

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053024AL\
 Data File : FE048463.D
 Signal(s) : FID1B.ch
 Acq On : 30 May 2024 20:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/31/2024
 Supervised By :Ankita Jodhani 05/31/2024

Integration File: autoint1.e
 Quant Time: May 31 01:35:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.952	2649061	18.448 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.386	2013186	18.479 ug/ml
Spiked Amount 50.000		Recovery =	36.96%
Target Compounds			
1) T n-Nonane (C9)	3.338	2681863	17.938 ug/ml
2) T n-Decane (C10)	4.588	2751841	18.224 ug/ml
3) T A~Naphthalene (C11.7)	6.295	2736873	18.381 ug/ml
4) T n-Dodecane (C12)	6.753	2711319	18.316 ug/ml
5) T A~2-methylnaphthalene...	7.390	2573101	18.558 ug/ml
6) T n-Tetradecane (C14)	8.582	2606178	18.375 ug/ml
7) T n-Hexadecane (C16)	10.189	2608270	18.501 ug/ml
8) T n-Octadecane (C18)	11.631	2573229	18.528 ug/ml
10) T n-Eicosane (C20)	12.941	2455916	18.558 ug/ml
11) T n-Heneicosane (C21)	13.553	2392622	18.472 ug/ml
13) T n-Docosane (C22)	14.139	2415562	18.745 ug/ml
14) T n-Tetracosane (C24)	15.241	2488585	19.209 ug/ml
15) T n-Hexacosane (C26)	16.260	2537801	19.581 ug/ml
16) T n-Octacosane (C28)	17.209	2618482	20.259 ug/ml
17) T n-Tricontane (C30)	18.098	2766133	20.649 ug/mlm
18) T n-Dotriacontane (C32)	18.929	2811608	20.713 ug/ml
19) T n-Tetratriacontane (C34)	19.711	2696935	19.714 ug/ml
20) T n-Hexatriacontane (C36)	20.451	2598811	19.118 ug/mlm
21) T n-Octatriacontane (C38)	21.188	2607987	19.124 ug/ml
22) T n-Tetracontane (C40)	22.109	2643054	19.303 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

