

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
 Data File : FE050208.D
 Signal(s) : FID1B.ch
 Acq On : 19 Sep 2024 12:03
 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 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 01:36:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.871	3031023	20.373 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
12) S 1-chlorooctadecane (S...	13.306	2289162	20.379 ug/ml
Spiked Amount 50.000		Recovery =	40.76%
Target Compounds			
1) T n-Nonane (C9)	3.259	2659057	19.617 ug/mlm
2) T n-Decane (C10)	4.510	2749214	19.920 ug/ml
3) T A~Naphthalene (C11.7)	6.219	2822860	20.168 ug/ml
4) T n-Dodecane (C12)	6.677	2770063	20.032 ug/ml
5) T A~2-methylnaphthalene...	7.315	2655016	20.200 ug/ml
6) T n-Tetradecane (C14)	8.504	2743831	20.150 ug/ml
7) T n-Hexadecane (C16)	10.110	2823754	20.329 ug/ml
8) T n-Octadecane (C18)	11.552	2851090	20.350 ug/ml
10) T n-Eicosane (C20)	12.860	2728744	20.342 ug/ml
11) T n-Heneicosane (C21)	13.471	2681314	20.406 ug/ml
13) T n-Docosane (C22)	14.057	2663868	20.457 ug/ml
14) T n-Tetracosane (C24)	15.158	2674368	20.479 ug/ml
15) T n-Hexacosane (C26)	16.178	2637992	20.619 ug/ml
16) T n-Octacosane (C28)	17.127	2722523	21.136 ug/ml
17) T n-Tricontane (C30)	18.013	2928568	21.901 ug/ml
18) T n-Dotriacontane (C32)	18.845	2989845	22.437 ug/ml
19) T n-Tetratriacontane (C34)	19.628	2738301	22.162 ug/ml
20) T n-Hexatriacontane (C36)	20.367	2457205	22.147 ug/ml
21) T n-Octatriacontane (C38)	21.093	2324807	21.081 ug/ml
22) T n-Tetracontane (C40)	21.983	2161875	19.867 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

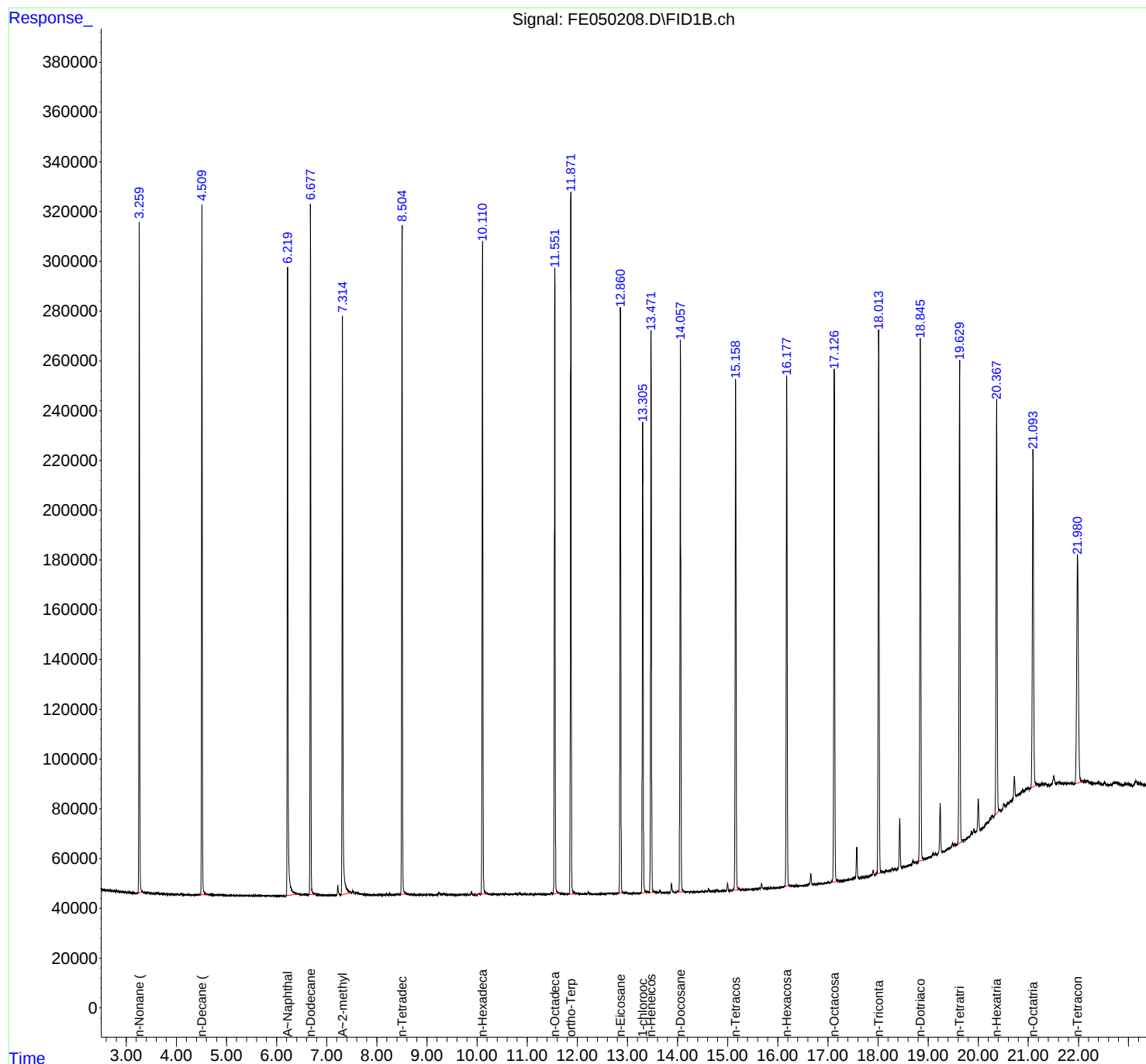
Instrument :
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20 PPM ALIPHATIC HC STD

