

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062624AL\
 Data File : FE048906.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2024 08:50
 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

Integration File: autoint1.e
 Quant Time: Jun 27 09:16:04 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

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 Jodhani

Compound	R.T.	Response	Conc Units
-----06/27/2024			
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.942	3156801	18.879 ug/ml
Spiked Amount 50.000		Recovery =	37.76%
12) S 1-chlorooctadecane (S...	13.376	2415244	18.783 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
Target Compounds			
1) T n-Nonane (C9)	3.324	3022275	20.103 ug/ml
2) T n-Decane (C10)	4.573	3077053	19.995 ug/ml
3) T A~Naphthalene (C11.7)	6.282	3169364	19.964 ug/ml
4) T n-Dodecane (C12)	6.740	3064262	19.850 ug/ml
5) T A~2-methylnaphthalene...	7.379	3004267	19.838 ug/ml
6) T n-Tetradecane (C14)	8.570	2998085	19.562 ug/ml
7) T n-Hexadecane (C16)	10.178	3085238	19.732 ug/ml
8) T n-Octadecane (C18)	11.621	3074660	19.278 ug/ml
10) T n-Eicosane (C20)	12.931	2923774	18.859 ug/ml
11) T n-Heneicosane (C21)	13.542	2858371	18.772 ug/ml
13) T n-Docosane (C22)	14.129	2818303	18.635 ug/ml
14) T n-Tetracosane (C24)	15.231	2803612	18.656 ug/ml
15) T n-Hexacosane (C26)	16.252	2743447	18.583 ug/ml
16) T n-Octacosane (C28)	17.203	2795999	19.388 ug/ml
17) T n-Tricontane (C30)	18.089	2896437	19.798 ug/ml
18) T n-Dotriacontane (C32)	18.922	2929225	20.487 ug/mlm
19) T n-Tetratriacontane (C34)	19.706	2818231	20.367 ug/mlm
20) T n-Hexatriacontane (C36)	20.447	2638782	20.304 ug/mlm
21) T n-Octatriacontane (C38)	21.183	2662967	20.773 ug/mlm
22) T n-Tetracontane (C40)	22.104	2931995	23.943 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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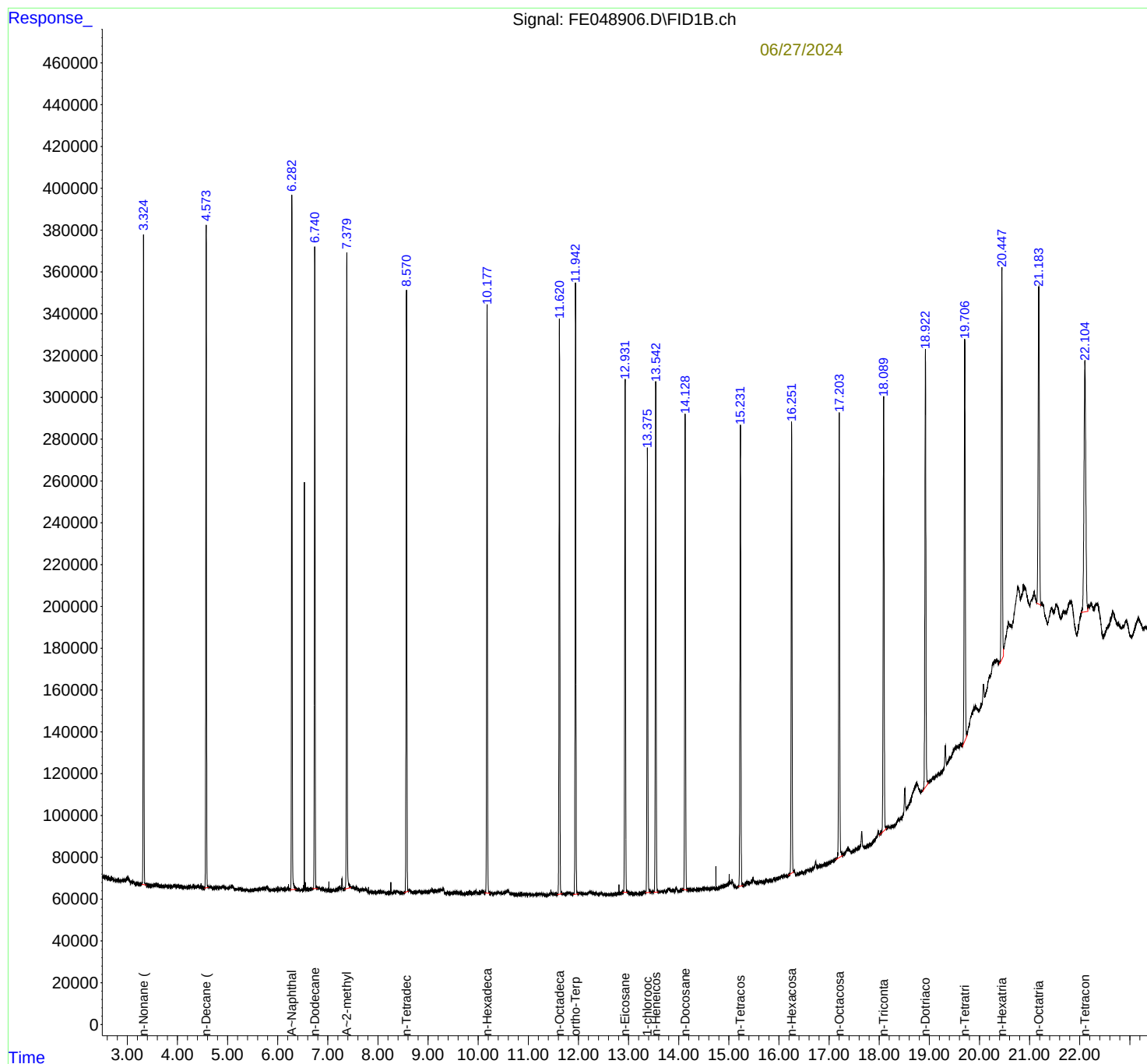
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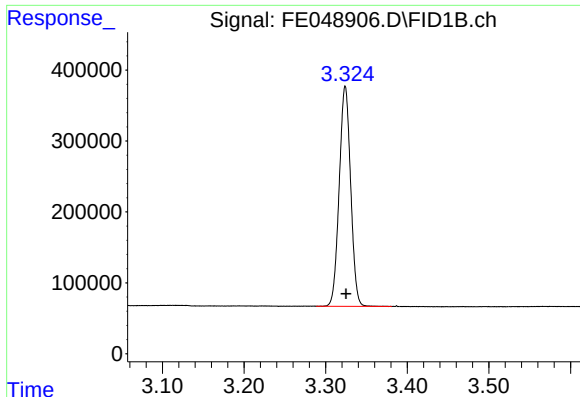
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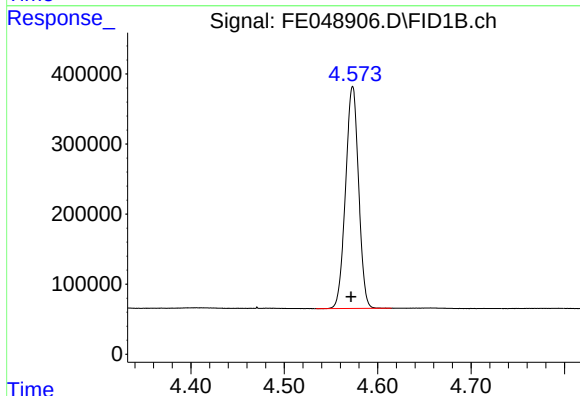
#1 n-Nonane (C9)

