

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041123AL\
 Data File : FE041316.D
 Signal(s) : FID1B.ch
 Acq On : 11 Apr 2023 21:44
 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 04/12/2023
 Supervised By :Ankita Jodhani 04/12/2023

Integration File: autoint1.e
 Quant Time: Apr 12 00:21:41 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.836	3291871	17.516 ug/ml
Spiked Amount 50.000		Recovery =	35.03%
12) S 1-chlorooctadecane (S...	13.275	2582376	17.948 ug/ml
Spiked Amount 50.000		Recovery =	35.90%
Target Compounds			
1) T n-Nonane (C9)	3.235	2806459	16.174 ug/ml
2) T n-Decane (C10)	4.483	2857523	16.787 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3115954	17.036 ug/ml
4) T n-Dodecane (C12)	6.647	2926441	16.871 ug/ml
5) T A~2-methylnaphthalene...	7.282	2928481	17.683 ug/ml
6) T n-Tetradecane (C14)	8.473	2973850	17.055 ug/ml
7) T n-Hexadecane (C16)	10.079	3074051	17.284 ug/ml
8) T n-Octadecane (C18)	11.521	3137389	17.571 ug/ml
10) T n-Eicosane (C20)	12.831	3067455	17.983 ug/ml
11) T n-Heneicosane (C21)	13.442	3038716	17.961 ug/ml
13) T n-Docosane (C22)	14.029	3076512	18.591 ug/ml
14) T n-Tetracosane (C24)	15.133	3161353	19.540 ug/ml
15) T n-Hexacosane (C26)	16.155	3158141	20.373 ug/ml
16) T n-Octacosane (C28)	17.106	3300076	21.544 ug/ml
17) T n-Tricontane (C30)	17.996	3479497	22.763 ug/ml
18) T n-Dotriacontane (C32)	18.830	3585220	22.963 ug/mlm
19) T n-Tetratriacontane (C34)	19.614	3392171	21.889 ug/mlm
20) T n-Hexatriacontane (C36)	20.355	3120844	20.546 ug/mlm
21) T n-Octatriacontane (C38)	21.080	3020058	19.332 ug/mlm
22) T n-Tetracontane (C40)	21.958	3096163	19.399 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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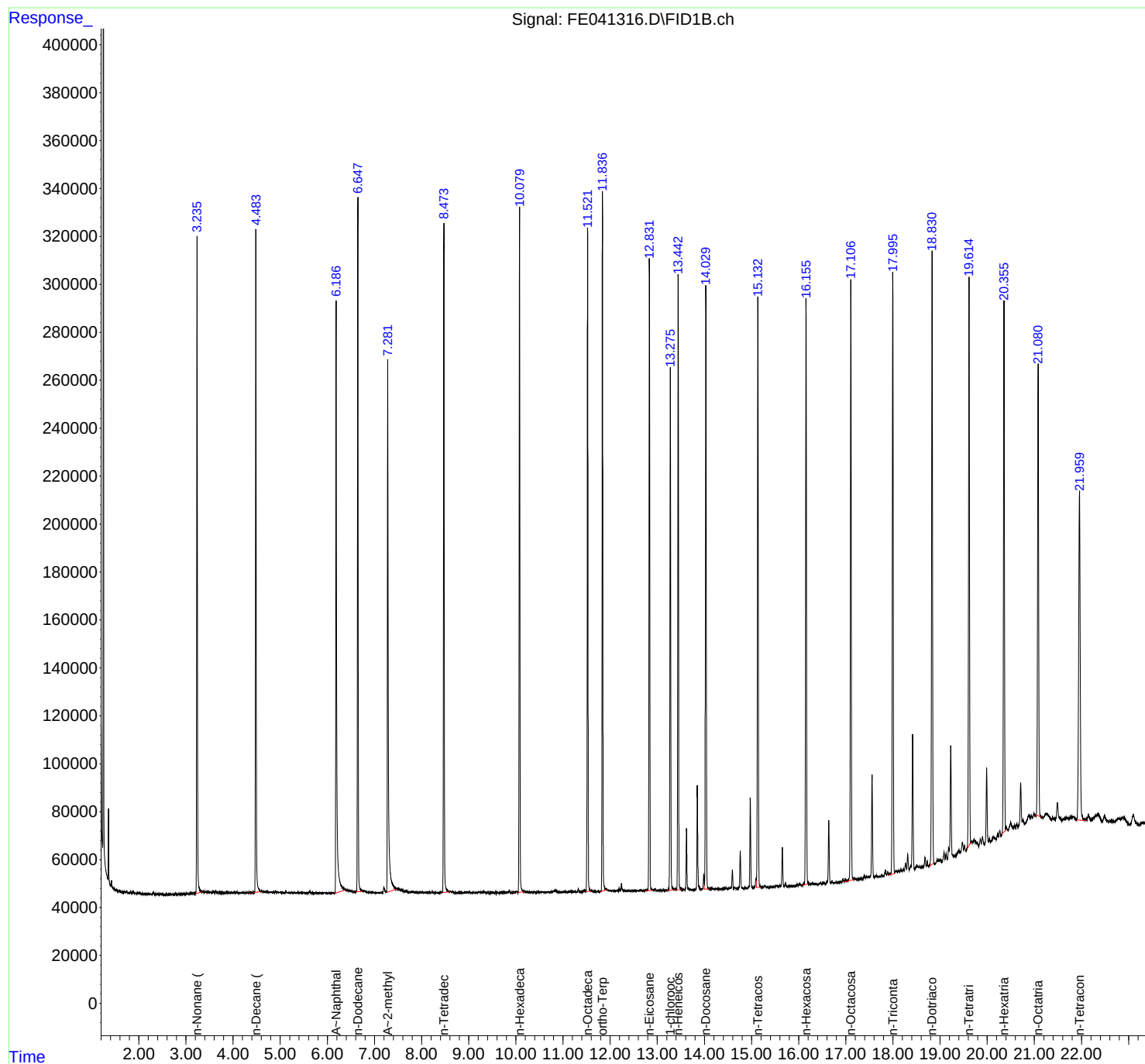
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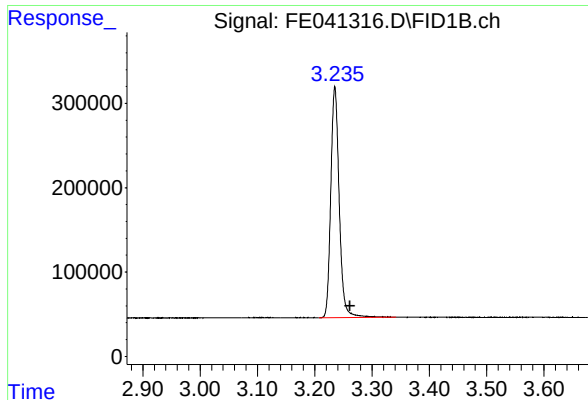
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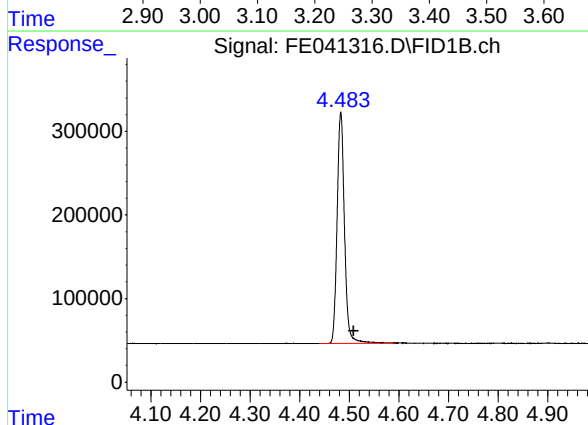
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.027 min
Response: 2806459
Conc: 16.17 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