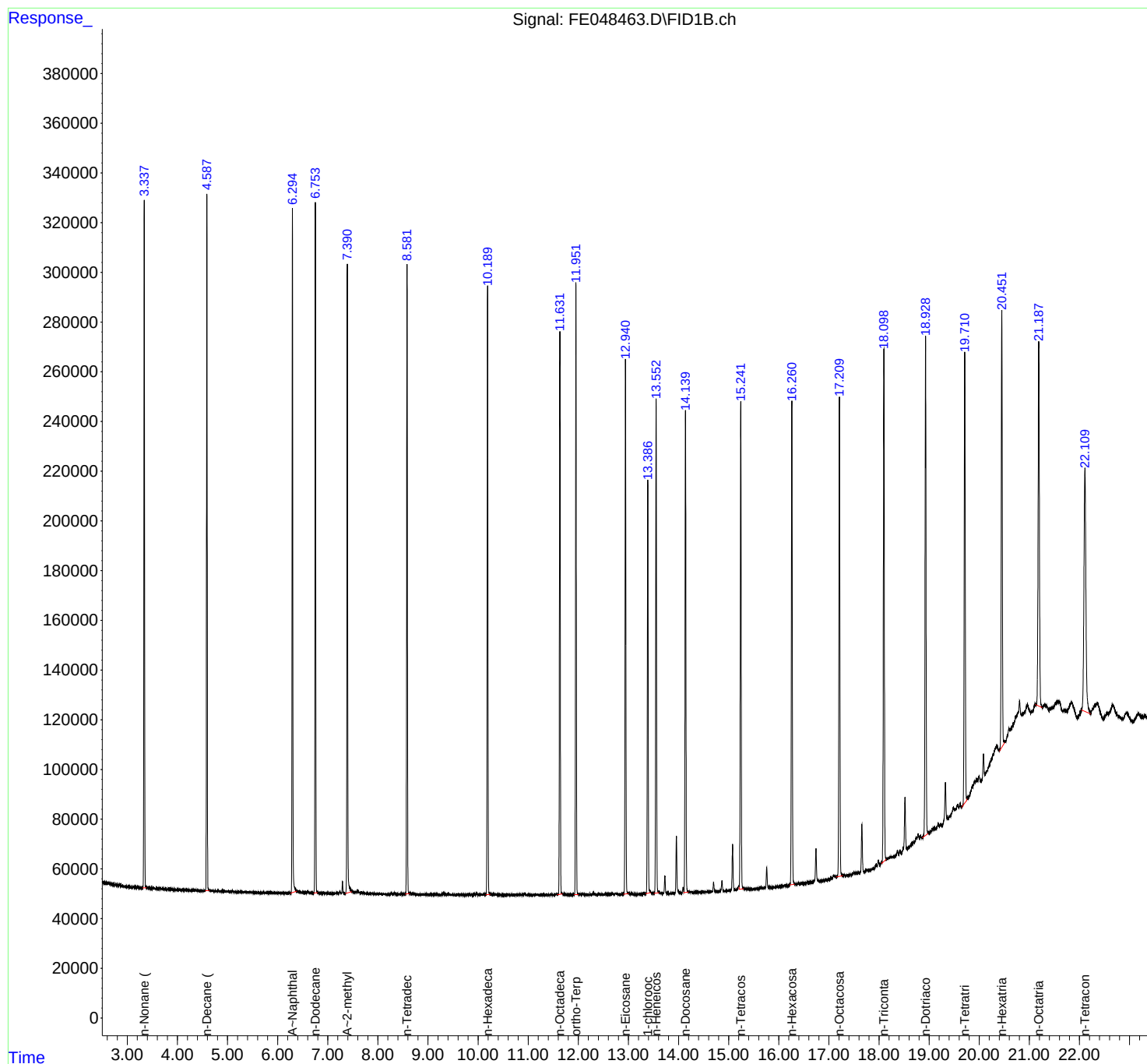
Instrument :
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20 PPM ALIPHATIC HC STD

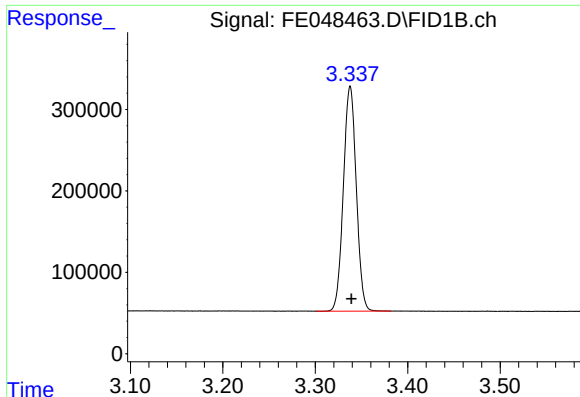
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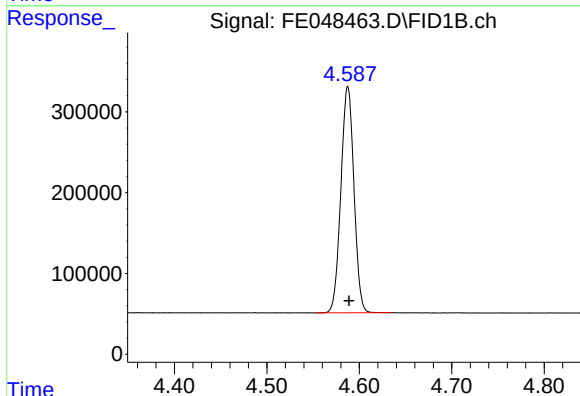
#1 n-Nonane (C9)

