

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082724AL\
 Data File : FE049808.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2024 07:58
 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 08/28/2024
 Supervised By :Ankita Jodhani 08/28/2024

Integration File: autoint1.e
 Quant Time: Aug 28 08:34:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.882	2967988	18.354 ug/ml
Spiked Amount 50.000		Recovery =	36.71%
12) S 1-chlorooctadecane (S...	13.316	2269185	18.599 ug/ml
Spiked Amount 50.000		Recovery =	37.20%
Target Compounds			
1) T n-Nonane (C9)	3.269	2553648	16.501 ug/ml
2) T n-Decane (C10)	4.520	2612097	16.544 ug/ml
3) T A~Naphthalene (C11.7)	6.228	2836036	17.675 ug/ml
4) T n-Dodecane (C12)	6.687	2805091	17.843 ug/ml
5) T A~2-methylnaphthalene...	7.324	2713554	18.120 ug/ml
6) T n-Tetradecane (C14)	8.515	2754190	17.840 ug/ml
7) T n-Hexadecane (C16)	10.121	2863693	18.336 ug/ml
8) T n-Octadecane (C18)	11.563	2886703	18.380 ug/ml
10) T n-Eicosane (C20)	12.872	2761415	18.495 ug/ml
11) T n-Heneicosane (C21)	13.483	2706617	18.450 ug/ml
13) T n-Docosane (C22)	14.069	2685818	18.427 ug/ml
14) T n-Tetracosane (C24)	15.171	2708307	18.618 ug/ml
15) T n-Hexacosane (C26)	16.190	2682049	18.583 ug/ml
16) T n-Octacosane (C28)	17.139	2812379	19.525 ug/ml
17) T n-Tricontane (C30)	18.026	3145290	21.010 ug/ml
18) T n-Dotriacontane (C32)	18.857	3312329	21.895 ug/ml
19) T n-Tetratriacontane (C34)	19.640	3247439	21.242 ug/ml
20) T n-Hexatriacontane (C36)	20.380	3057857	20.137 ug/ml
21) T n-Octatriacontane (C38)	21.106	3004678	19.144 ug/ml
22) T n-Tetracontane (C40)	21.999	2919589	19.122 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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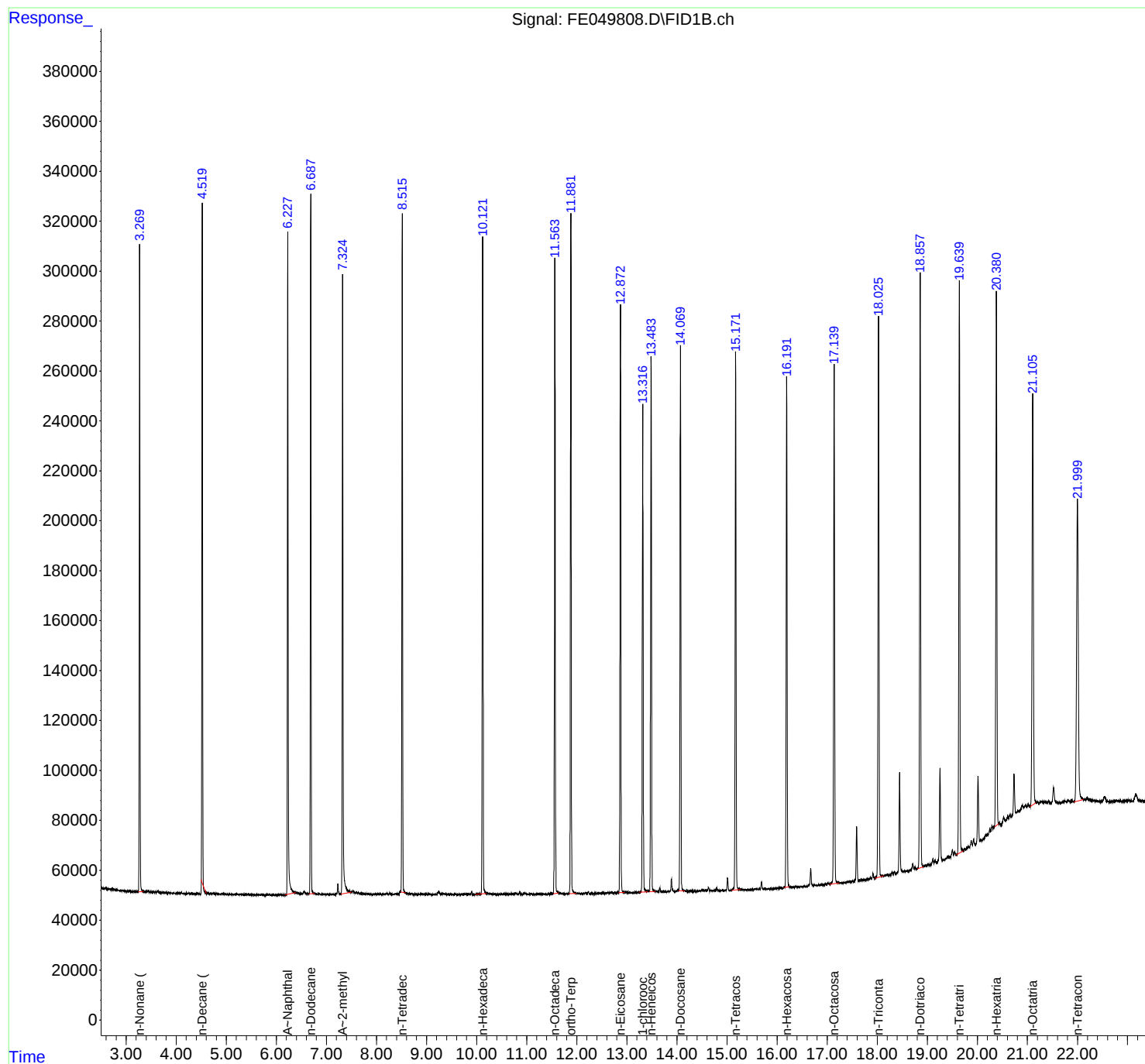
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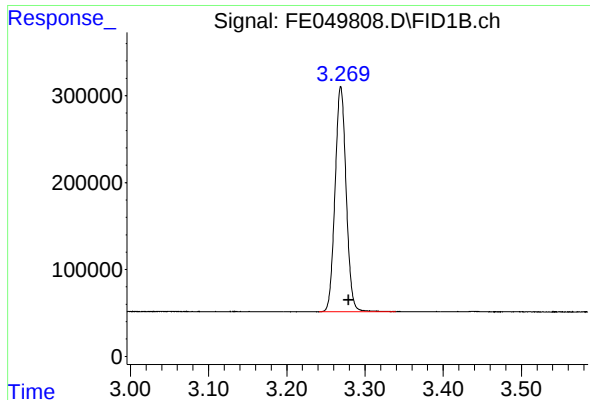
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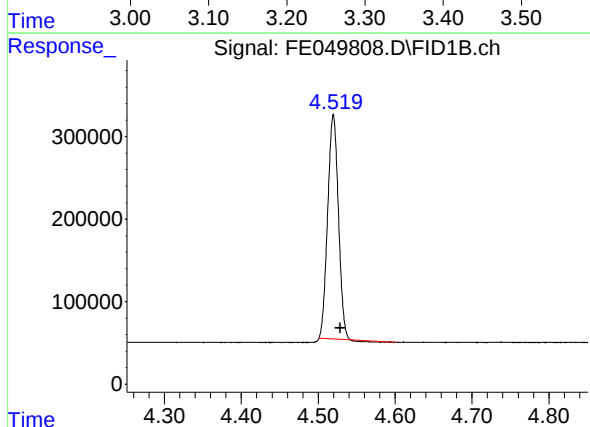
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.010 min
Response: 2553648
Conc: 16.50 ug/ml

