

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062223AL\
 Data File : FE042787.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jun 2023 08:35
 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 06/23/2023
 Supervised By :Ankita Jodhani 06/23/2023

Integration File: autoint1.e
 Quant Time: Jun 23 02:24:50 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062123.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 21 11:03:59 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)	11.925	3601308	19.604 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.362	2679105	19.686 ug/ml
Spiked Amount 50.000		Recovery =	39.37%
Target Compounds			
1) T n-Nonane (C9)	3.304	3025601	19.587 ug/ml
2) T n-Decane (C10)	4.556	3102698	19.643 ug/ml
3) T A~Naphthalene (C11.7)	6.266	3367822	19.890 ug/ml
4) T n-Dodecane (C12)	6.725	3149754	19.678 ug/ml
5) T A~2-methylnaphthalene...	7.363	3229679	19.920 ug/ml
6) T n-Tetradecane (C14)	8.555	3132849	19.685 ug/ml
7) T n-Hexadecane (C16)	10.163	3241011	19.678 ug/ml
8) T n-Octadecane (C18)	11.606	3264393	19.639 ug/ml
10) T n-Eicosane (C20)	12.916	3116135	19.638 ug/ml
11) T n-Heneicosane (C21)	13.528	3040972	19.655 ug/ml
13) T n-Docosane (C22)	14.114	2990088	19.629 ug/ml
14) T n-Tetracosane (C24)	15.218	2916927	19.659 ug/ml
15) T n-Hexacosane (C26)	16.239	2814476	19.687 ug/ml
16) T n-Octacosane (C28)	17.189	2735318	19.722 ug/ml
17) T n-Tricontane (C30)	18.077	2832192	20.026 ug/ml
18) T n-Dotriacontane (C32)	18.909	2832850	20.197 ug/ml
19) T n-Tetratriacontane (C34)	19.693	2750152	20.097 ug/ml
20) T n-Hexatriacontane (C36)	20.433	2644294	19.773 ug/mlm
21) T n-Octatriacontane (C38)	21.178	2640012	19.363 ug/ml
22) T n-Tetracontane (C40)	22.099	2797076	20.104 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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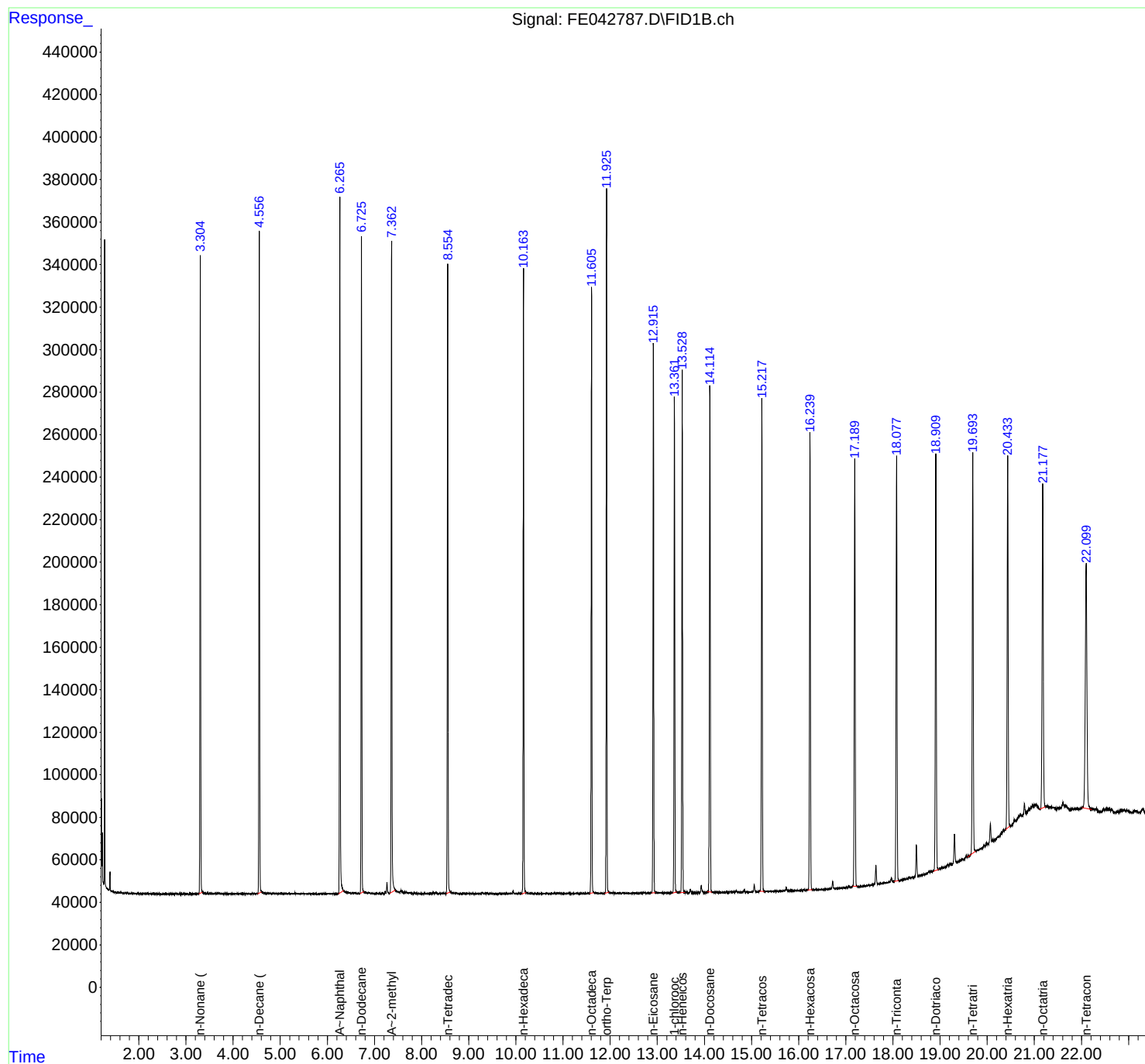
Instrument :
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20 PPM ALIPHATIC HC STD

