

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
 Data File : FE050200.D
 Signal(s) : FID1B.ch
 Acq On : 19 Sep 2024 07:02
 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 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 01:35:03 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	2964585	19.926 ug/ml
Spiked Amount 50.000		Recovery =	39.85%
12) S 1-chlorooctadecane (S...	13.305	2256410	20.088 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T n-Nonane (C9)	3.259	2654828	19.586 ug/mlm
2) T n-Decane (C10)	4.511	2744934	19.889 ug/ml
3) T A~Naphthalene (C11.7)	6.220	2803795	20.032 ug/ml
4) T n-Dodecane (C12)	6.678	2737700	19.798 ug/ml
5) T A~2-methylnaphthalene...	7.316	2623368	19.959 ug/ml
6) T n-Tetradecane (C14)	8.505	2713257	19.925 ug/ml
7) T n-Hexadecane (C16)	10.111	2787430	20.067 ug/ml
8) T n-Octadecane (C18)	11.552	2804279	20.016 ug/ml
10) T n-Eicosane (C20)	12.860	2682483	19.997 ug/ml
11) T n-Heneicosane (C21)	13.471	2633084	20.039 ug/ml
13) T n-Docosane (C22)	14.057	2630451	20.200 ug/ml
14) T n-Tetracosane (C24)	15.159	2675335	20.486 ug/ml
15) T n-Hexacosane (C26)	16.180	2641546	20.647 ug/ml
16) T n-Octacosane (C28)	17.127	2722058	21.132 ug/ml
17) T n-Tricontane (C30)	18.014	2955582	22.103 ug/ml
18) T n-Dotriacontane (C32)	18.846	2981718	22.376 ug/ml
19) T n-Tetratriacontane (C34)	19.628	2734199	22.128 ug/ml
20) T n-Hexatriacontane (C36)	20.367	2393789	21.575 ug/ml
21) T n-Octatriacontane (C38)	21.093	2276801	20.646 ug/ml
22) T n-Tetracontane (C40)	21.982	2137636	19.645 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

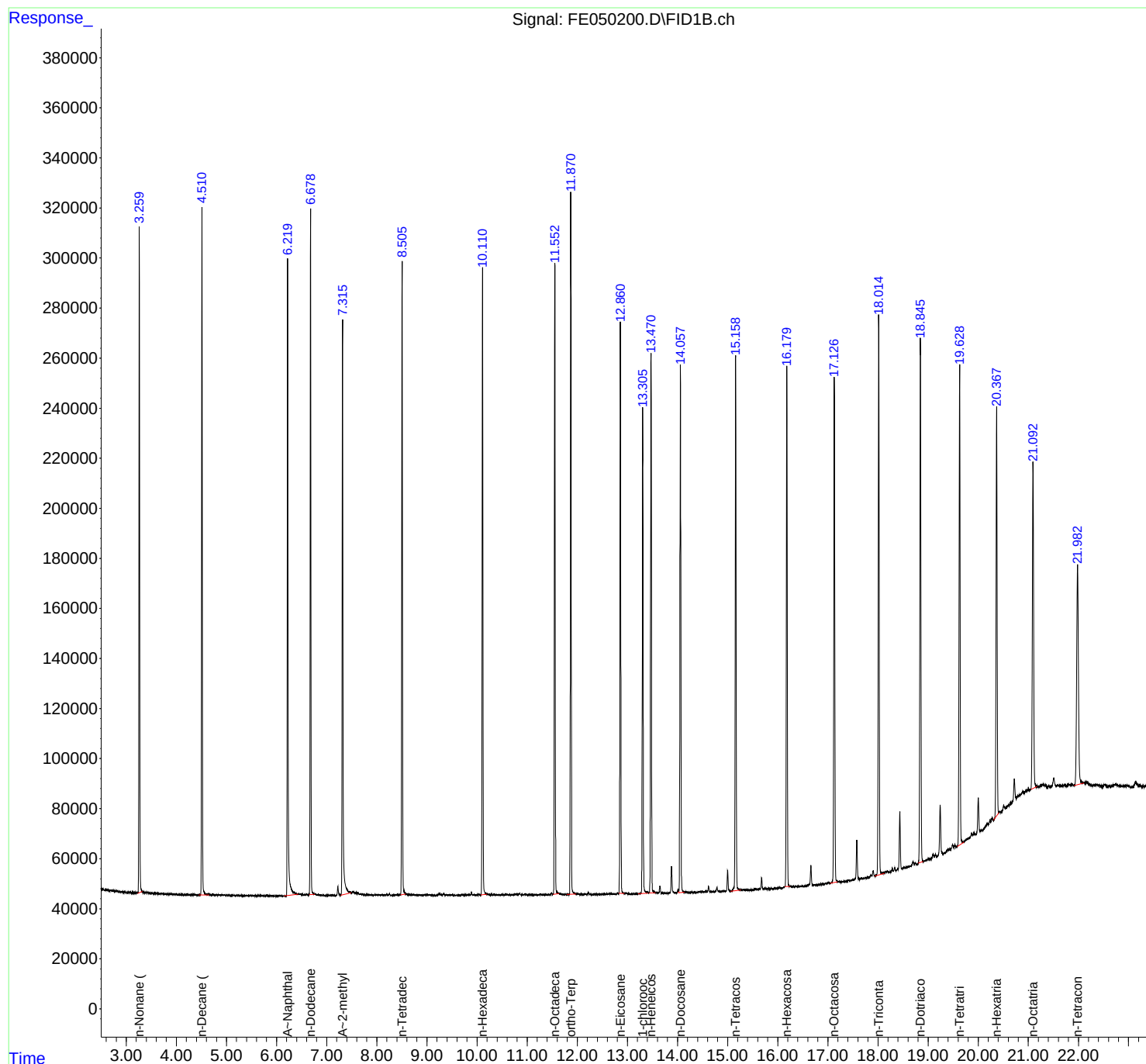
Instrument :
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20 PPM ALIPHATIC HC STD