R.T.: 3.324 min
Delta R.T.: 0.000 min
Response: 3022275
Conc: 20.10 ug/ml

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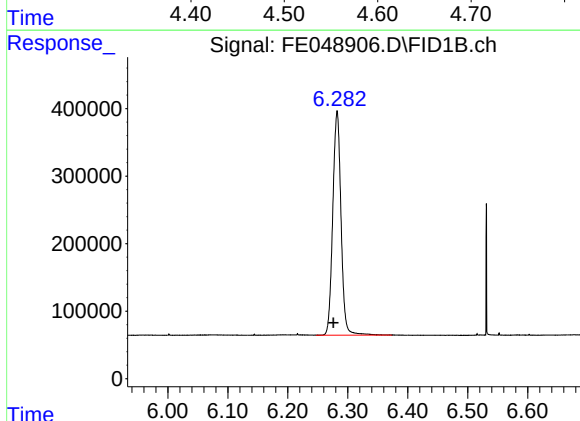


#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: 0.002 min
Response: 3077053
Conc: 20.00 ug/ml

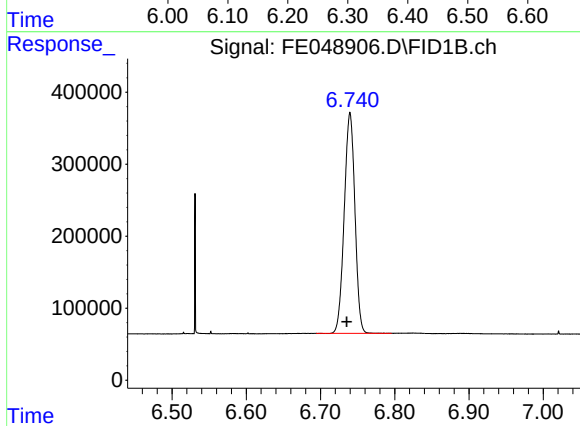
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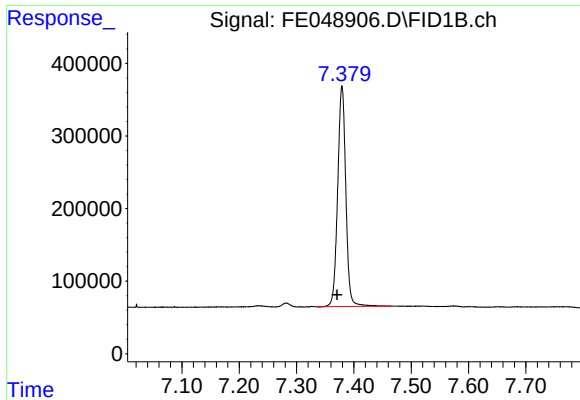
#3 A~Naphthalene (C11.7)

R.T.: 6.282 min
Delta R.T.: 0.006 min
Response: 3169364
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.740 min
Delta R.T.: 0.005 min
Response: 3064262
Conc: 19.85 ug/ml



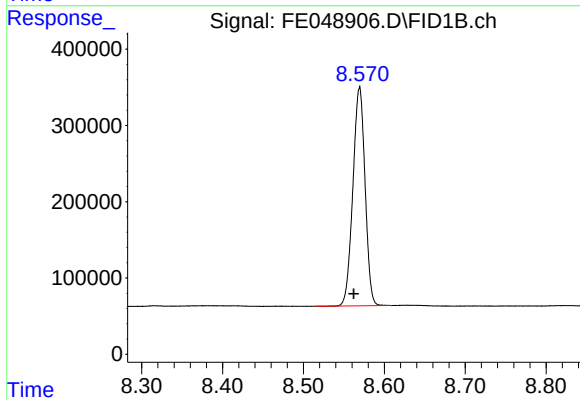
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.379 min
Delta R.T.: 0.009 min
Response: 3004267
Conc: 19.84 ug/ml

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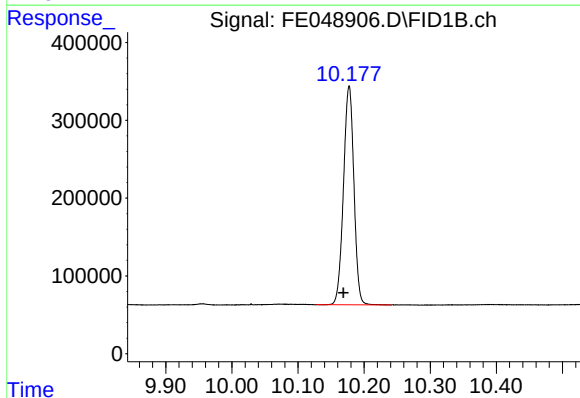


#6 n-Tetradecane (C14)