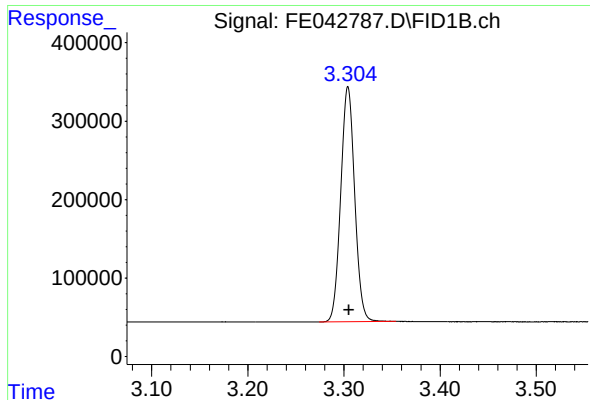
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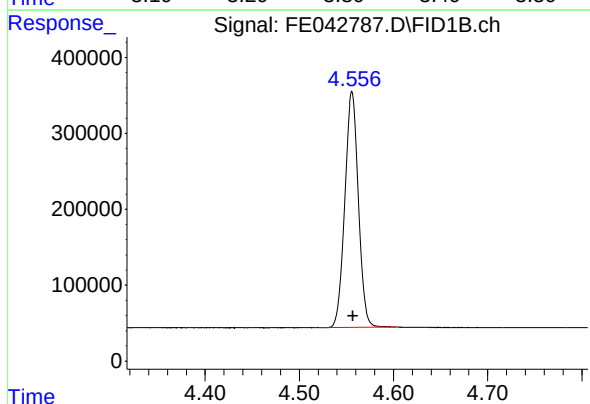
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: 0.000 min
Response: 3025601
Conc: 19.59 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