Instrument :
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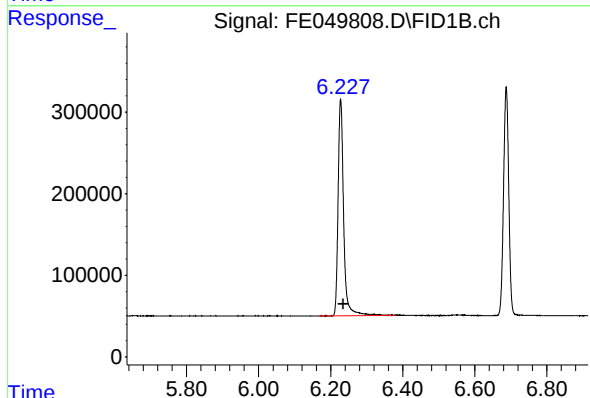
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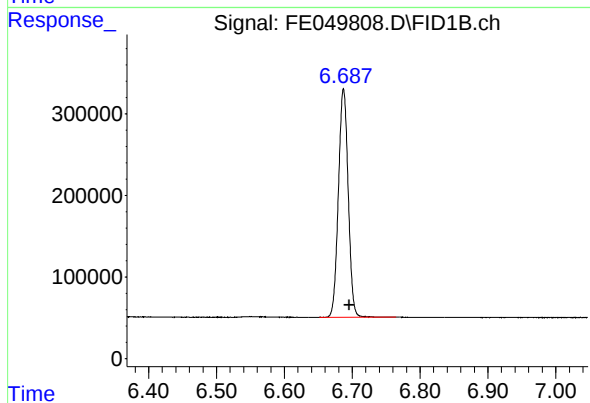
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.009 min
Response: 2612097
Conc: 16.54 ug/ml



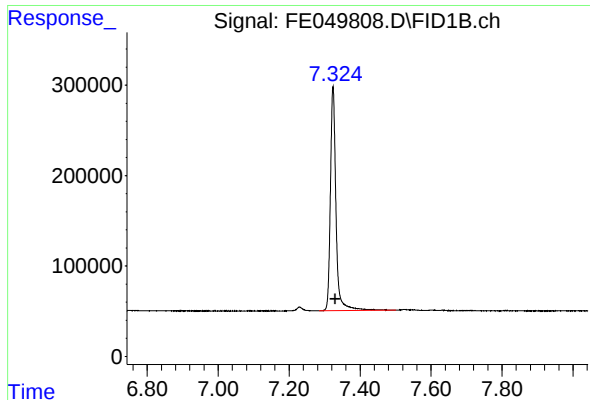
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.007 min
Response: 2836036
Conc: 17.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.008 min
Response: 2805091
Conc: 17.84 ug/ml



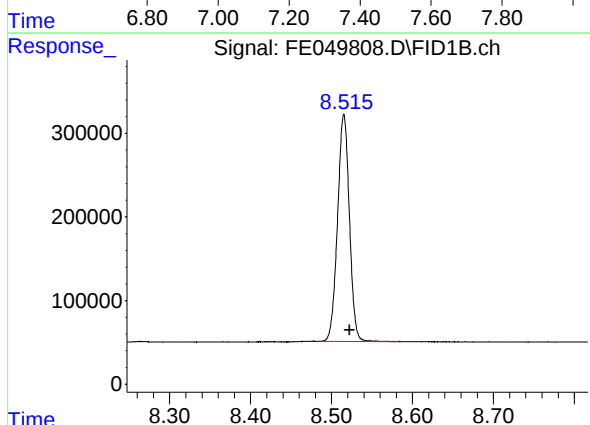
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.324 min
Delta R.T.: -0.007 min
Response: 2713554
Conc: 18.12 ug/ml