R.T.: 8.570 min
Delta R.T.: 0.007 min
Response: 2998085
Conc: 19.56 ug/ml

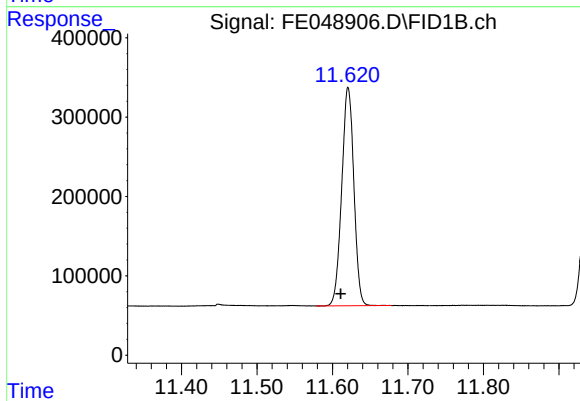
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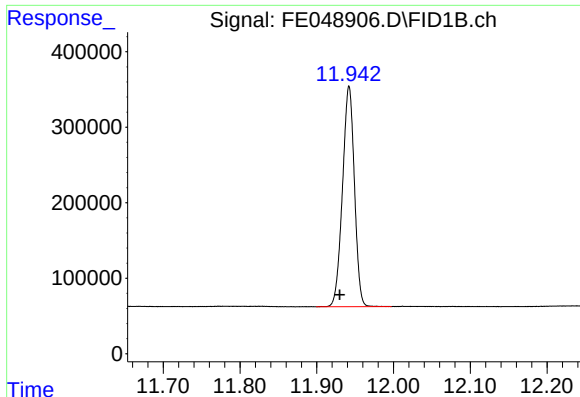
#7 n-Hexadecane (C16)

R.T.: 10.178 min
Delta R.T.: 0.009 min
Response: 3085238
Conc: 19.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.621 min
Delta R.T.: 0.010 min
Response: 3074660
Conc: 19.28 ug/ml



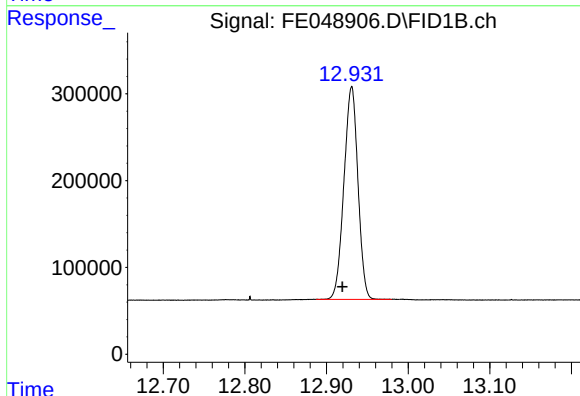
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.012 min
Response: 3156801
Conc: 18.88 ug/ml

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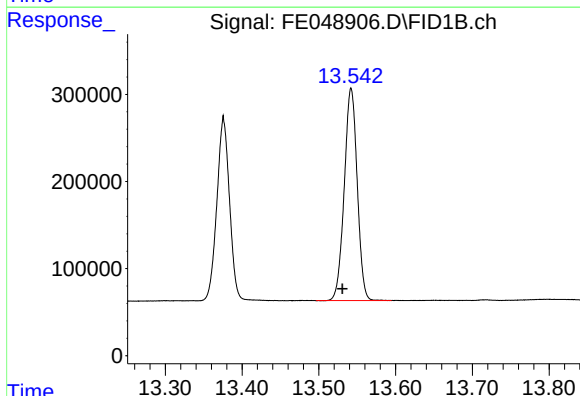


#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: 0.011 min
Response: 2923774
Conc: 18.86 ug/ml

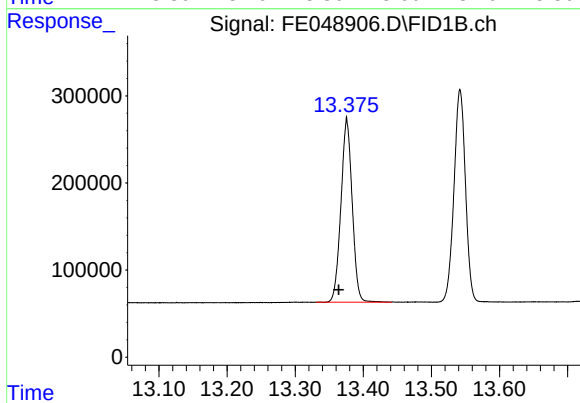
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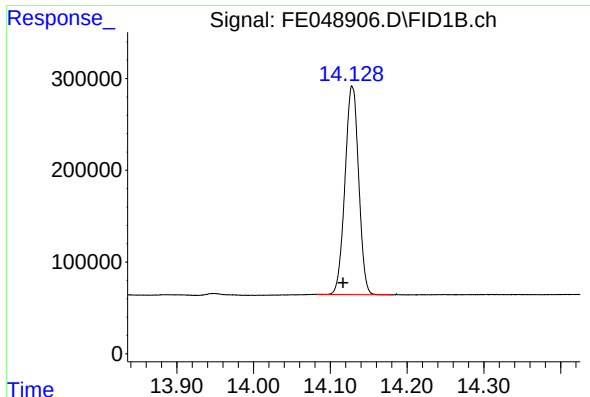
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: 0.011 min
Response: 2858371
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.376 min
Delta R.T.: 0.012 min
Response: 2415244
Conc: 18.78 ug/ml



