

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052324AL\
 Data File : FE048347.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2024 12:19
 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 05/24/2024
 Supervised By :Ankita Jodhani 05/24/2024

Integration File: autoint1.e
 Quant Time: May 24 01:31:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.957	2721249	18.863 ug/ml
Spiked Amount 50.000		Recovery =	37.73%
12) S 1-chlorooctadecane (S...	13.391	2089926	18.703 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
Target Compounds			
1) T n-Nonane (C9)	3.342	2767027	21.470 ug/ml
2) T n-Decane (C10)	4.592	2841525	21.583 ug/ml
3) T A~Naphthalene (C11.7)	6.299	2791542	20.217 ug/ml
4) T n-Dodecane (C12)	6.758	2785543	20.895 ug/ml
5) T A~2-methylnaphthalene...	7.396	2625093	19.726 ug/ml
6) T n-Tetradecane (C14)	8.587	2678888	20.215 ug/ml
7) T n-Hexadecane (C16)	10.194	2671667	19.426 ug/ml
8) T n-Octadecane (C18)	11.637	2641811	18.965 ug/ml
10) T n-Eicosane (C20)	12.946	2530196	18.792 ug/ml
11) T n-Heneicosane (C21)	13.557	2470363	18.662 ug/ml
13) T n-Docosane (C22)	14.144	2475724	18.682 ug/ml
14) T n-Tetracosane (C24)	15.246	2540453	19.079 ug/ml
15) T n-Hexacosane (C26)	16.266	2549790	19.108 ug/ml
16) T n-Octacosane (C28)	17.215	2608530	19.591 ug/ml
17) T n-Tricontane (C30)	18.102	2811610	20.372 ug/ml
18) T n-Dotriacontane (C32)	18.934	2934299	21.244 ug/ml
19) T n-Tetratriacontane (C34)	19.715	3180564	23.348 ug/mlm
20) T n-Hexatriacontane (C36)	20.455	2767593	20.440 ug/ml
21) T n-Octatriacontane (C38)	21.194	2646511	19.168 ug/mlm
22) T n-Tetracontane (C40)	22.114	2892597	20.762 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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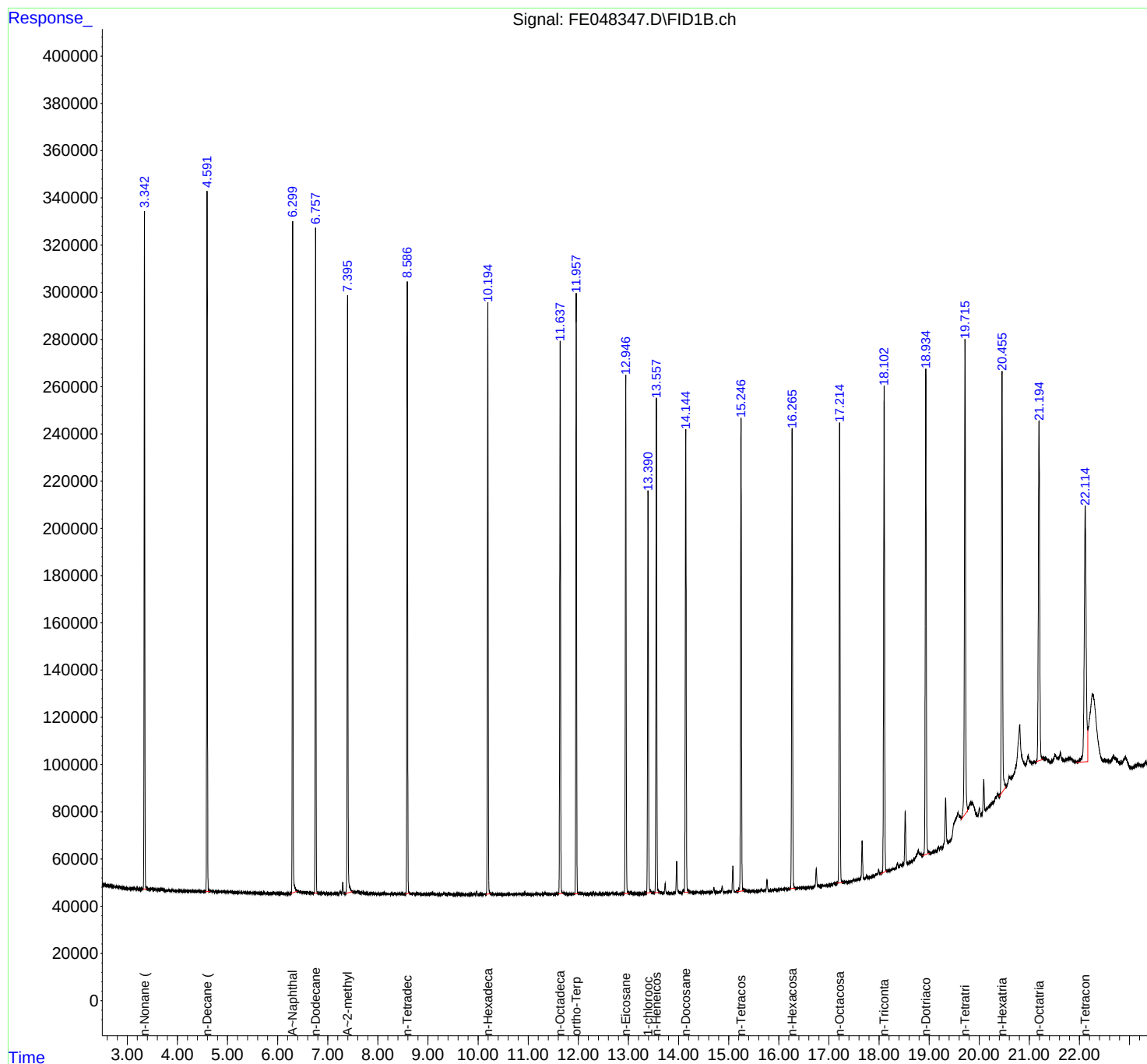
Instrument :
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20 PPM ALIPHATIC HC STD