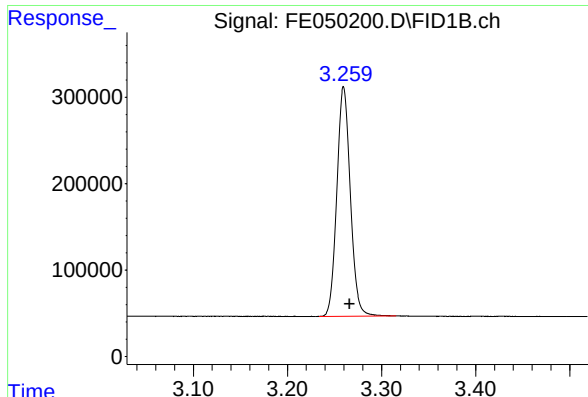
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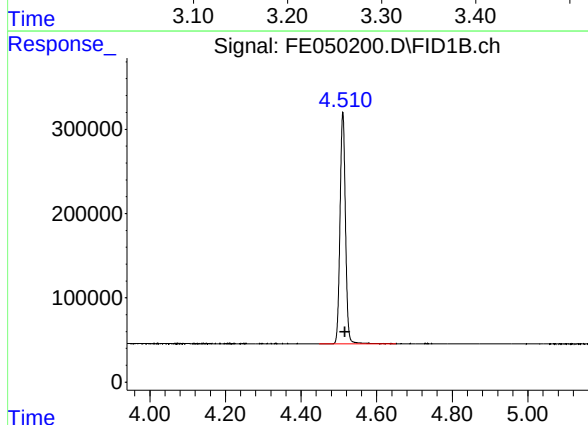
#1 n-Nonane (C9)

R.T.: 3.259 min
Delta R.T.: -0.007 min
Response: 2654828
Conc: 19.59 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

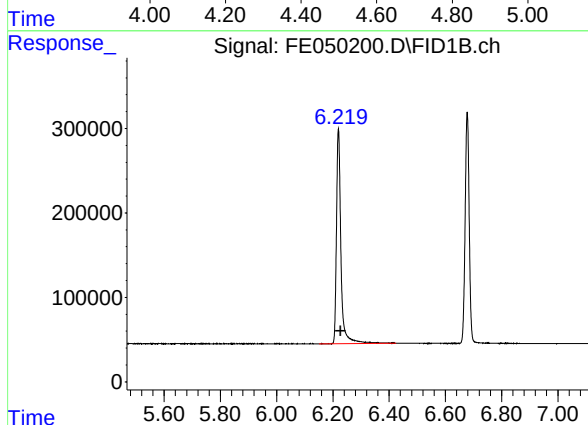
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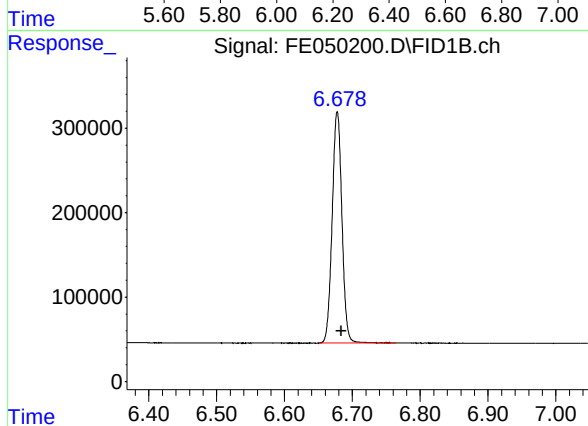
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.006 min
Response: 2744934
Conc: 19.89 ug/ml



