

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032123AL\
 Data File : FE040931.D
 Signal(s) : FID1B.ch
 Acq On : 22 Mar 2023 02:08
 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 03/22/2023
 Supervised By :Ankita Jodhani 03/22/2023

Integration File: autoint1.e
 Quant Time: Mar 22 02:33:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 2023
 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)	11.867	3430827	18.365 ug/ml
Spiked Amount 50.000		Recovery =	36.73%
12) S 1-chlorooctadecane (S...	13.305	2670791	18.045 ug/ml
Spiked Amount 50.000		Recovery =	36.09%
Target Compounds			
1) T n-Nonane (C9)	3.265	3029612	19.689 ug/ml
2) T n-Decane (C10)	4.512	3072702	20.424 ug/ml
3) T A~Naphthalene (C11.7)	6.215	3393656	20.460 ug/ml
4) T n-Dodecane (C12)	6.676	3115501	20.351 ug/ml
5) T A~2-methylnaphthalene...	7.310	3092148	20.431 ug/ml
6) T n-Tetradecane (C14)	8.502	3126571	20.229 ug/ml
7) T n-Hexadecane (C16)	10.109	3219700	19.934 ug/ml
8) T n-Octadecane (C18)	11.552	3256350	19.178 ug/ml
10) T n-Eicosane (C20)	12.860	3138669	18.553 ug/ml
11) T n-Heneicosane (C21)	13.472	3107273	18.133 ug/ml
13) T n-Docosane (C22)	14.059	3048527	17.795 ug/ml
14) T n-Tetracosane (C24)	15.162	3004361	17.428 ug/ml
15) T n-Hexacosane (C26)	16.184	2891968	17.015 ug/ml
16) T n-Octacosane (C28)	17.135	2934274	17.497 ug/ml
17) T n-Tricontane (C30)	18.024	3114275	19.073 ug/ml
18) T n-Dotriacontane (C32)	18.859	3322955	19.415 ug/ml
19) T n-Tetratriacontane (C34)	19.643	3429103	22.179 ug/mlm
20) T n-Hexatriacontane (C36)	20.384	2962497	20.392 ug/ml
21) T n-Octatriacontane (C38)	21.112	2980899	21.686 ug/mlm
22) T n-Tetracontane (C40)	21.999	2985252	19.319 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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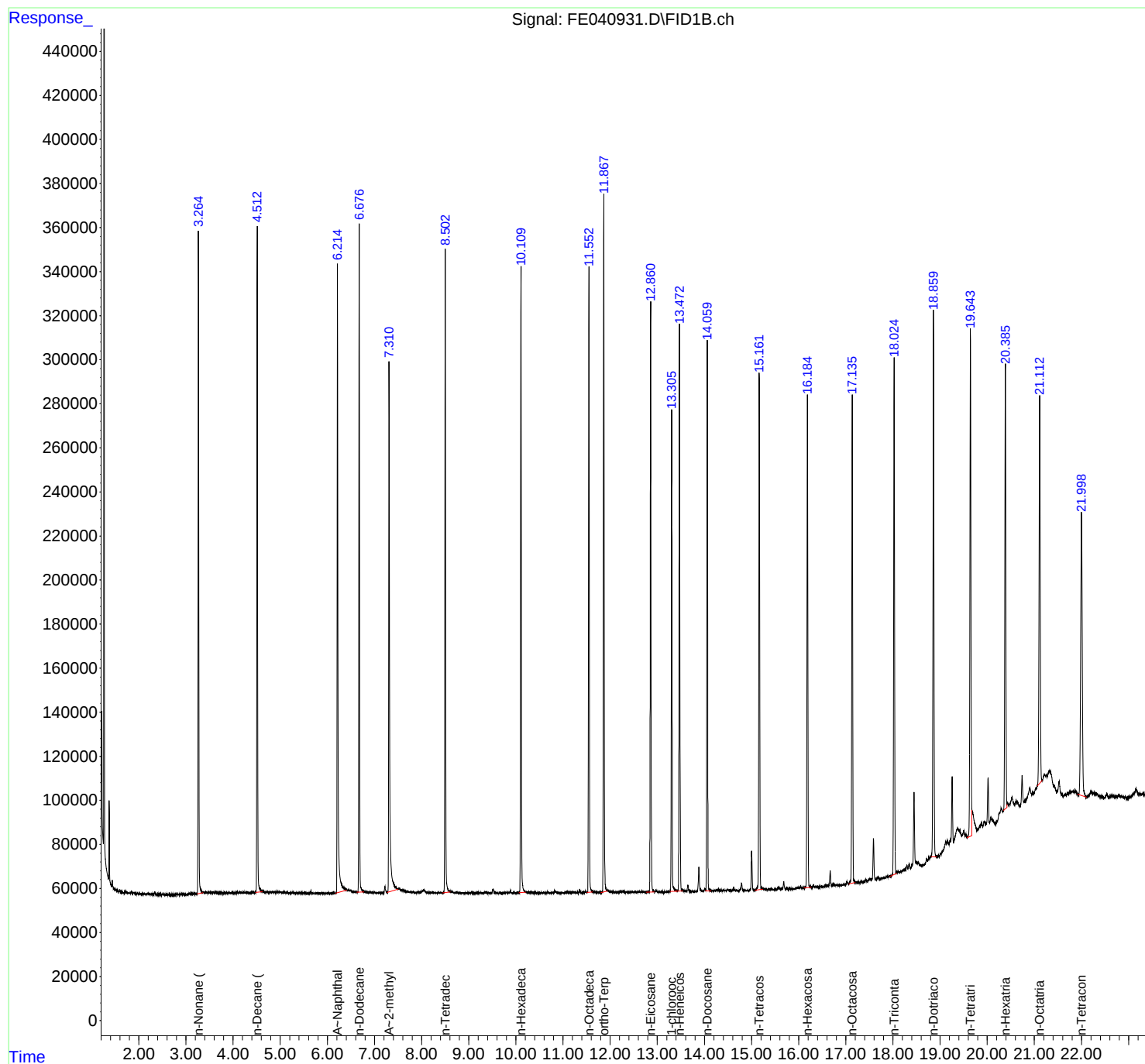
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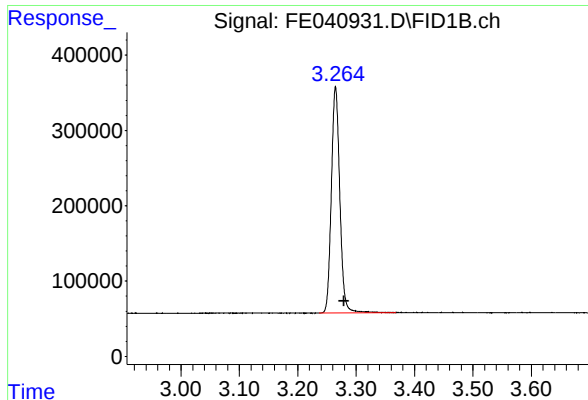
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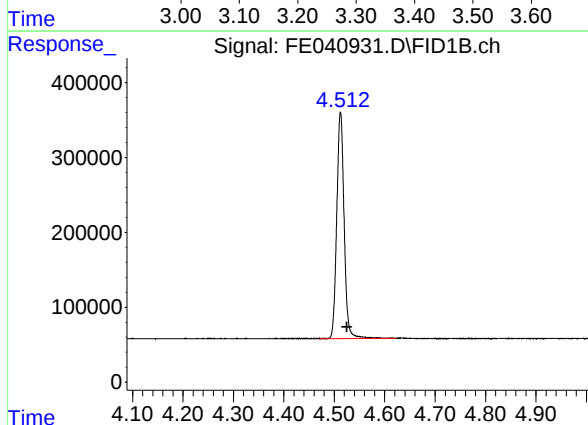
#1 n-Nonane (C9)