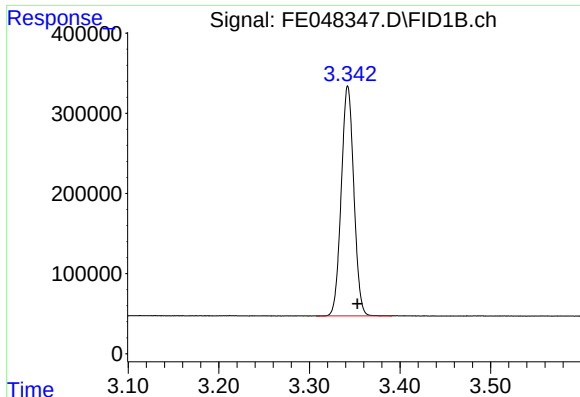
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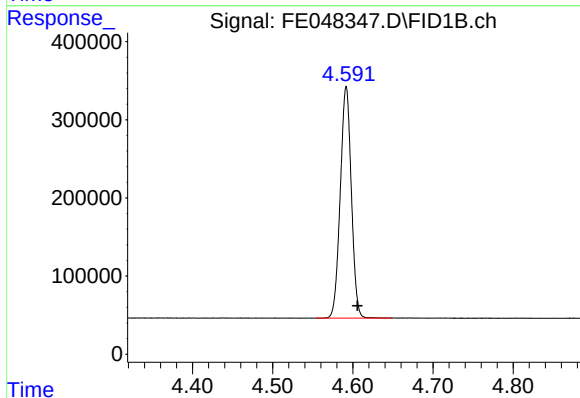
#1 n-Nonane (C9)

R.T.: 3.342 min
Delta R.T.: -0.011 min
Response: 2767027
Conc: 21.47 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

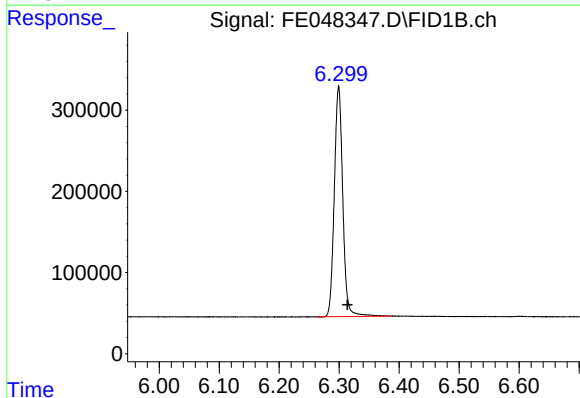
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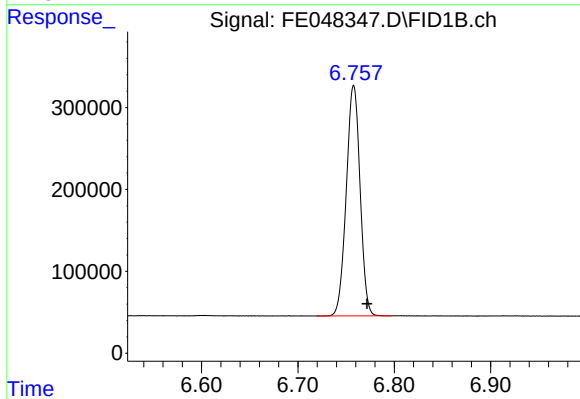
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.014 min
Response: 2841525
Conc: 21.58 ug/ml