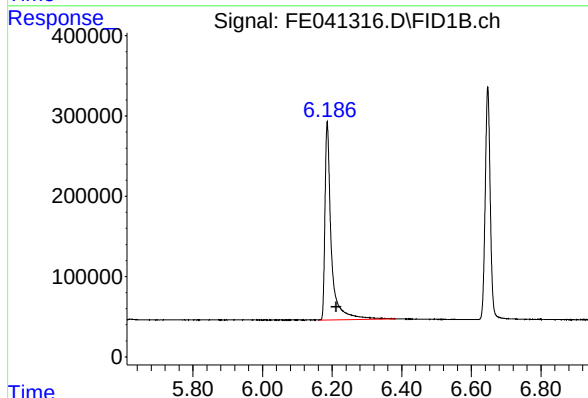
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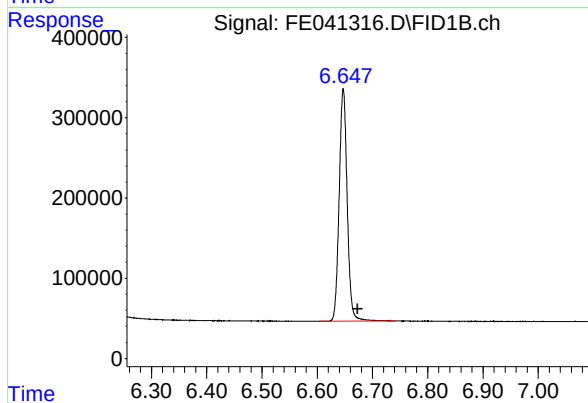
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.026 min
Response: 2857523
Conc: 16.79 ug/ml