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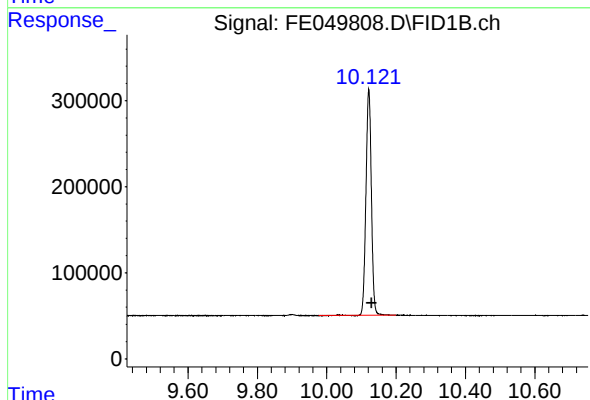
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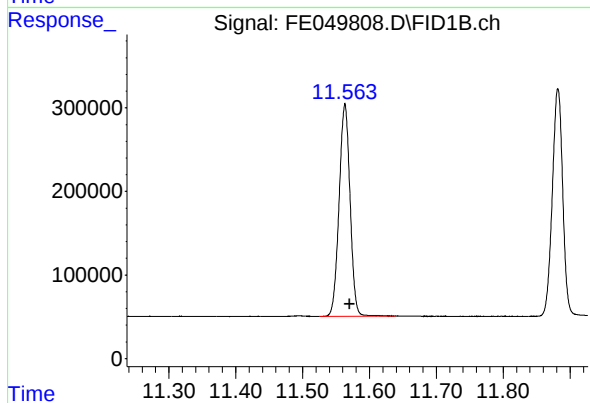
#6 n-Tetradecane (C14)

R.T.: 8.515 min
Delta R.T.: -0.007 min
Response: 2754190
Conc: 17.84 ug/ml



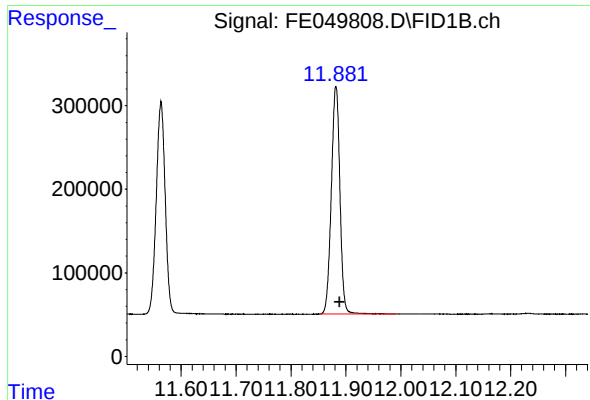
#7 n-Hexadecane (C16)

R.T.: 10.121 min
Delta R.T.: -0.008 min
Response: 2863693
Conc: 18.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.563 min
Delta R.T.: -0.007 min
Response: 2886703
Conc: 18.38 ug/ml



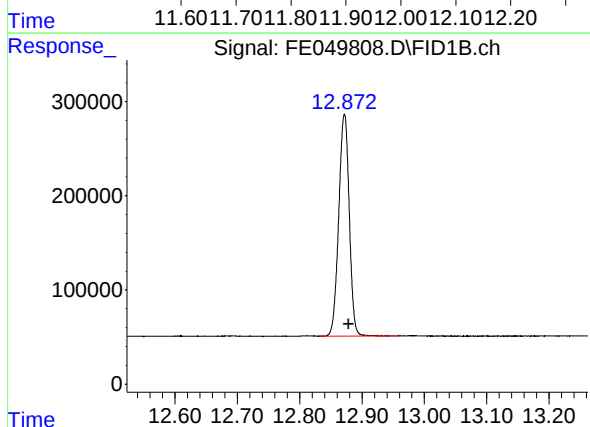
#9 ortho-Terphenyl (SURR)