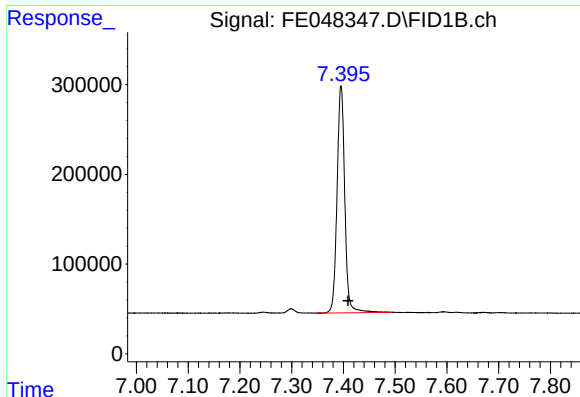
#3 A~Naphthalene (C11.7)

R.T.: 6.299 min
Delta R.T.: -0.014 min
Response: 2791542
Conc: 20.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 2785543
Conc: 20.89 ug/ml



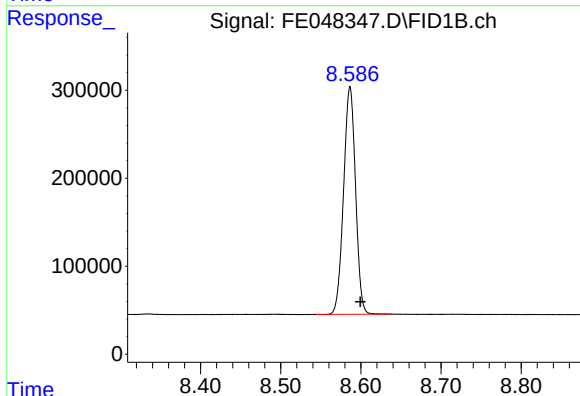
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: -0.013 min
Response: 2625093
Conc: 19.73 ug/ml

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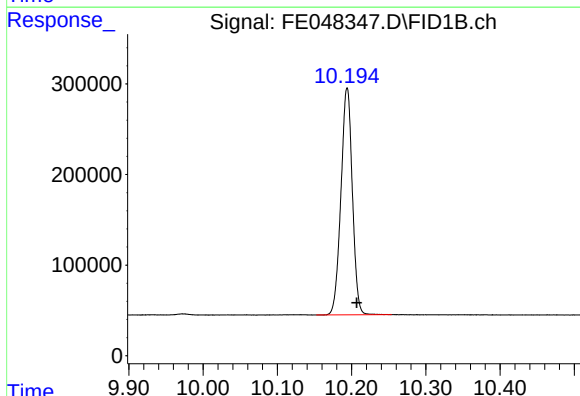
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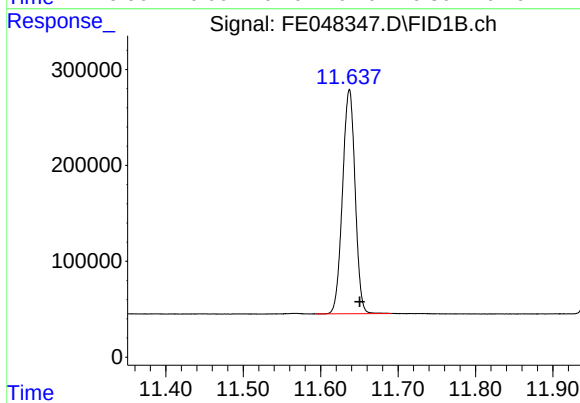
#6 n-Tetradecane (C14)