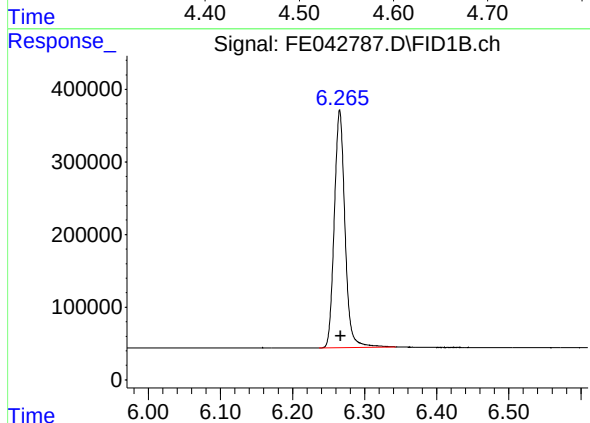
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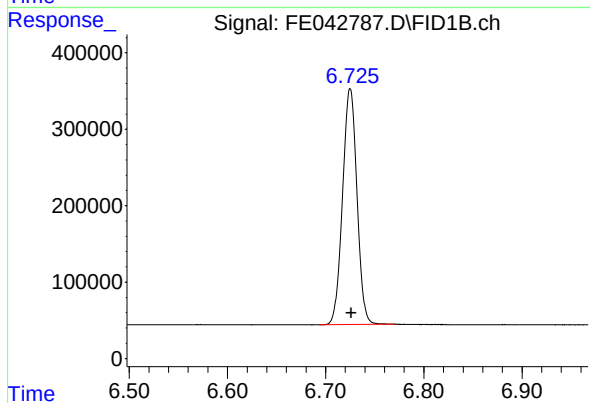
#2 n-Decane (C10)

R.T.: 4.556 min
Delta R.T.: -0.001 min
Response: 3102698
Conc: 19.64 ug/ml



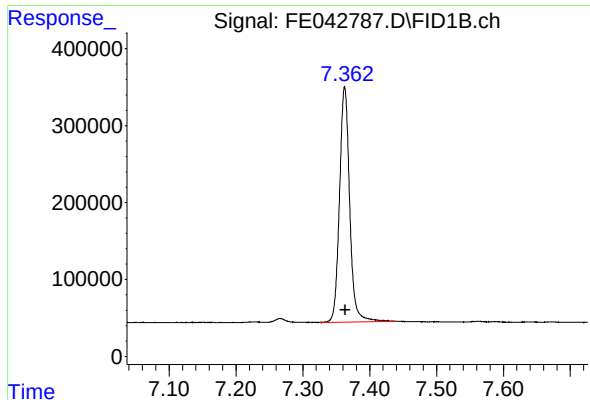
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: 0.000 min
Response: 3367822
Conc: 19.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.725 min
Delta R.T.: -0.001 min
Response: 3149754
Conc: 19.68 ug/ml



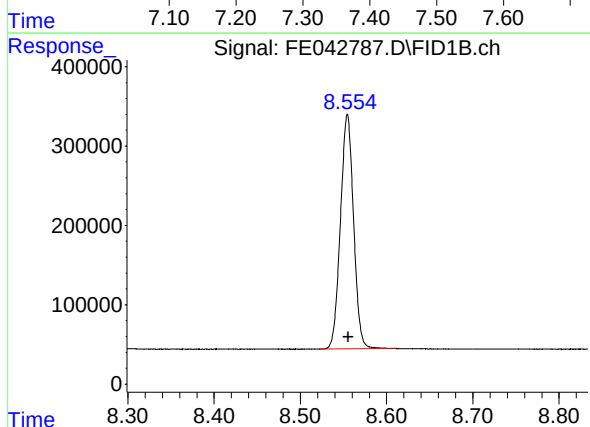
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 3229679
Conc: 19.92 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