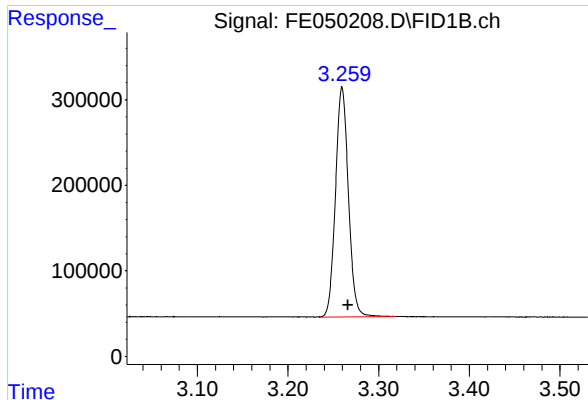
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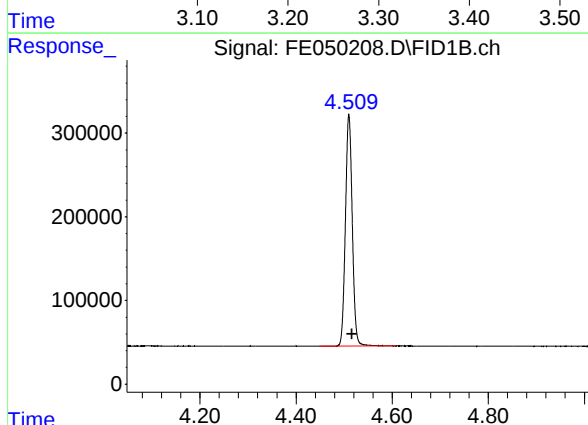
#1 n-Nonane (C9)

R.T.: 3.259 min
Delta R.T.: -0.007 min
Response: 2659057
Conc: 19.62 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

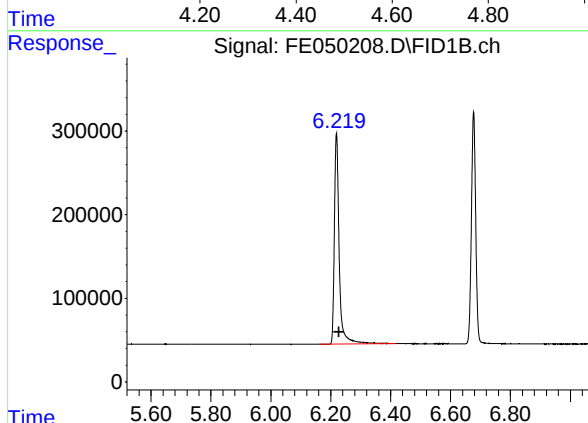
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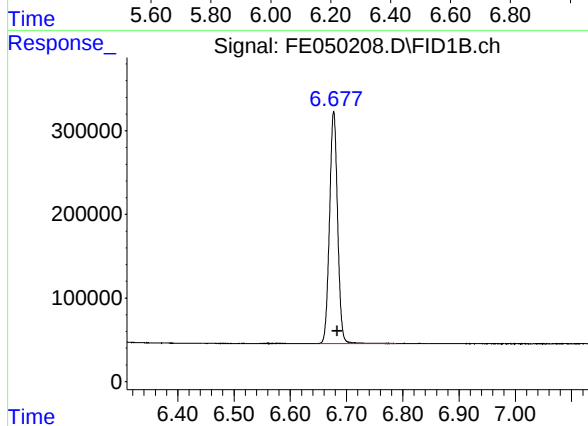
#2 n-Decane (C10)