R.T.: 8.587 min
Delta R.T.: -0.013 min
Response: 2678888
Conc: 20.21 ug/ml



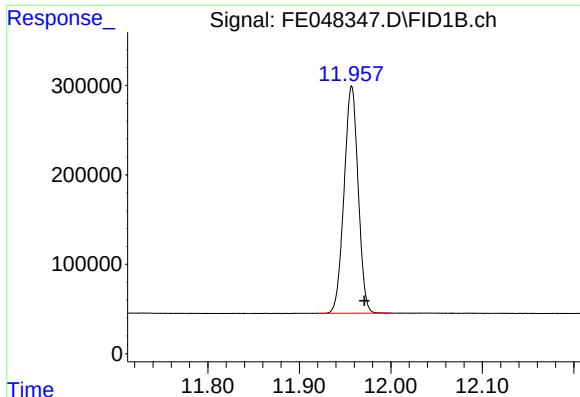
#7 n-Hexadecane (C16)

R.T.: 10.194 min
Delta R.T.: -0.013 min
Response: 2671667
Conc: 19.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.013 min
Response: 2641811
Conc: 18.97 ug/ml



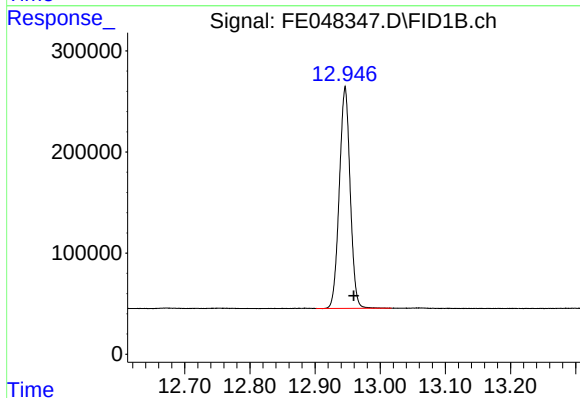
#9 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: -0.014 min
Response: 2721249
Conc: 18.86 ug/ml

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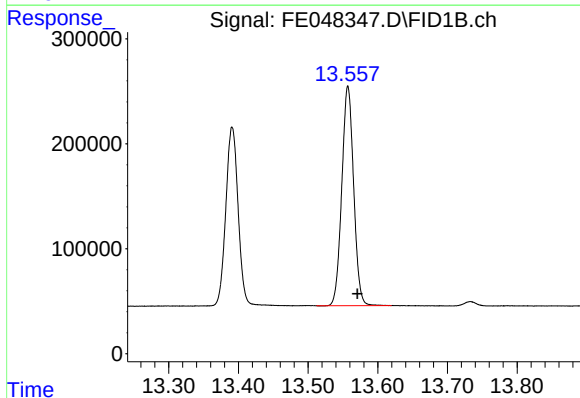
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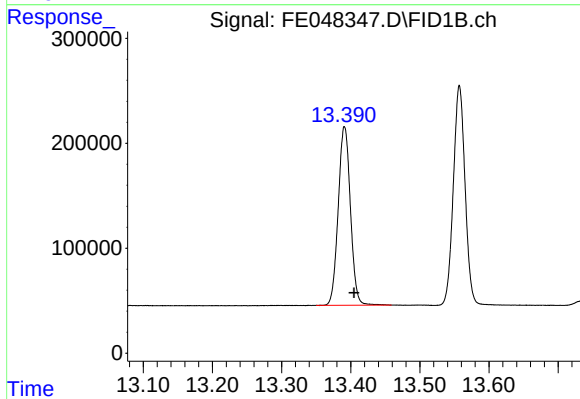
#10 n-Eicosane (C20)

R.T.: 12.946 min
Delta R.T.: -0.013 min
Response: 2530196
Conc: 18.79 ug/ml



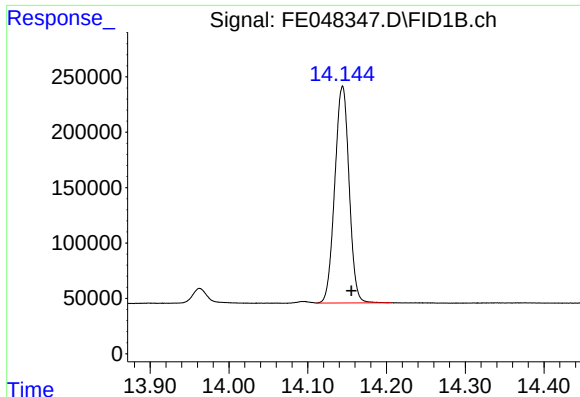
#11 n-Heneicosane (C21)