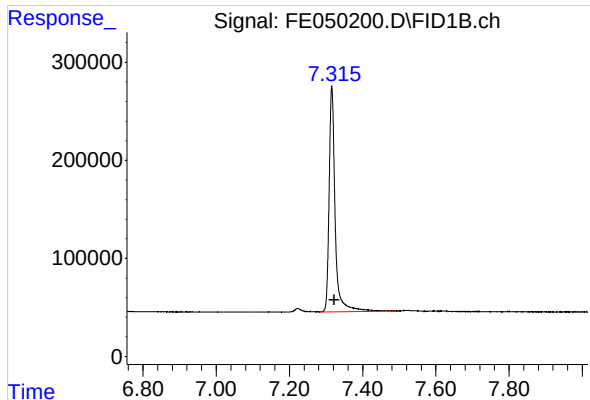
#3 A~Naphthalene (C11.7)

R.T.: 6.220 min
Delta R.T.: -0.007 min
Response: 2803795
Conc: 20.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: -0.006 min
Response: 2737700
Conc: 19.80 ug/ml



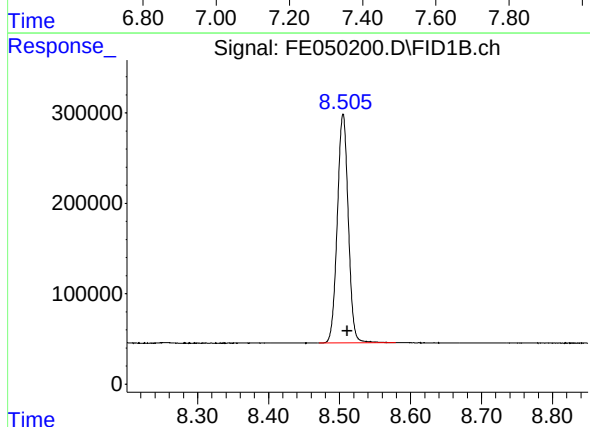
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.316 min
Delta R.T.: -0.007 min
Response: 2623368
Conc: 19.96 ug/ml

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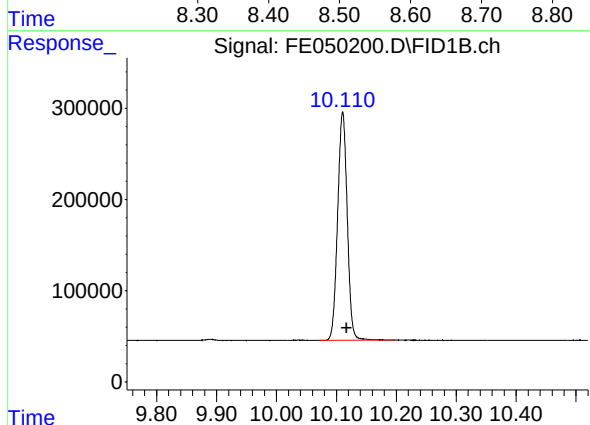
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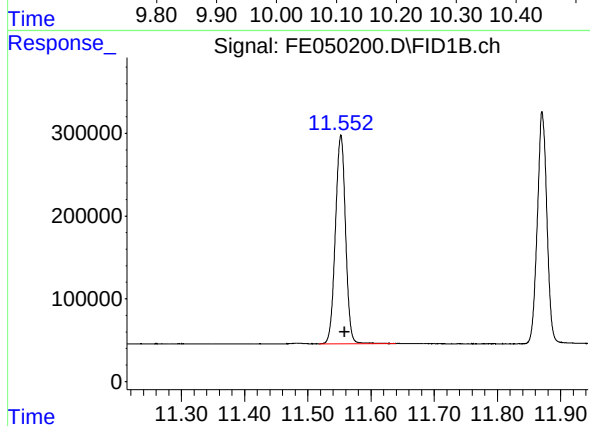
#6 n-Tetradecane (C14)