R.T.: 4.510 min
Delta R.T.: -0.006 min
Response: 2749214
Conc: 19.92 ug/ml



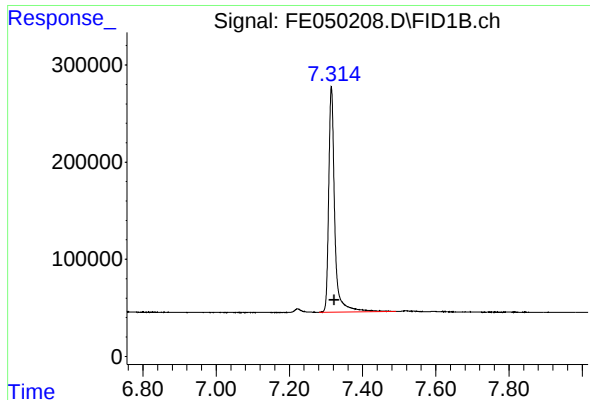
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: -0.008 min
Response: 2822860
Conc: 20.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.007 min
Response: 2770063
Conc: 20.03 ug/ml



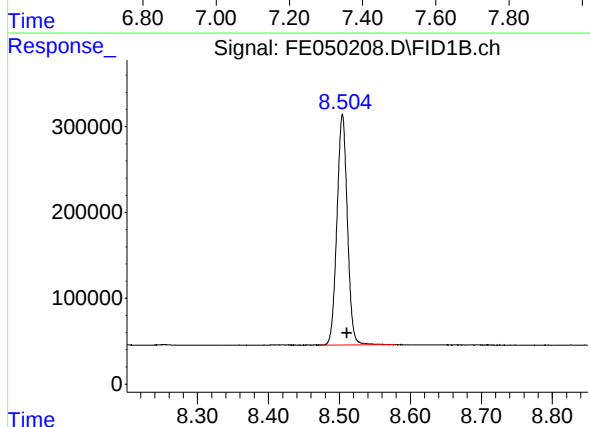
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.315 min
Delta R.T.: -0.008 min
Response: 2655016
Conc: 20.20 ug/ml

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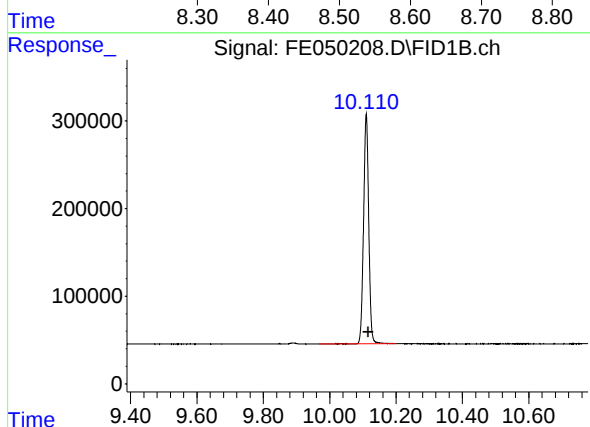
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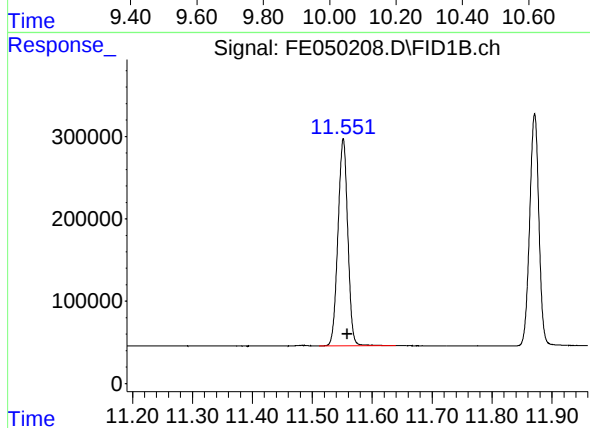
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: -0.006 min
Response: 2743831
Conc: 20.15 ug/ml