R.T.: 3.265 min
Delta R.T.: -0.014 min
Response: 3029612
Conc: 19.69 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

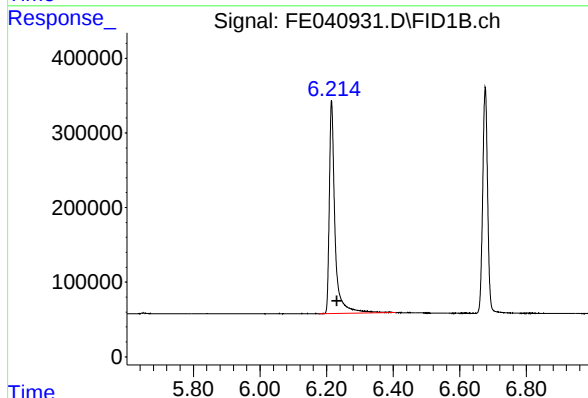
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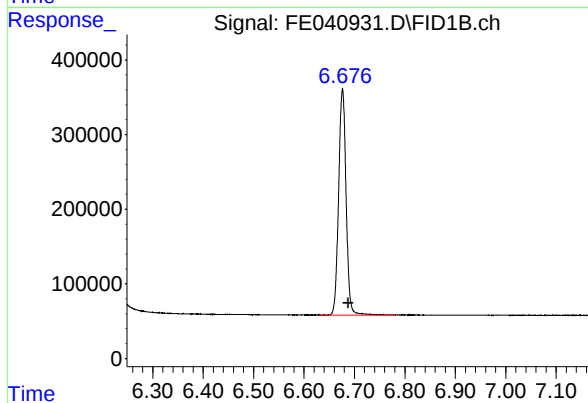
#2 n-Decane (C10)