R.T.: 8.505 min
Delta R.T.: -0.006 min
Response: 2713257
Conc: 19.93 ug/ml



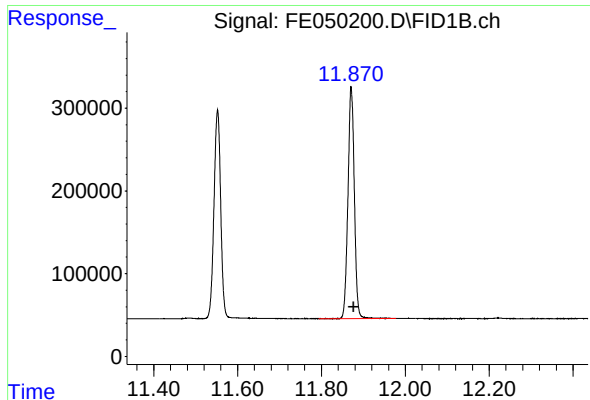
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: -0.006 min
Response: 2787430
Conc: 20.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.006 min
Response: 2804279
Conc: 20.02 ug/ml



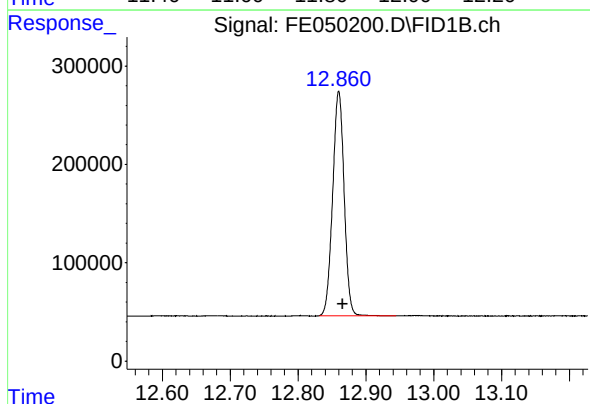
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.005 min
Response: 2964585
Conc: 19.93 ug/ml

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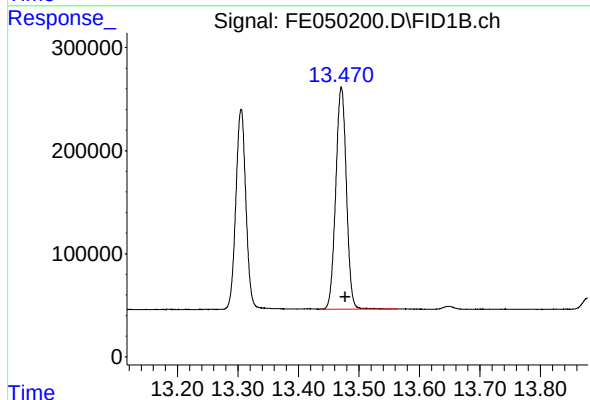
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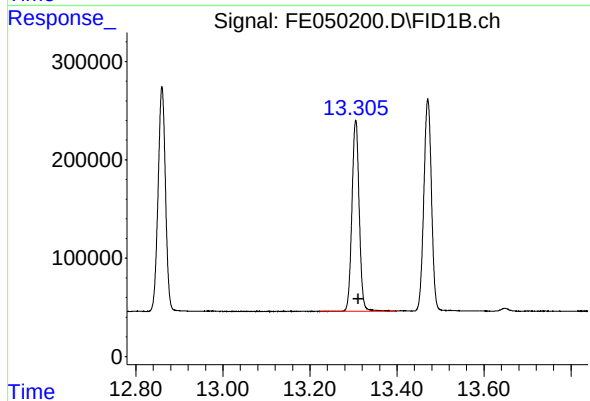
#10 n-Eicosane (C20)

R.T.: 12.860 min
Delta R.T.: -0.006 min
Response: 2682483
Conc: 20.00 ug/ml



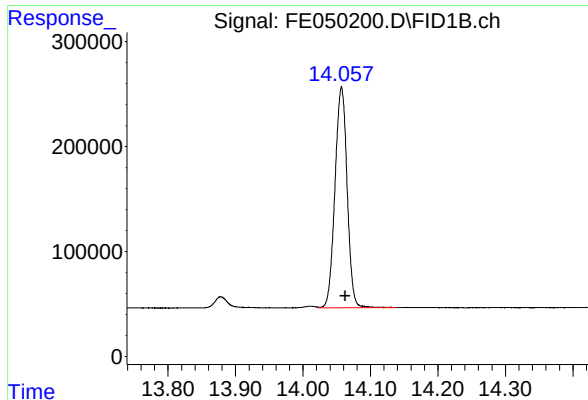
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: -0.006 min
Response: 2633084
Conc: 20.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.006 min
Response: 2256410
Conc: 20.09 ug/ml