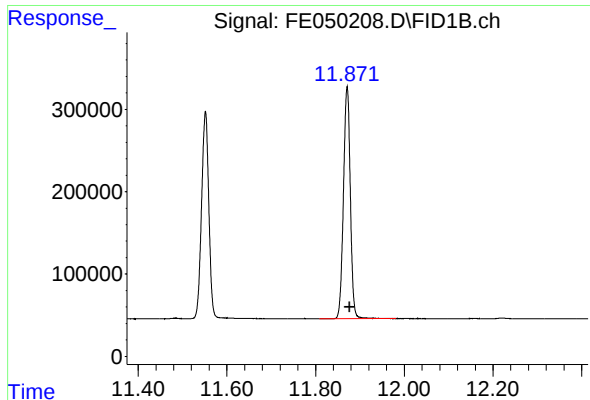
#7 n-Hexadecane (C16)

R.T.: 10.110 min
Delta R.T.: -0.007 min
Response: 2823754
Conc: 20.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.007 min
Response: 2851090
Conc: 20.35 ug/ml



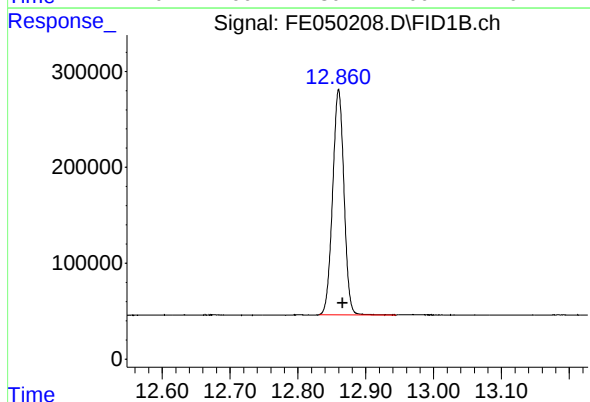
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.005 min
Response: 3031023
Conc: 20.37 ug/ml

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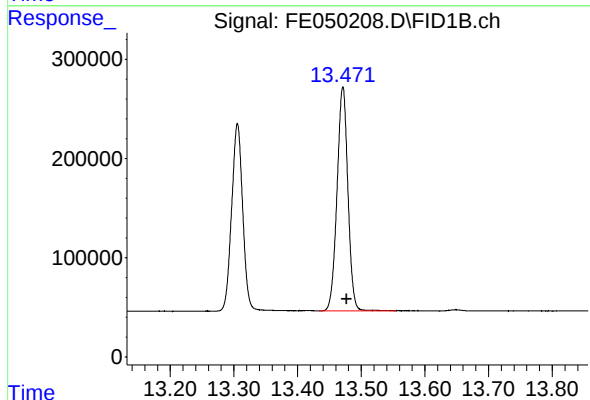
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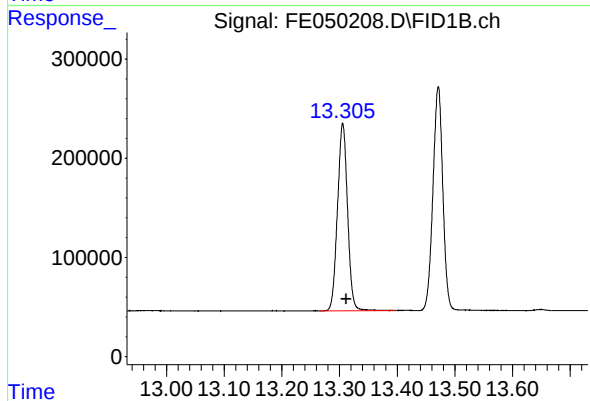
#10 n-Eicosane (C20)

R.T.: 12.860 min
Delta R.T.: -0.006 min
Response: 2728744
Conc: 20.34 ug/ml



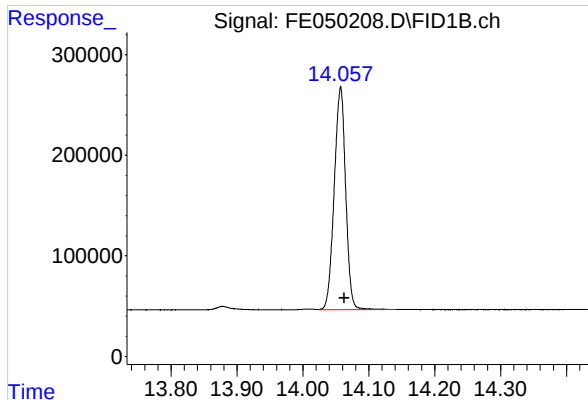
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: -0.006 min
Response: 2681314
Conc: 20.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: -0.006 min
Response: 2289162
Conc: 20.38 ug/ml