R.T.: 4.512 min
Delta R.T.: -0.013 min
Response: 3072702
Conc: 20.42 ug/ml



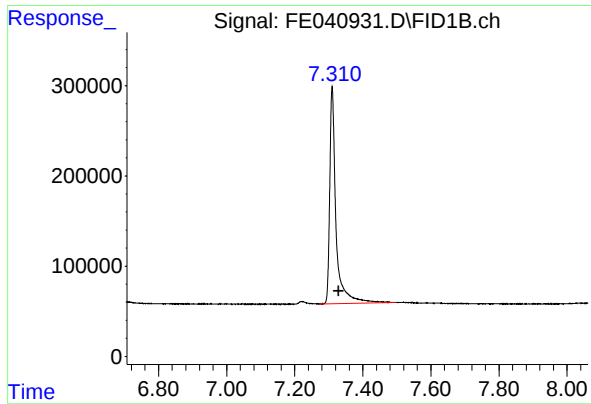
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: -0.017 min
Response: 3393656
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.011 min
Response: 3115501
Conc: 20.35 ug/ml



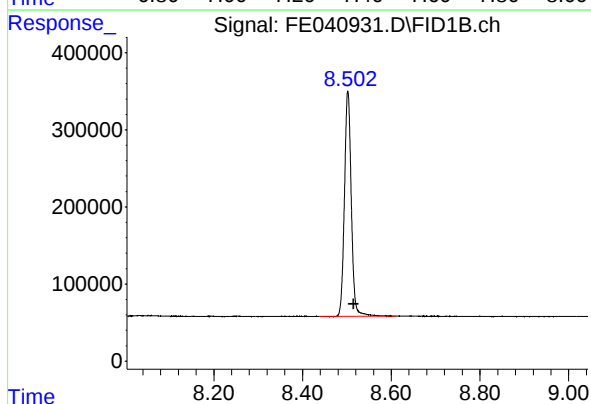
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.018 min
Response: 3092148
Conc: 20.43 ug/ml

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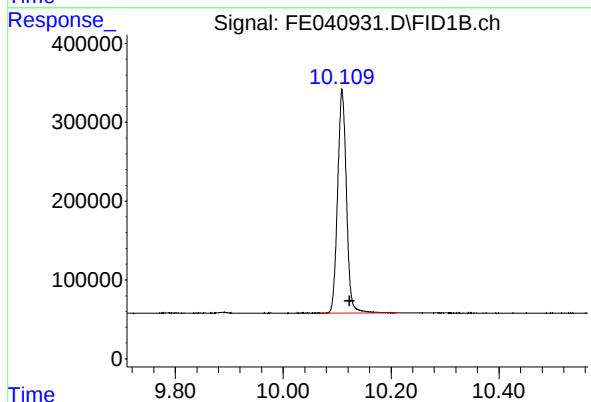
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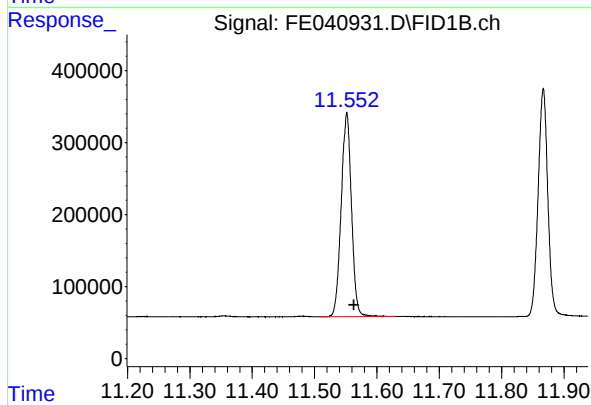
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.013 min
Response: 3126571
Conc: 20.23 ug/ml