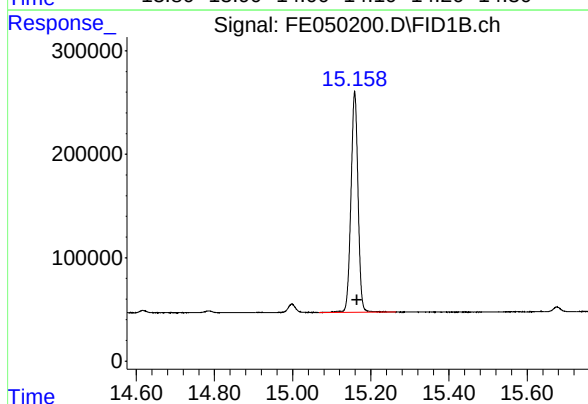
#13 n-Docosane (C22)

R.T.: 14.057 min
Delta R.T.: -0.006 min
Response: 2630451
Conc: 20.20 ug/ml

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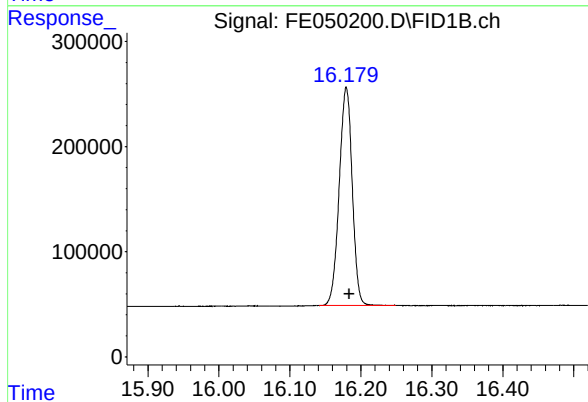
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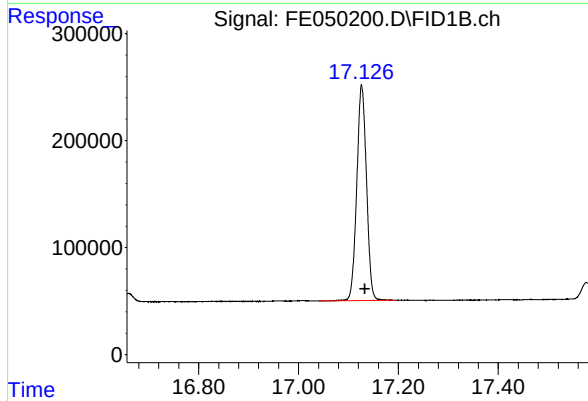
#14 n-Tetracosane (C24)

R.T.: 15.159 min
Delta R.T.: -0.006 min
Response: 2675335
Conc: 20.49 ug/ml



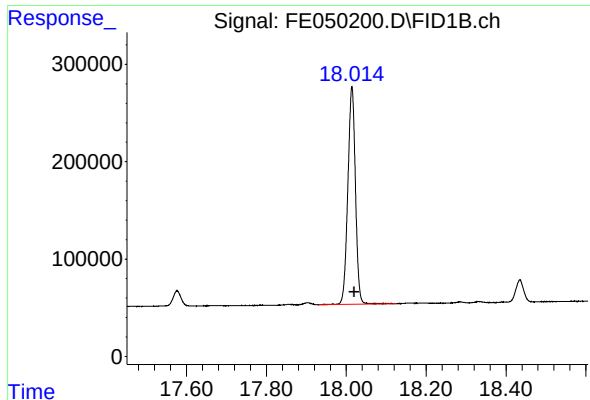
#15 n-Hexacosane (C26)

R.T.: 16.180 min
Delta R.T.: -0.004 min
Response: 2641546
Conc: 20.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.127 min
Delta R.T.: -0.007 min
Response: 2722058
Conc: 21.13 ug/ml