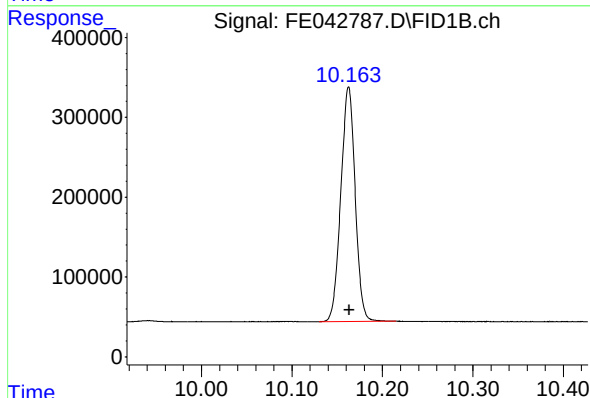
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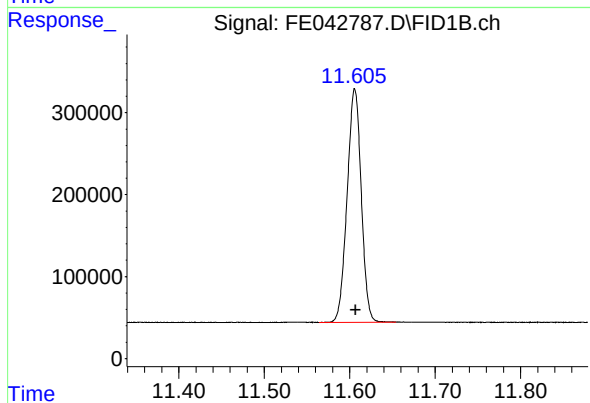
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 3132849
Conc: 19.68 ug/ml



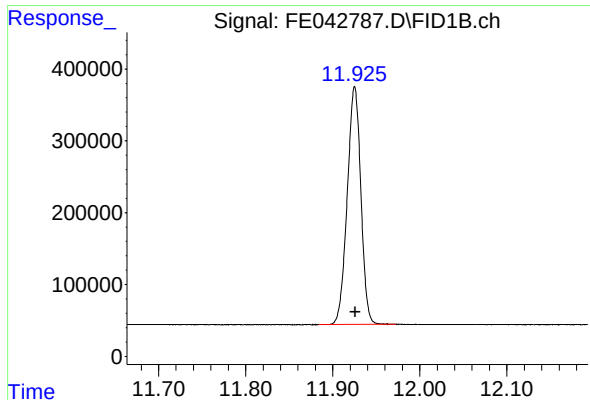
#7 n-Hexadecane (C16)

R.T.: 10.163 min
Delta R.T.: 0.000 min
Response: 3241011
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: 0.000 min
Response: 3264393
Conc: 19.64 ug/ml



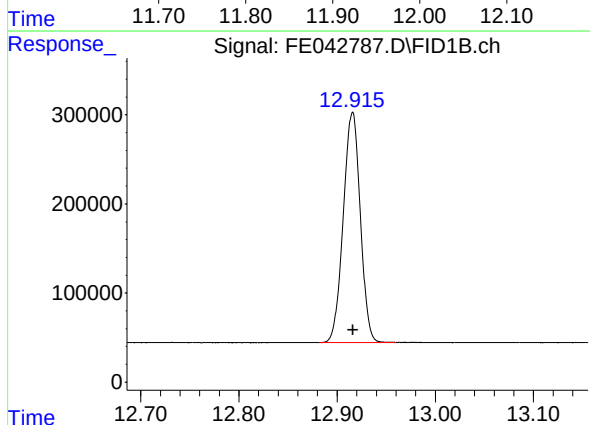
#9 ortho-Terphenyl (SURR)