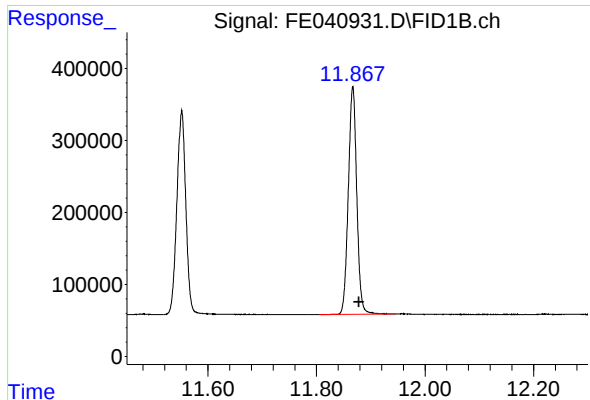
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.013 min
Response: 3219700
Conc: 19.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.012 min
Response: 3256350
Conc: 19.18 ug/ml



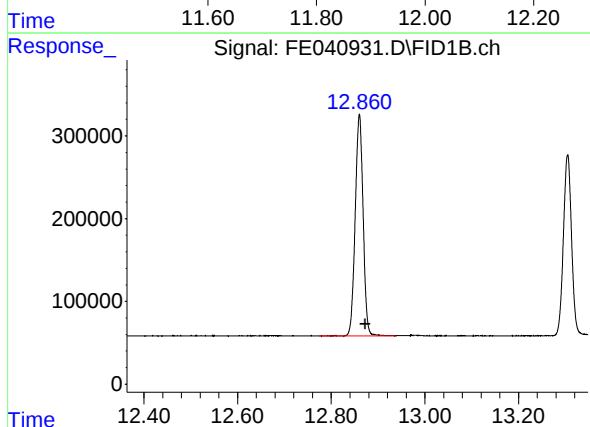
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.012 min
Response: 3430827
Conc: 18.37 ug/ml

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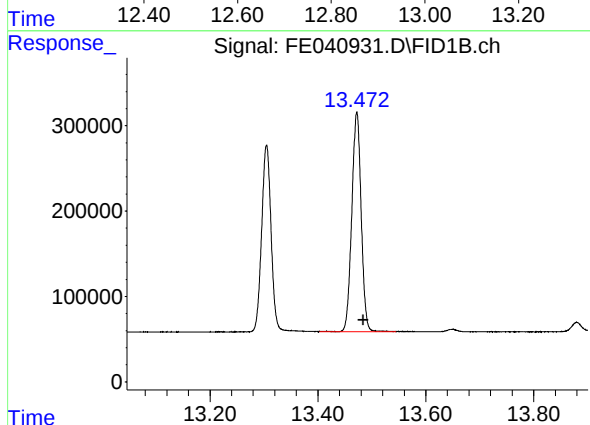
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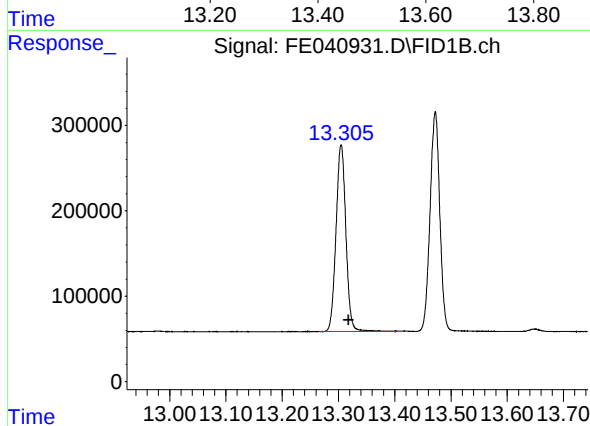
#10 n-Eicosane (C20)

R.T.: 12.860 min
Delta R.T.: -0.012 min
Response: 3138669
Conc: 18.55 ug/ml



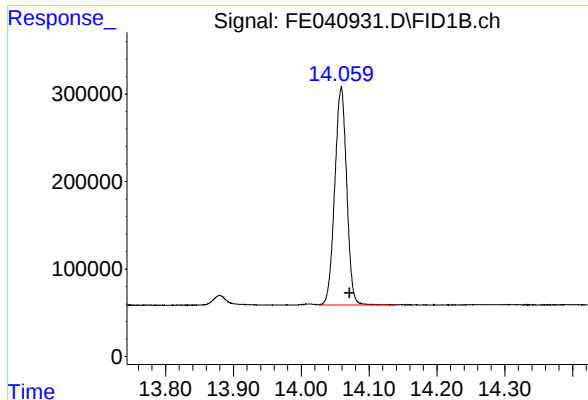
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: -0.012 min
Response: 3107273
Conc: 18.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.013 min
Response: 2670791
Conc: 18.05 ug/ml