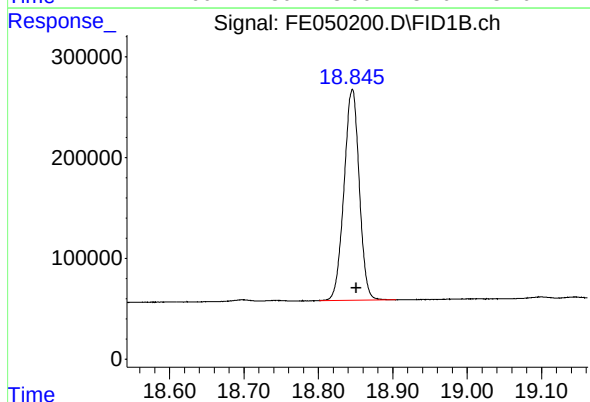
#17 n-Tricontane (C30)

R.T.: 18.014 min
Delta R.T.: -0.006 min
Response: 2955582
Conc: 22.10 ug/ml

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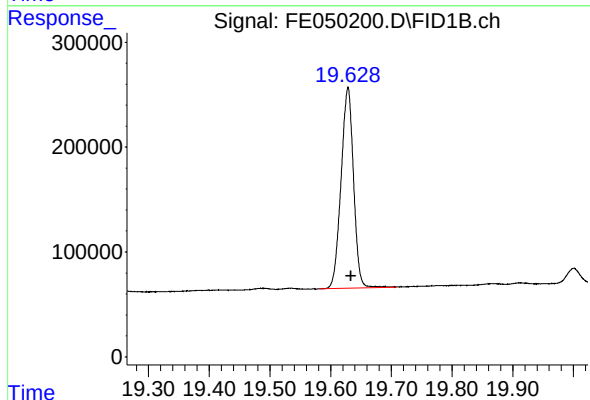
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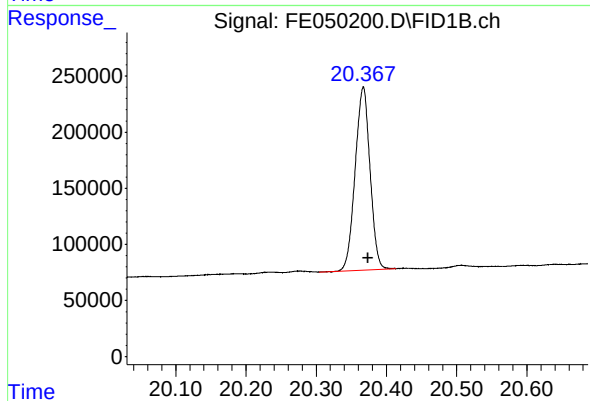
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.006 min
Response: 2981718
Conc: 22.38 ug/ml



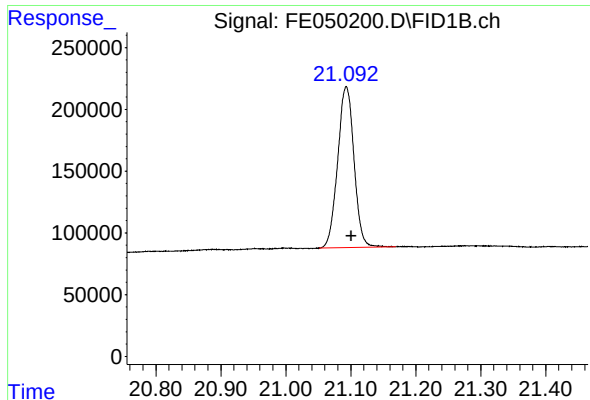
#19 n-Tetratriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.005 min
Response: 2734199
Conc: 22.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.367 min
Delta R.T.: -0.007 min
Response: 2393789
Conc: 21.58 ug/ml



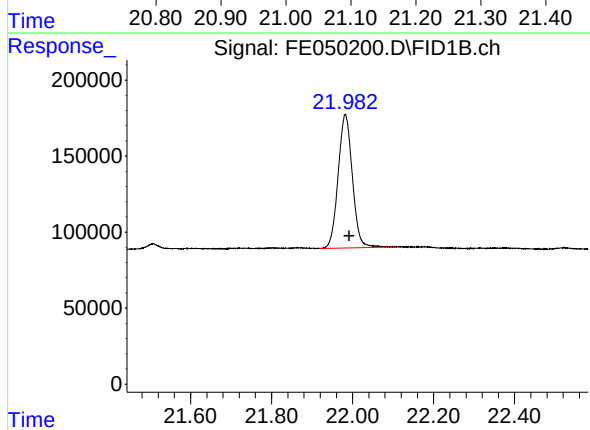
#21 n-Octatriacontane (C38)

R.T.: 21.093 min
Delta R.T.: -0.008 min
Response: 2276801
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.982 min
Delta R.T.: -0.010 min
Response: 2137636
Conc: 19.64 ug/ml m