R.T.: 11.925 min
Delta R.T.: 0.000 min
Response: 3601308
Conc: 19.60 ug/ml

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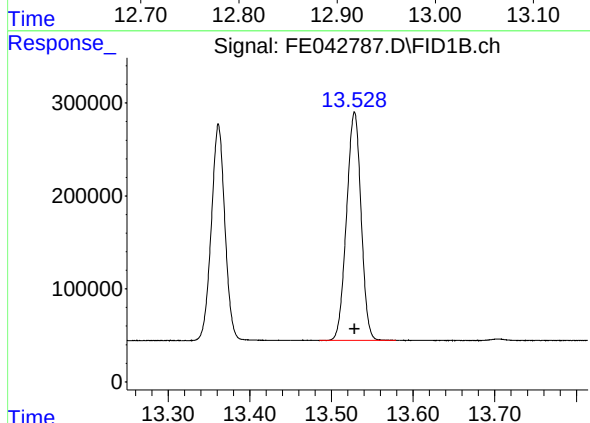
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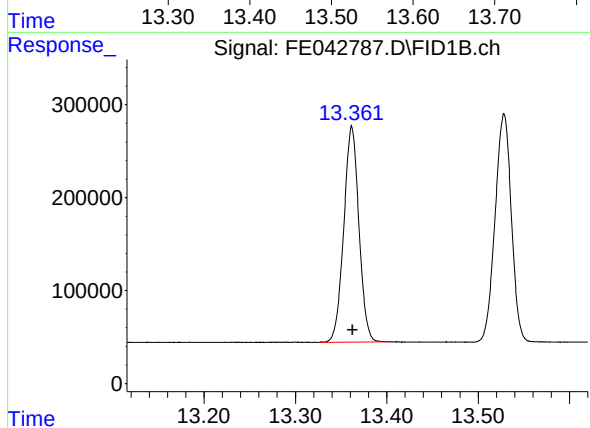
#10 n-Eicosane (C20)

R.T.: 12.916 min
Delta R.T.: 0.000 min
Response: 3116135
Conc: 19.64 ug/ml



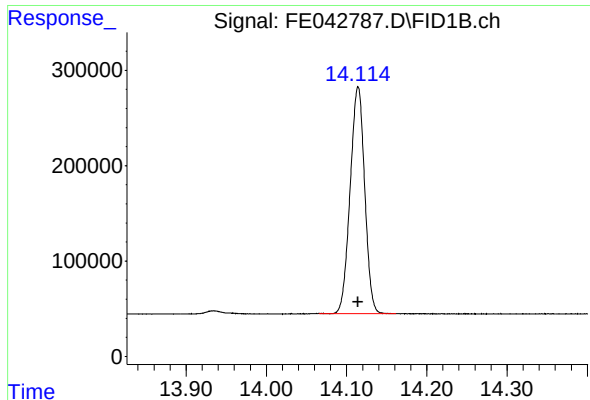
#11 n-Heneicosane (C21)

R.T.: 13.528 min
Delta R.T.: 0.000 min
Response: 3040972
Conc: 19.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: 0.000 min
Response: 2679105
Conc: 19.69 ug/ml



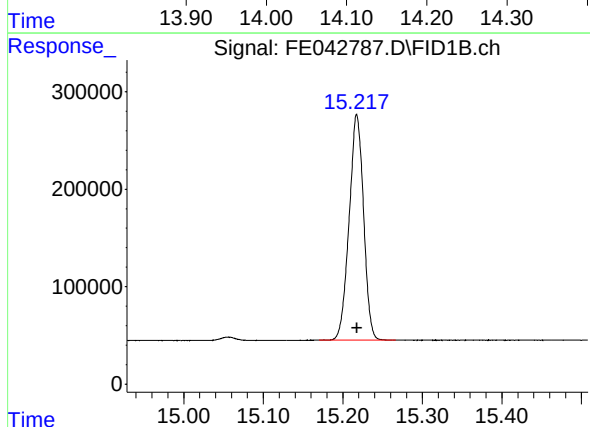
#13 n-Docosane (C22)