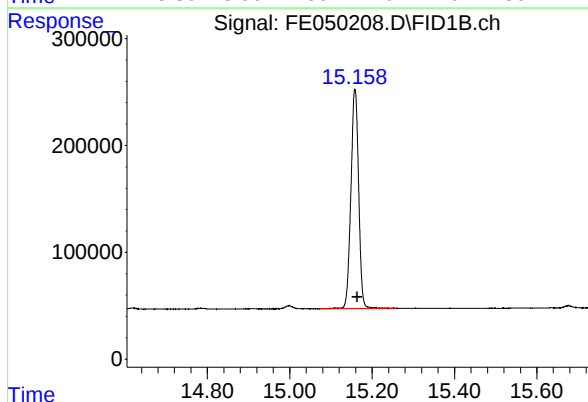
#13 n-Docosane (C22)

R.T.: 14.057 min
Delta R.T.: -0.006 min
Response: 2663868
Conc: 20.46 ug/ml

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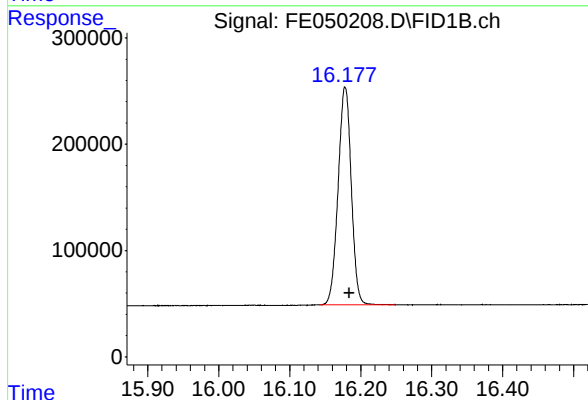
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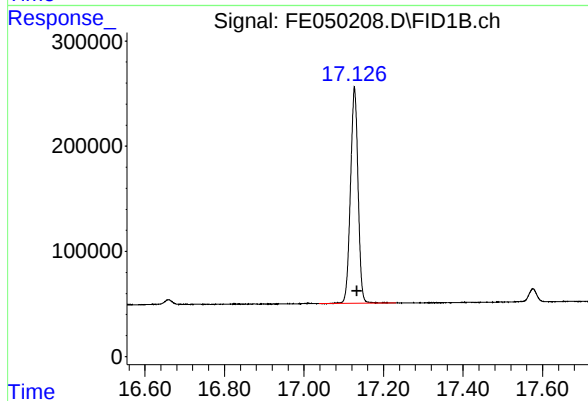
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: -0.006 min
Response: 2674368
Conc: 20.48 ug/ml



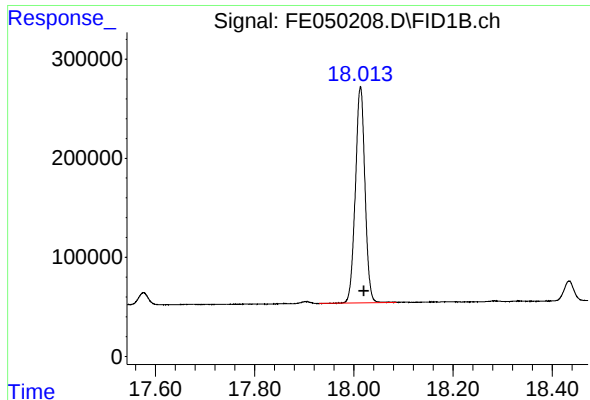
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: -0.006 min
Response: 2637992
Conc: 20.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.127 min
Delta R.T.: -0.006 min
Response: 2722523
Conc: 21.14 ug/ml