R.T.: 11.882 min
Delta R.T.: -0.007 min
Response: 2967988
Conc: 18.35 ug/ml

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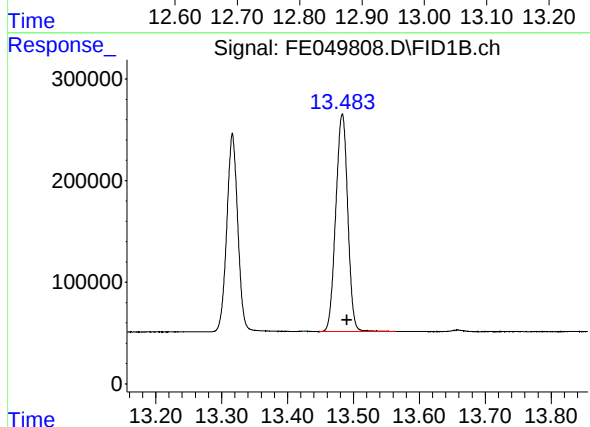
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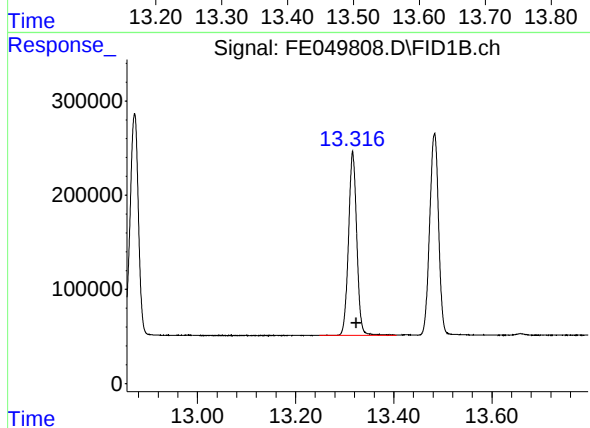
#10 n-Eicosane (C20)

R.T.: 12.872 min
Delta R.T.: -0.007 min
Response: 2761415
Conc: 18.49 ug/ml



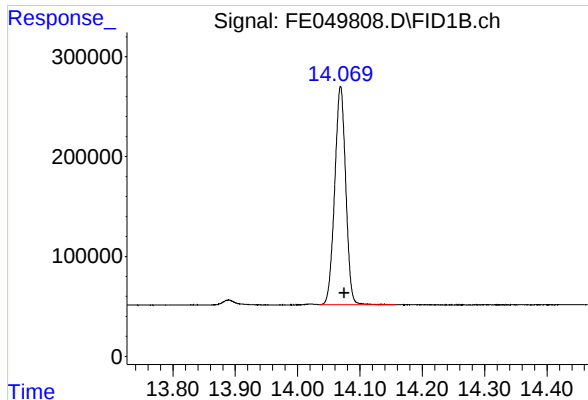
#11 n-Heneicosane (C21)

R.T.: 13.483 min
Delta R.T.: -0.007 min
Response: 2706617
Conc: 18.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.007 min
Response: 2269185
Conc: 18.60 ug/ml



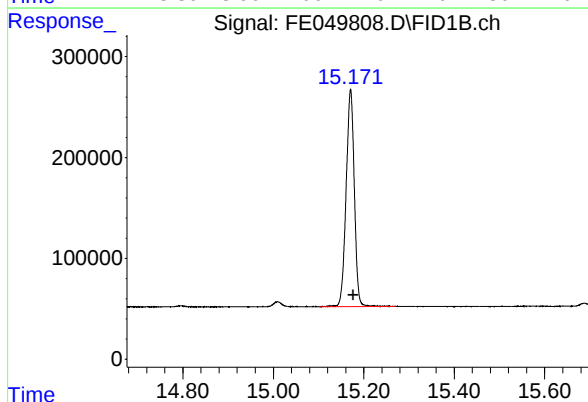
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.006 min
Response: 2685818
Conc: 18.43 ug/ml