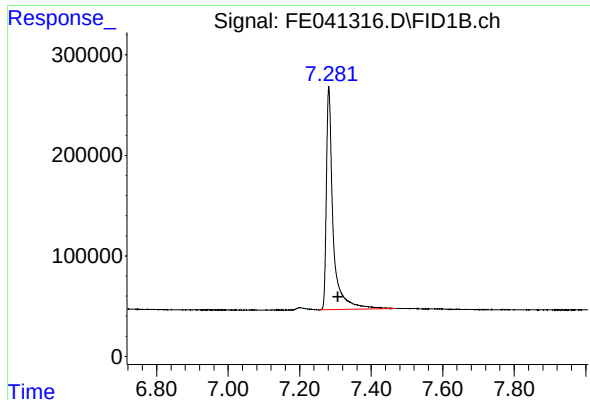
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3115954
Conc: 17.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 2926441
Conc: 16.87 ug/ml



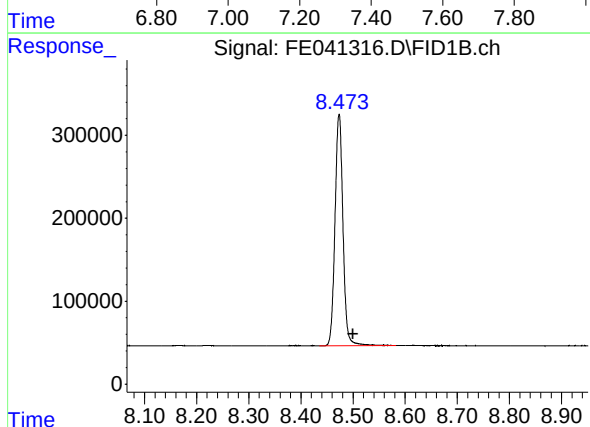
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.026 min
Response: 2928481
Conc: 17.68 ug/ml

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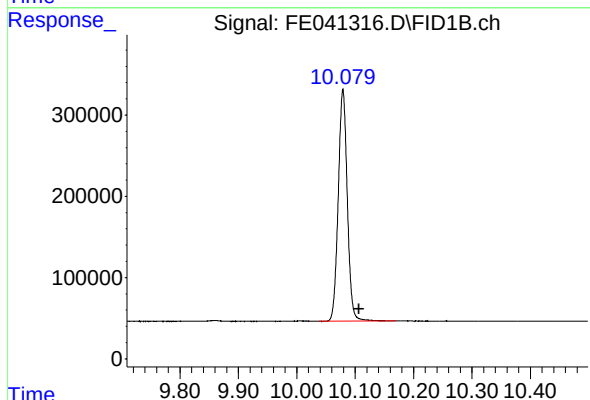
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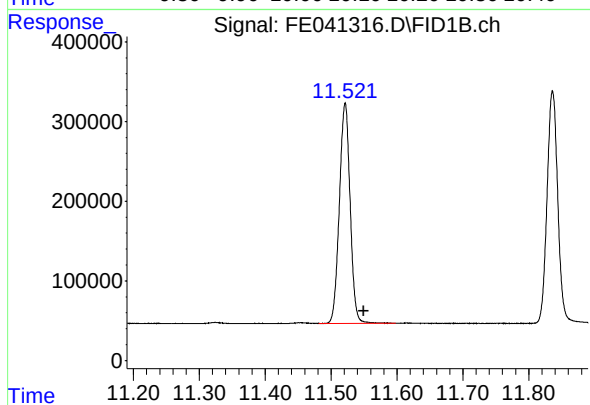
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 2973850
Conc: 17.06 ug/ml