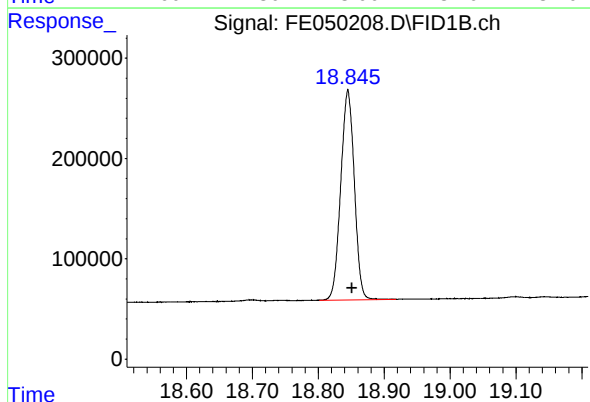
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.007 min
Response: 2928568
Conc: 21.90 ug/ml

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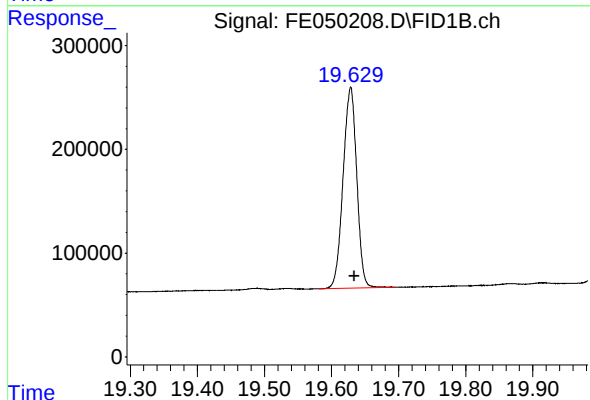
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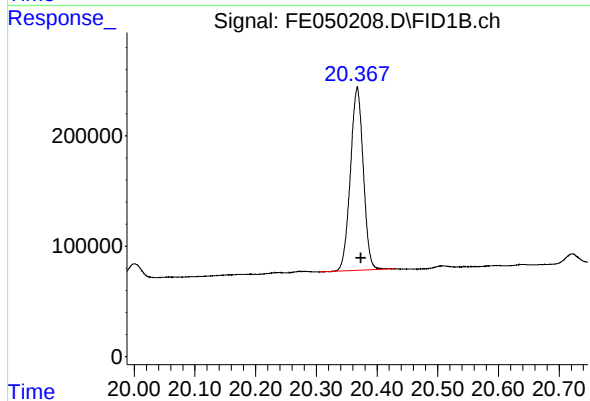
#18 n-Dotriacontane (C32)

R.T.: 18.845 min
Delta R.T.: -0.006 min
Response: 2989845
Conc: 22.44 ug/ml



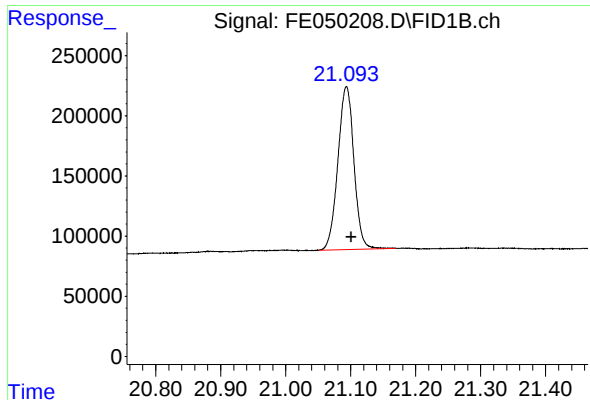
#19 n-Tetratriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.005 min
Response: 2738301
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.367 min
Delta R.T.: -0.006 min
Response: 2457205
Conc: 22.15 ug/ml



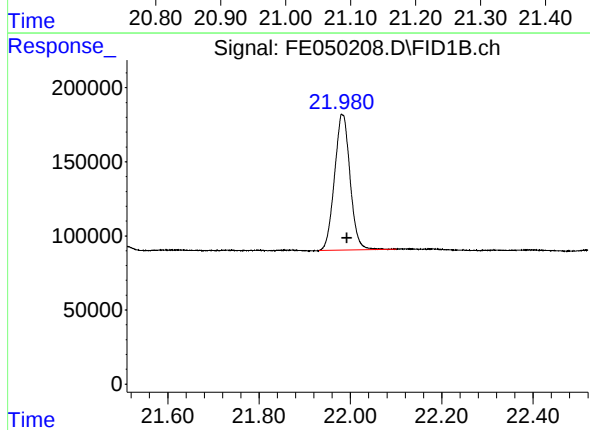
#21 n-Octatriacontane (C38)

R.T.: 21.093 min
Delta R.T.: -0.007 min
Response: 2324807
Conc: 21.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: -0.010 min
Response: 2161875
Conc: 19.87 ug/ml