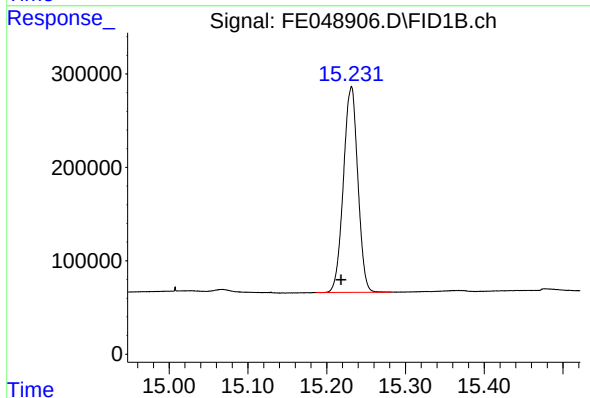
#13 n-Docosane (C22)

R.T.: 14.129 min
Delta R.T.: 0.012 min
Response: 2818303
Conc: 18.64 ug/ml

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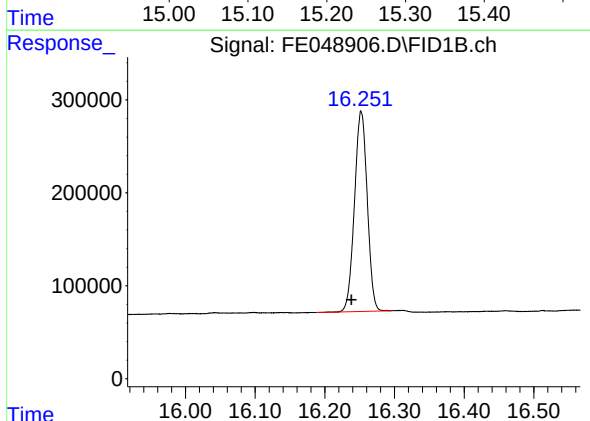


#14 n-Tetracosane (C24)

R.T.: 15.231 min
Delta R.T.: 0.013 min
Response: 2803612
Conc: 18.66 ug/ml

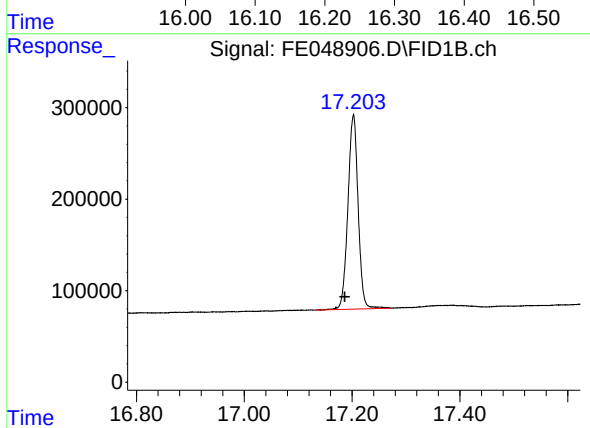
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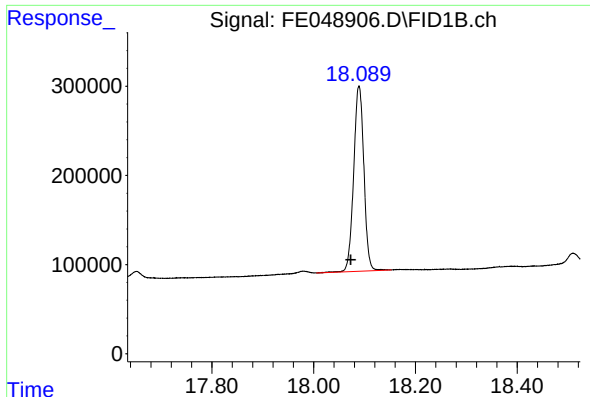
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: 0.014 min
Response: 2743447
Conc: 18.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: 0.016 min
Response: 2795999
Conc: 19.39 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: 0.016 min
Response: 2896437
Conc: 19.80 ug/ml