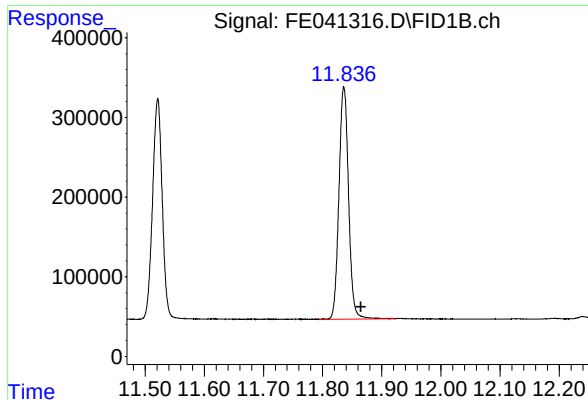
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.027 min
Response: 3074051
Conc: 17.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 3137389
Conc: 17.57 ug/ml



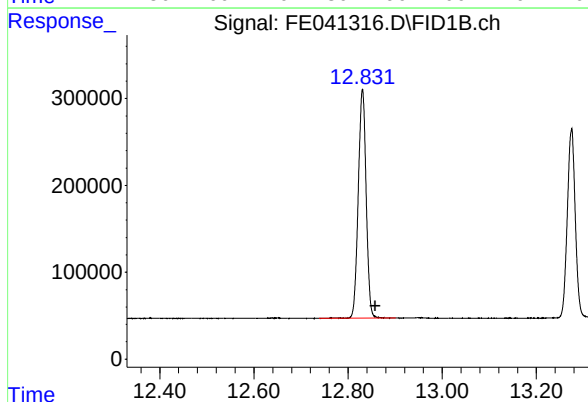
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.029 min
Response: 3291871
Conc: 17.52 ug/ml

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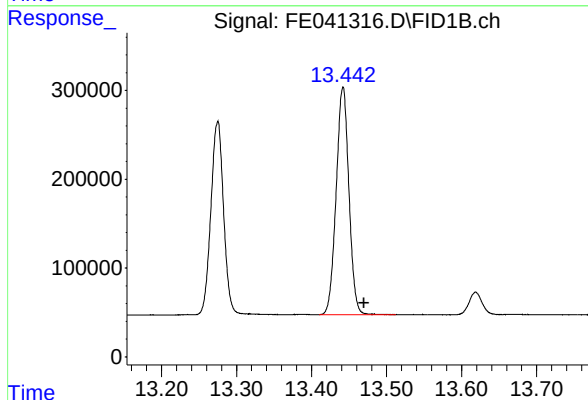
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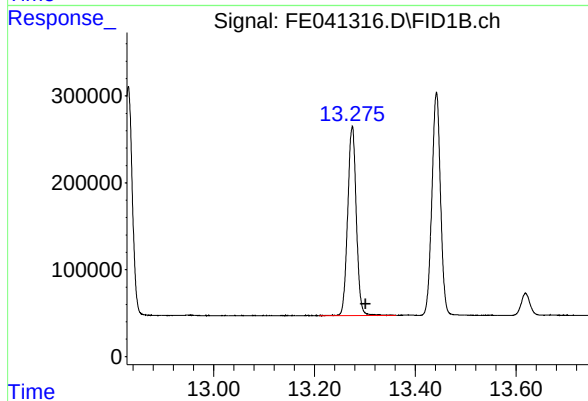
#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.028 min
Response: 3067455
Conc: 17.98 ug/ml



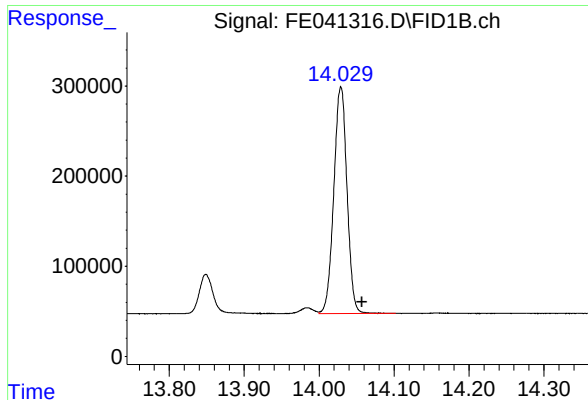
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 3038716
Conc: 17.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.027 min
Response: 2582376
Conc: 17.95 ug/ml