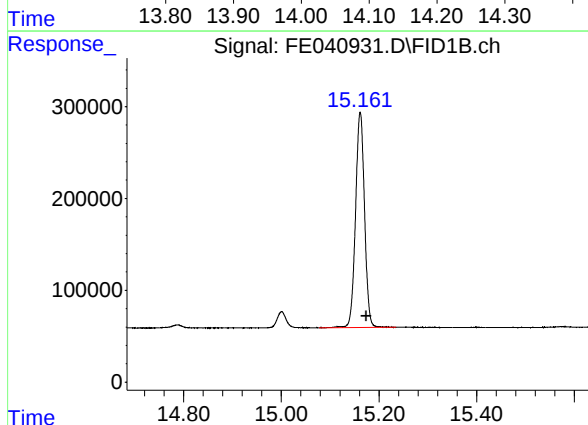
#13 n-Docosane (C22)

R.T.: 14.059 min
Delta R.T.: -0.013 min
Response: 3048527
Conc: 17.80 ug/ml

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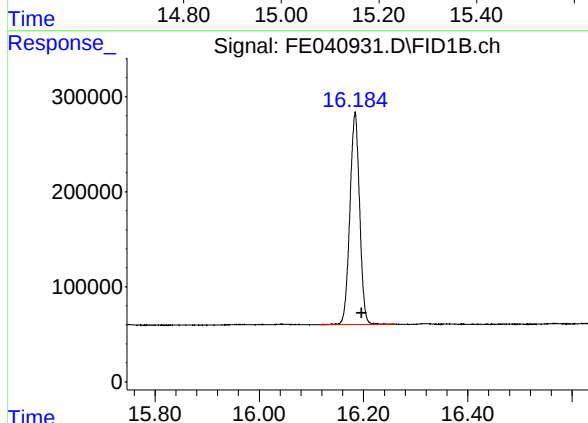
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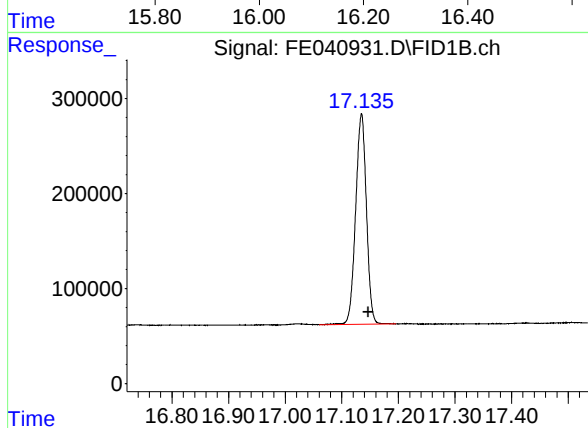
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.013 min
Response: 3004361
Conc: 17.43 ug/ml



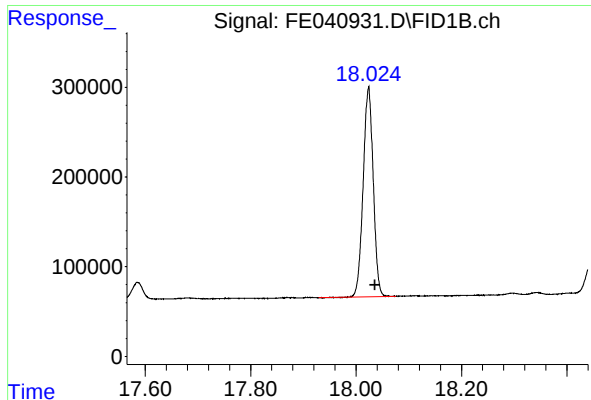
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: -0.013 min
Response: 2891968
Conc: 17.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.012 min
Response: 2934274
Conc: 17.50 ug/ml



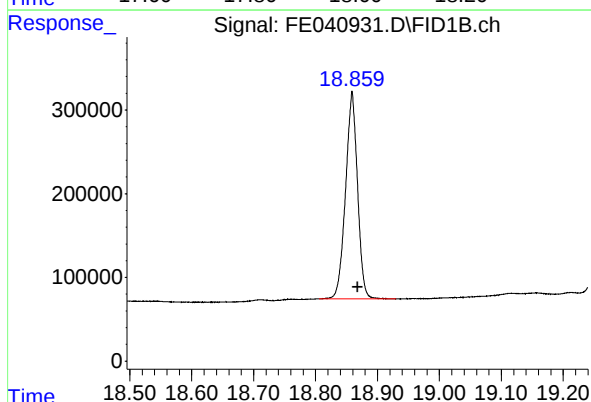
#17 n-Tricontane (C30)