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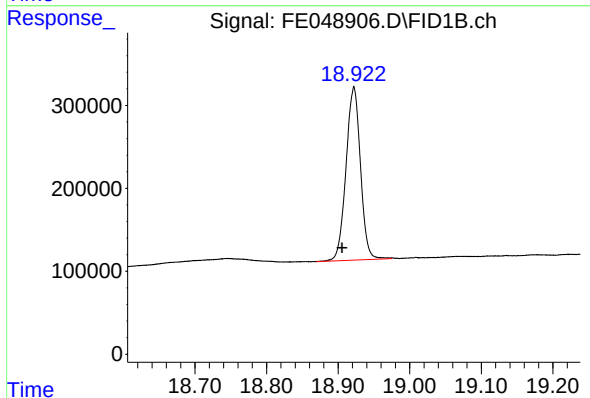
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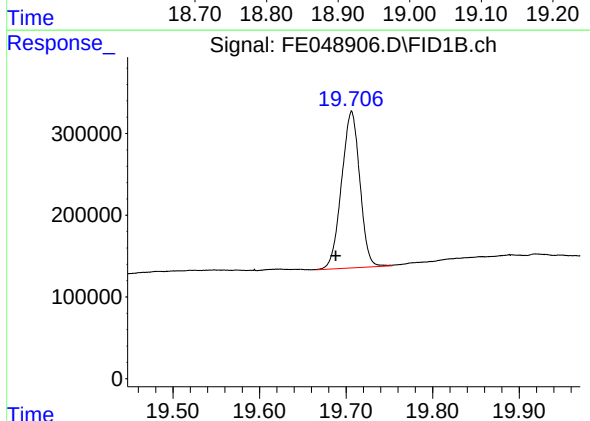
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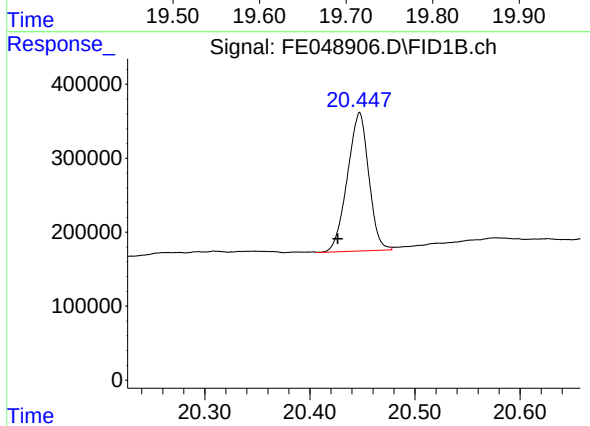
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.016 min
Response: 2929225
Conc: 20.49 ug/ml m



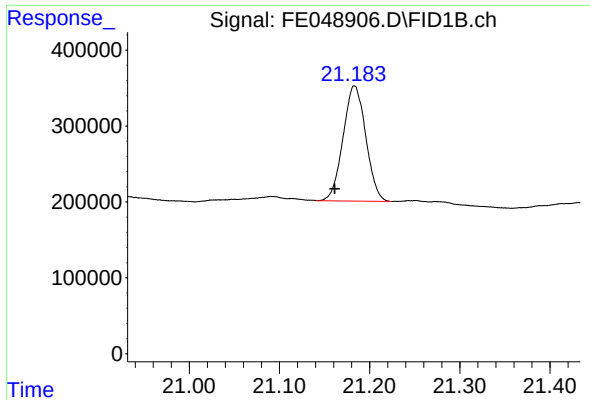
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.018 min
Response: 2818231
Conc: 20.37 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: 0.021 min
Response: 2638782
Conc: 20.30 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.183 min
Delta R.T.: 0.021 min
Response: 2662967
Conc: 20.77 ug/ml

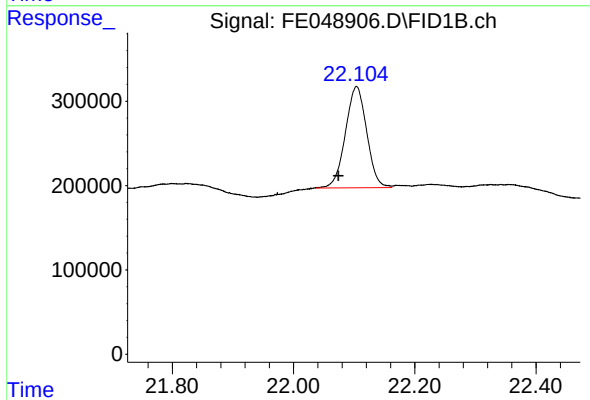
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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: 0.029 min
Response: 2931995
Conc: 23.94 ug/ml m