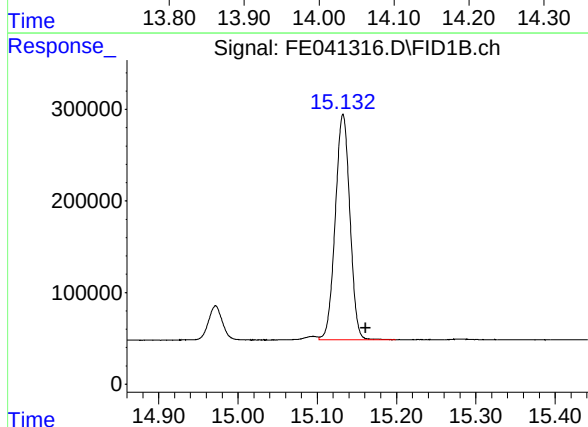
#13 n-Docosane (C22)

R.T.: 14.029 min
Delta R.T.: -0.028 min
Response: 3076512
Conc: 18.59 ug/ml

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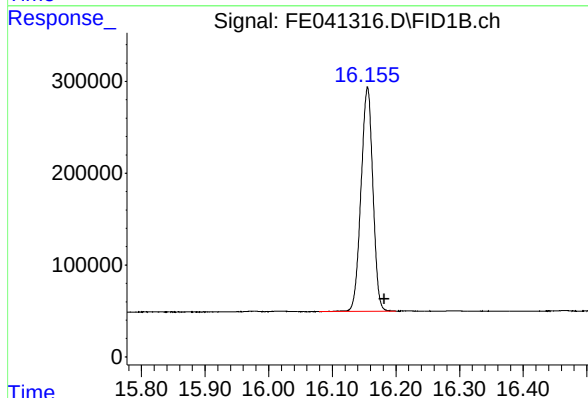
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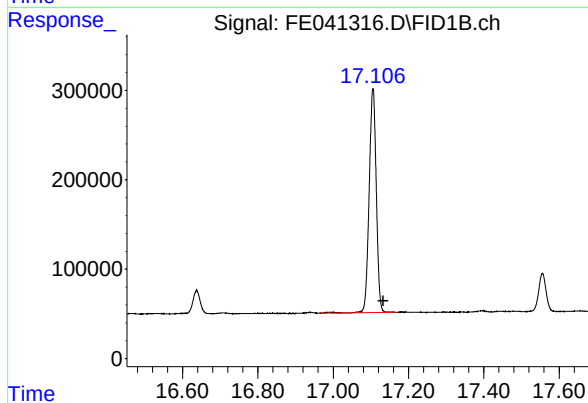
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.028 min
Response: 3161353
Conc: 19.54 ug/ml



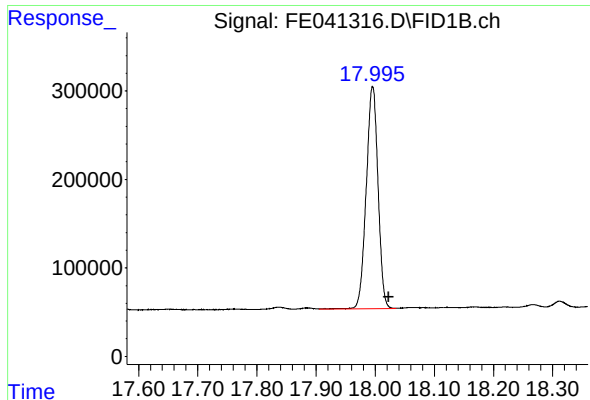
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.027 min
Response: 3158141
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.027 min
Response: 3300076
Conc: 21.54 ug/ml