R.T.: 13.557 min
Delta R.T.: -0.014 min
Response: 2470363
Conc: 18.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.014 min
Response: 2089926
Conc: 18.70 ug/ml



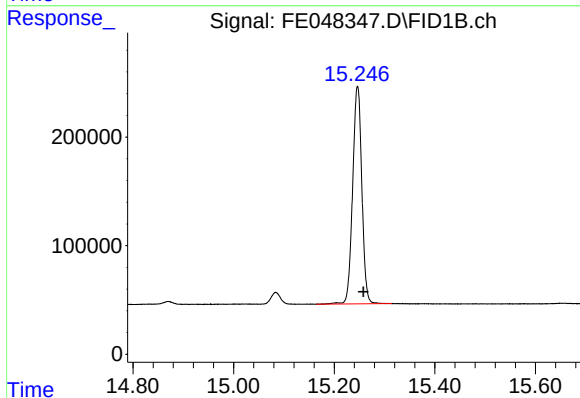
#13 n-Docosane (C22)

R.T.: 14.144 min
Delta R.T.: -0.011 min
Response: 2475724
Conc: 18.68 ug/ml

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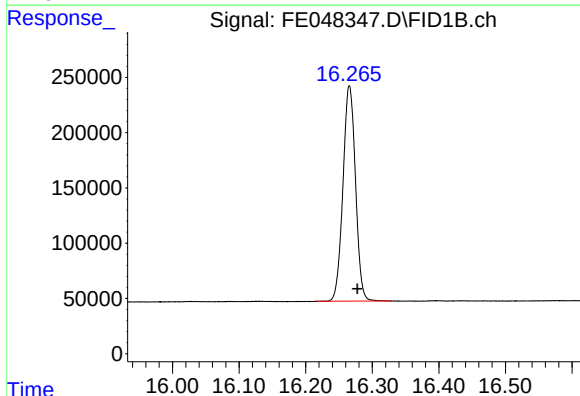
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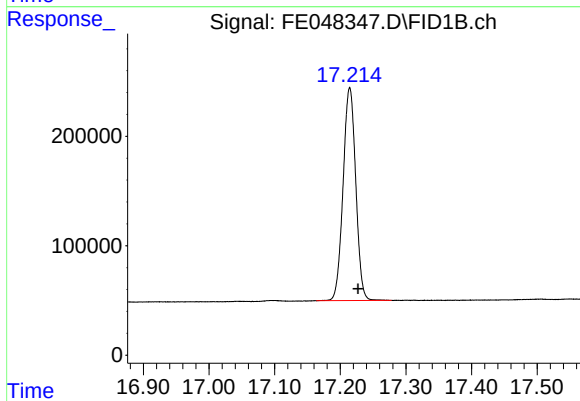
#14 n-Tetracosane (C24)

R.T.: 15.246 min
Delta R.T.: -0.011 min
Response: 2540453
Conc: 19.08 ug/ml



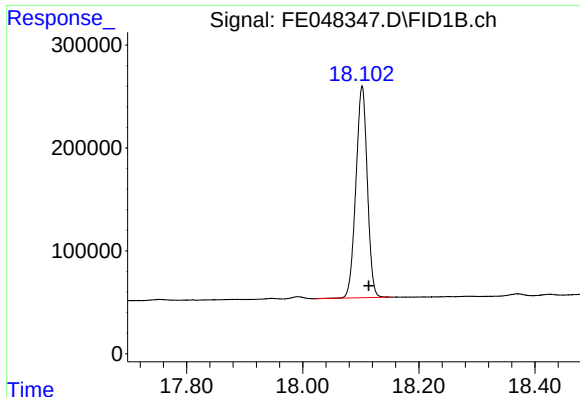
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: -0.012 min
Response: 2549790
Conc: 19.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: -0.013 min
Response: 2608530
Conc: 19.59 ug/ml