R.T.: 18.024 min
Delta R.T.: -0.012 min
Response: 3114275
Conc: 19.07 ug/ml

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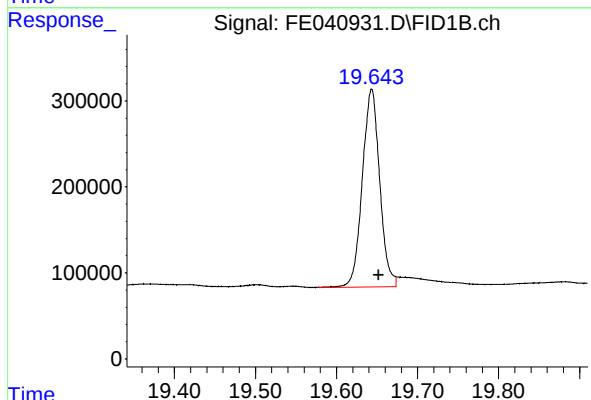
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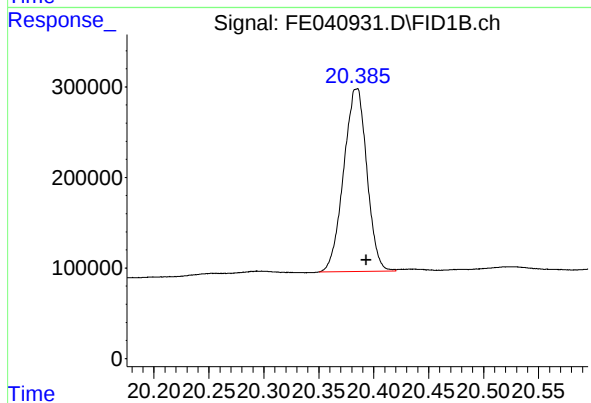
#18 n-Dotriacontane (C32)

R.T.: 18.859 min
Delta R.T.: -0.009 min
Response: 3322955
Conc: 19.42 ug/ml



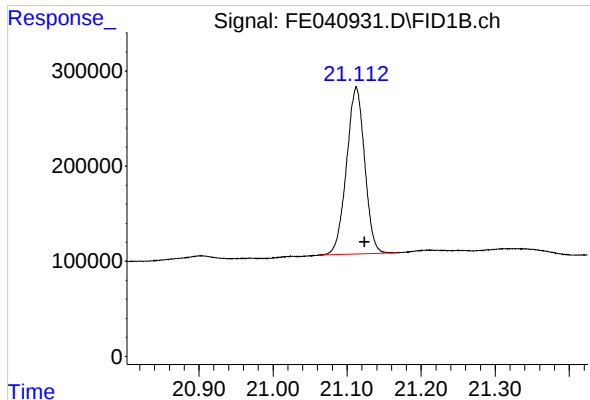
#19 n-Tetratriacontane (C34)

R.T.: 19.643 min
Delta R.T.: -0.009 min
Response: 3429103
Conc: 22.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min
Delta R.T.: -0.009 min
Response: 2962497
Conc: 20.39 ug/ml



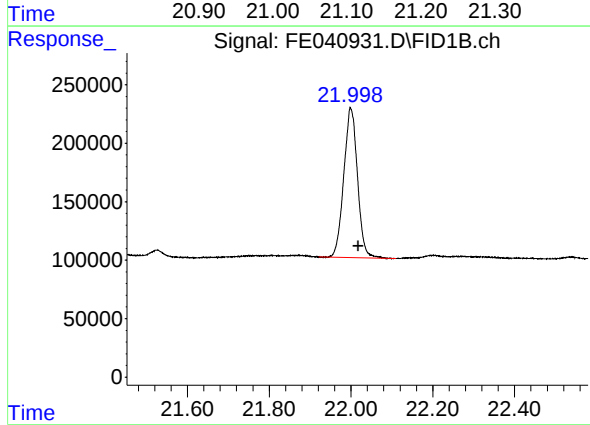
#21 n-Octatriacontane (C38)

R.T.: 21.112 min
Delta R.T.: -0.011 min
Response: 2980899
Conc: 21.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.020 min
Response: 2985252
Conc: 19.32 ug/ml