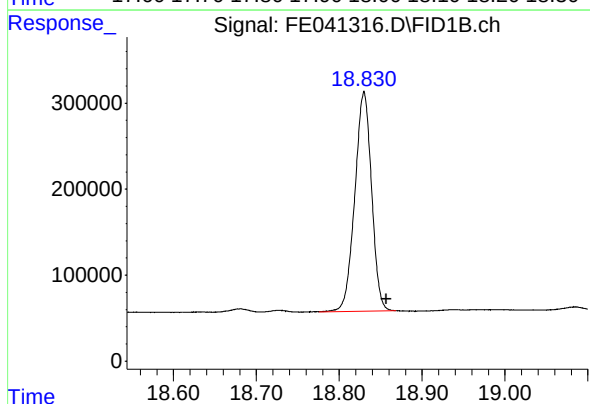
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.027 min
Response: 3479497
Conc: 22.76 ug/ml

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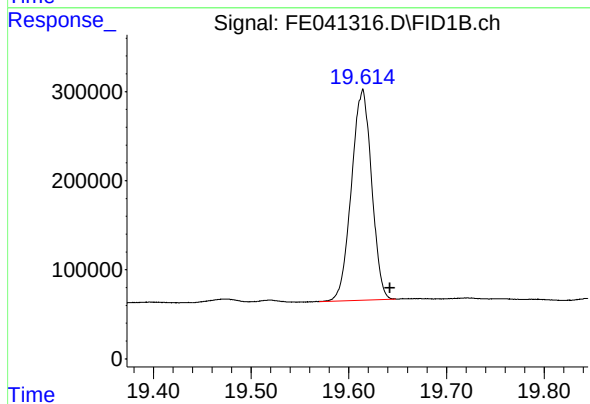
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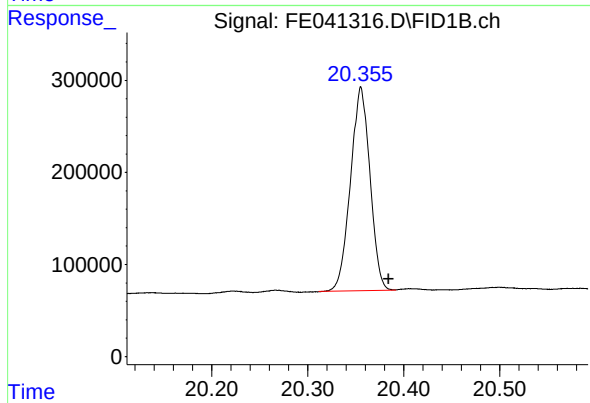
#18 n-Dotriacontane (C32)

R.T.: 18.830 min
Delta R.T.: -0.027 min
Response: 3585220
Conc: 22.96 ug/ml m



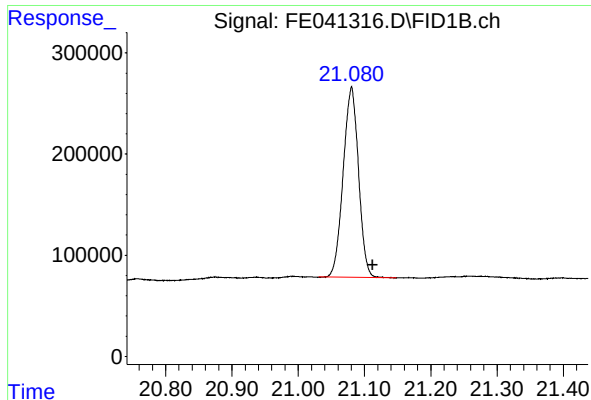
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.028 min
Response: 3392171
Conc: 21.89 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.029 min
Response: 3120844
Conc: 20.55 ug/ml m



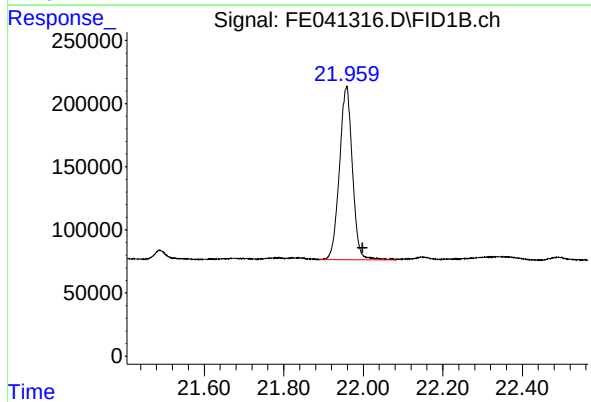
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.032 min
Response: 3020058
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.958 min
Delta R.T.: -0.040 min
Response: 3096163
Conc: 19.40 ug/ml