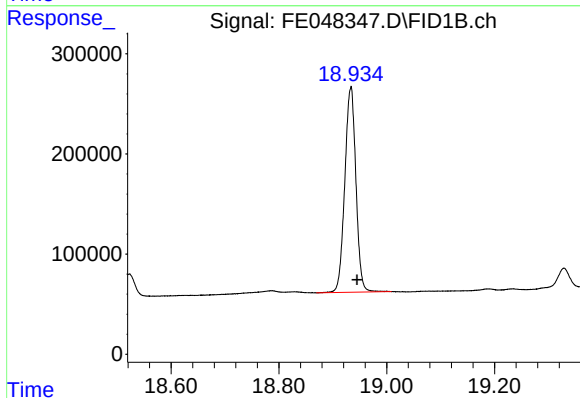
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.011 min
Response: 2811610
Conc: 20.37 ug/ml

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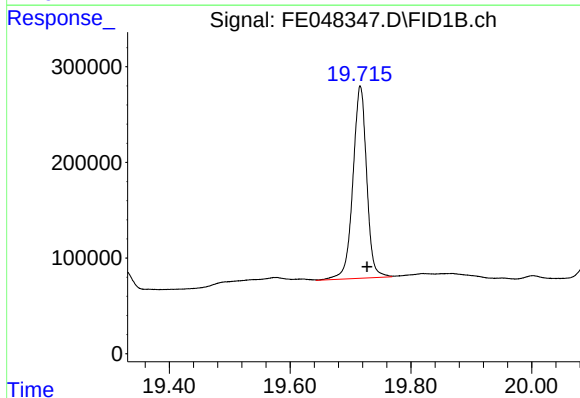
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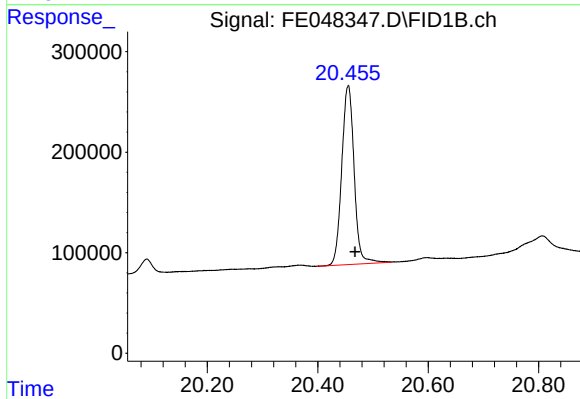
#18 n-Dotriacontane (C32)

R.T.: 18.934 min
Delta R.T.: -0.011 min
Response: 2934299
Conc: 21.24 ug/ml



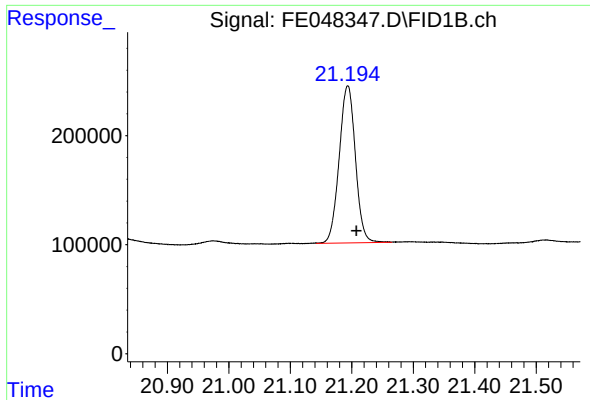
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: -0.012 min
Response: 3180564
Conc: 23.35 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.455 min
Delta R.T.: -0.012 min
Response: 2767593
Conc: 20.44 ug/ml



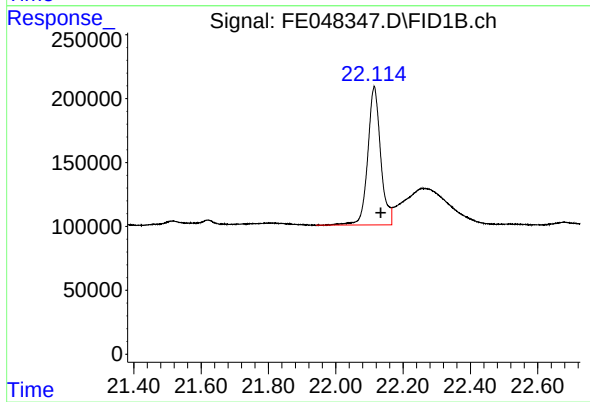
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.014 min
Response: 2646511
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.114 min
Delta R.T.: -0.020 min
Response: 2892597
Conc: 20.76 ug/ml