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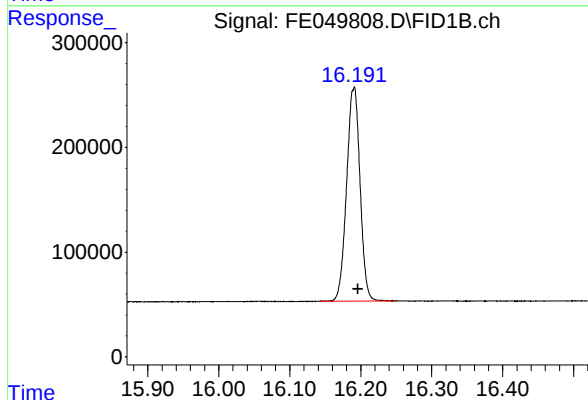
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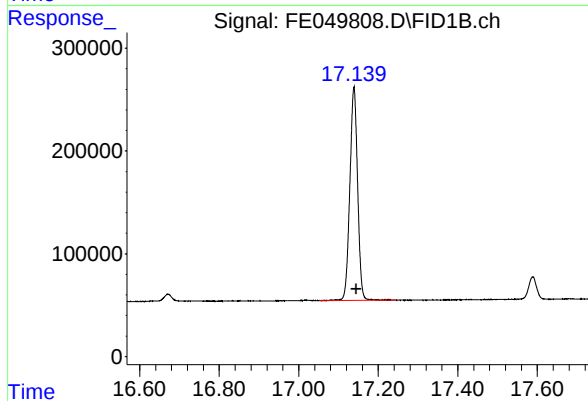
#14 n-Tetracosane (C24)

R.T.: 15.171 min
Delta R.T.: -0.006 min
Response: 2708307
Conc: 18.62 ug/ml



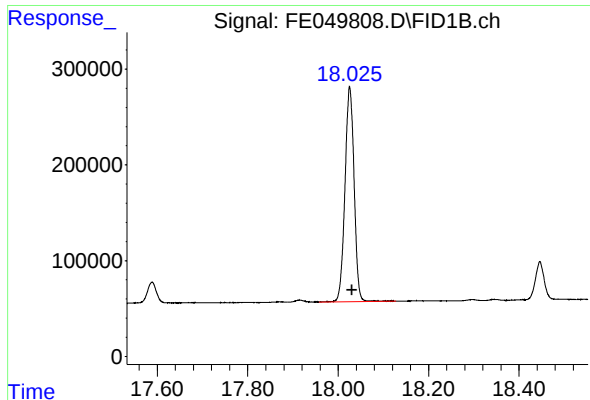
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: -0.006 min
Response: 2682049
Conc: 18.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.139 min
Delta R.T.: -0.006 min
Response: 2812379
Conc: 19.53 ug/ml



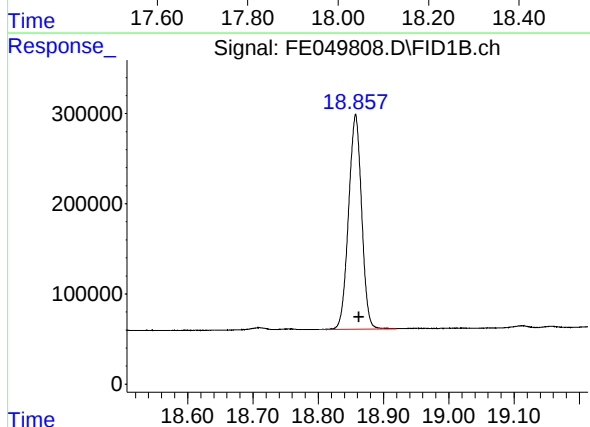
#17 n-Tricontane (C30)