R.T.: 14.114 min
Delta R.T.: 0.000 min
Response: 2990088
Conc: 19.63 ug/ml

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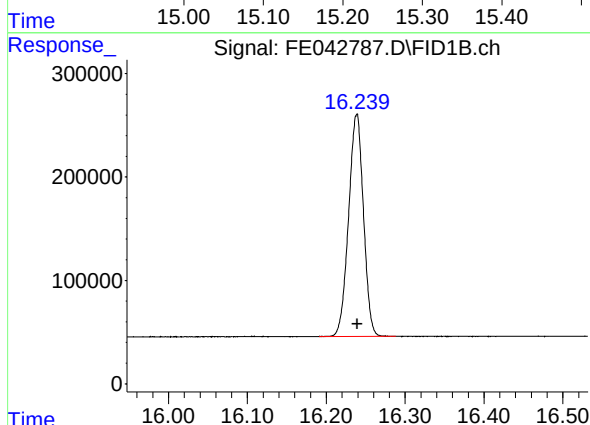
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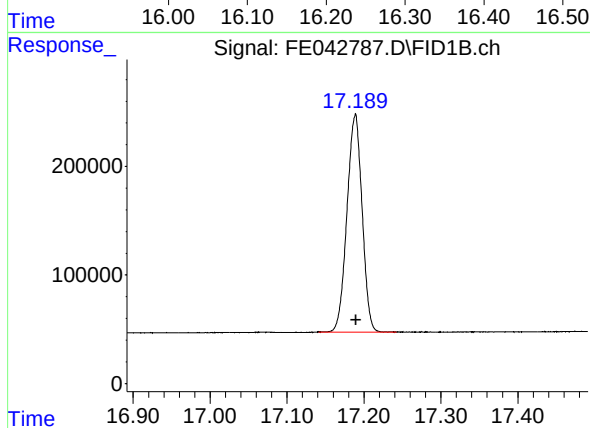
#14 n-Tetracosane (C24)

R.T.: 15.218 min
Delta R.T.: 0.000 min
Response: 2916927
Conc: 19.66 ug/ml



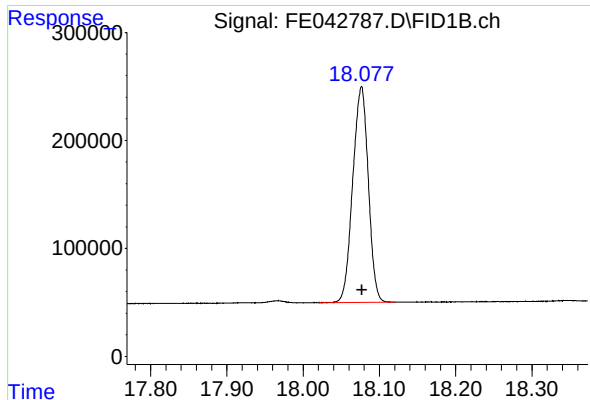
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: 0.000 min
Response: 2814476
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.189 min
Delta R.T.: 0.000 min
Response: 2735318
Conc: 19.72 ug/ml



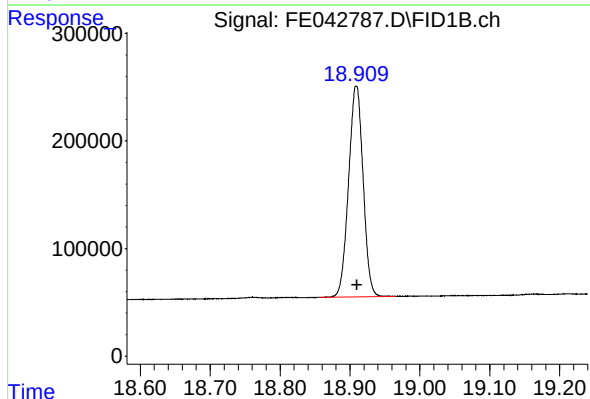
#17 n-Tricontane (C30)

