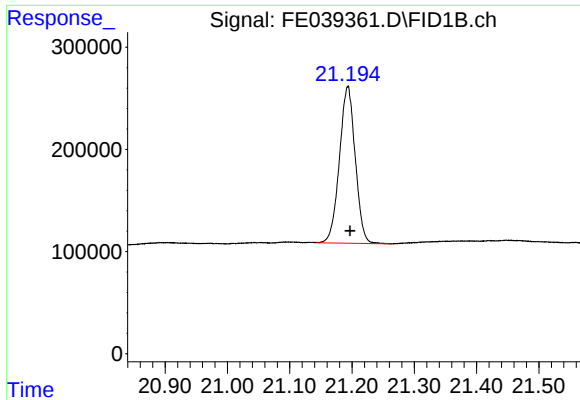
#19 n-Tetratriacontane (C34)

R.T.: 19.713 min
Delta R.T.: -0.005 min
Response: 2743953
Conc: 20.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.003 min
Response: 2624679
Conc: 20.43 ug/ml



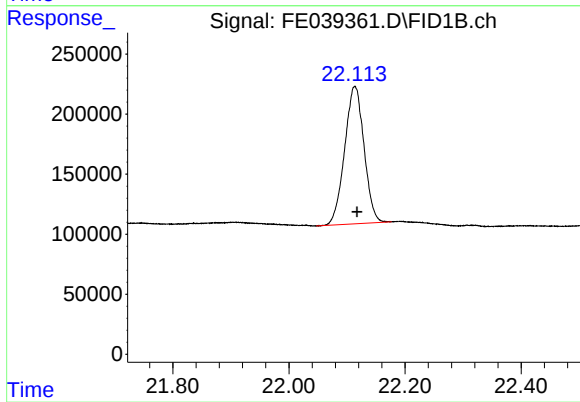
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.003 min
Response: 2706282
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.113 min
Delta R.T.: -0.004 min
Response: 2657009
Conc: 19.51 ug/ml