R.T.: 18.026 min
Delta R.T.: -0.005 min
Response: 3145290
Conc: 21.01 ug/ml

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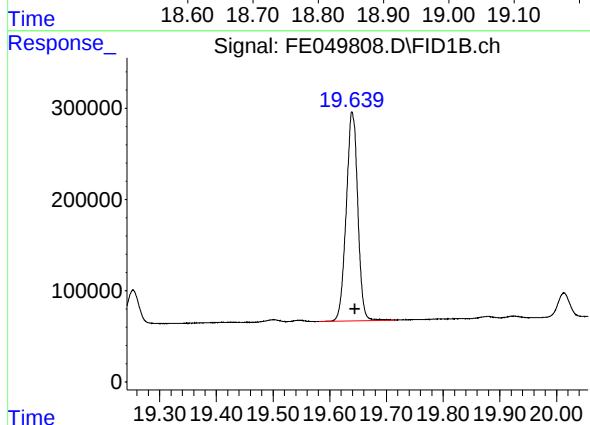
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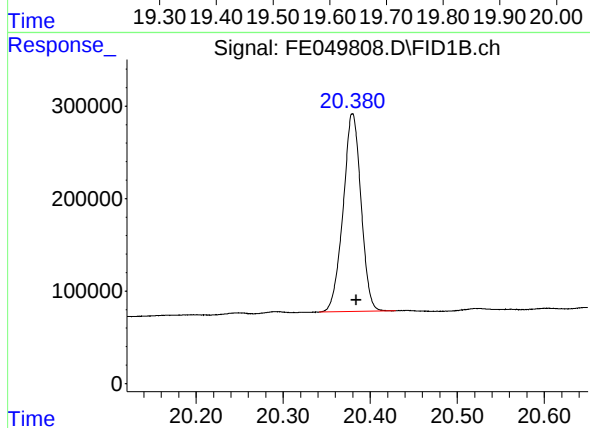
#18 n-Dotriacontane (C32)

R.T.: 18.857 min
Delta R.T.: -0.005 min
Response: 3312329
Conc: 21.89 ug/ml



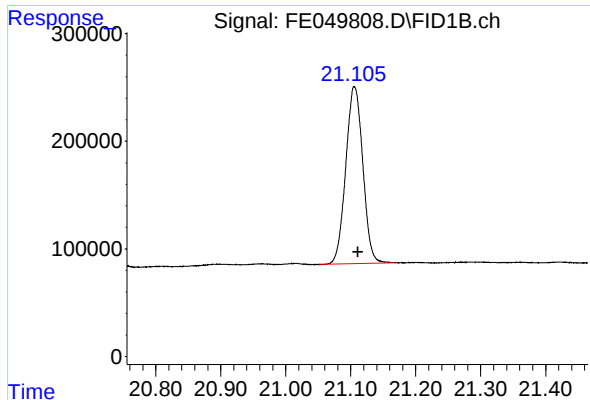
#19 n-Tetratriacontane (C34)

R.T.: 19.640 min
Delta R.T.: -0.004 min
Response: 3247439
Conc: 21.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: -0.004 min
Response: 3057857
Conc: 20.14 ug/ml



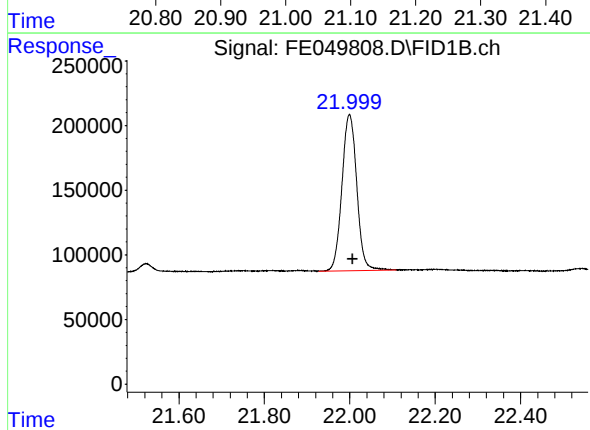
#21 n-Octatriacontane (C38)

R.T.: 21.106 min
Delta R.T.: -0.006 min
Response: 3004678
Conc: 19.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.009 min
Response: 2919589
Conc: 19.12 ug/ml m