R.T.: 18.077 min
Delta R.T.: 0.000 min
Response: 2832192
Conc: 20.03 ug/ml

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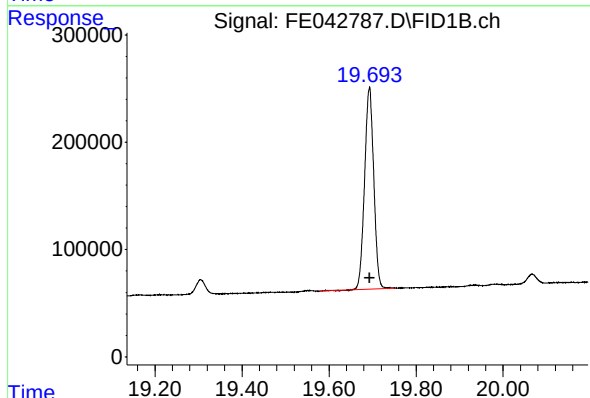
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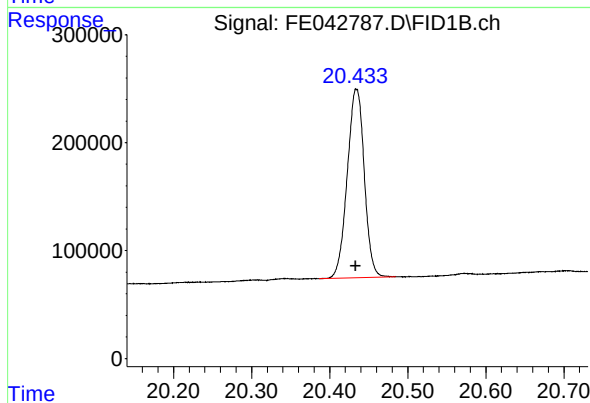
#18 n-Dotriacontane (C32)

R.T.: 18.909 min
Delta R.T.: 0.000 min
Response: 2832850
Conc: 20.20 ug/ml



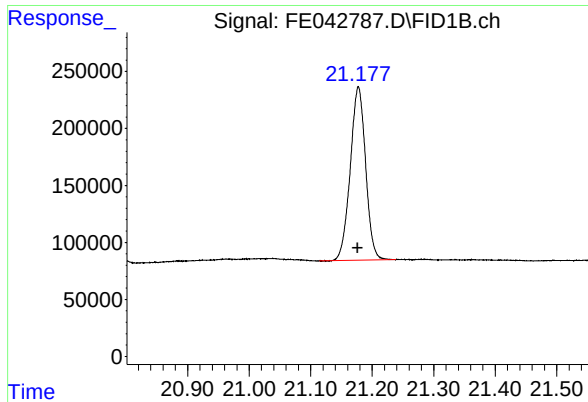
#19 n-Tetratriacontane (C34)

R.T.: 19.693 min
Delta R.T.: 0.000 min
Response: 2750152
Conc: 20.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.433 min
Delta R.T.: 0.000 min
Response: 2644294
Conc: 19.77 ug/ml m



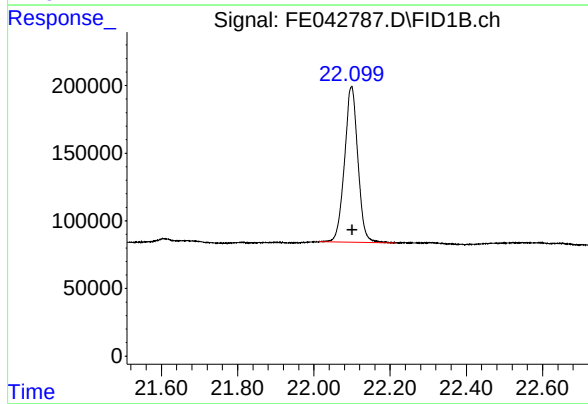
#21 n-Octatriacontane (C38)

R.T.: 21.178 min
Delta R.T.: 0.001 min
Response: 2640012
Conc: 19.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: -0.002 min
Response: 2797076
Conc: 20.10 ug/ml