R.T.: 3.338 min
Delta R.T.: -0.001 min
Response: 2681863
Conc: 17.94 ug/ml

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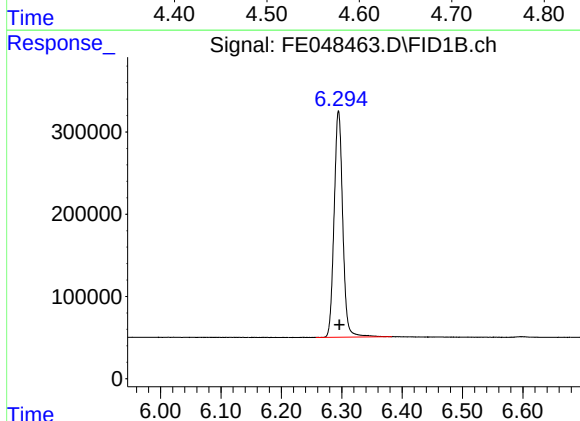
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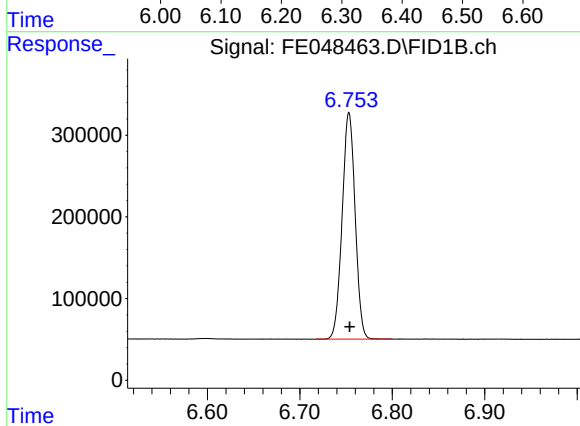
#2 n-Decane (C10)

R.T.: 4.588 min
Delta R.T.: -0.001 min
Response: 2751841
Conc: 18.22 ug/ml



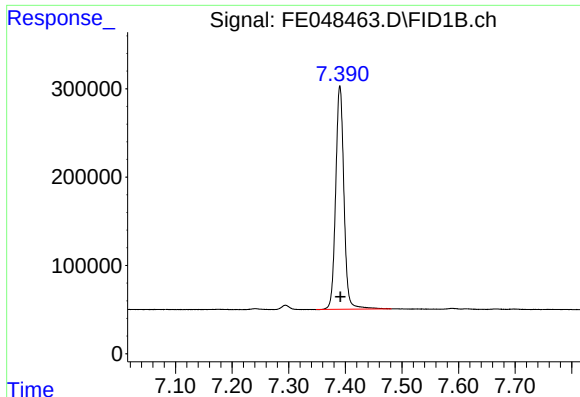
#3 A~Naphthalene (C11.7)

R.T.: 6.295 min
Delta R.T.: -0.001 min
Response: 2736873
Conc: 18.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 2711319
Conc: 18.32 ug/ml



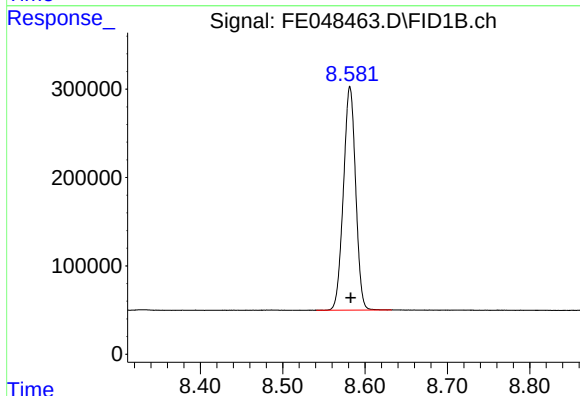
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.390 min
Delta R.T.: 0.000 min
Response: 2573101
Conc: 18.56 ug/ml

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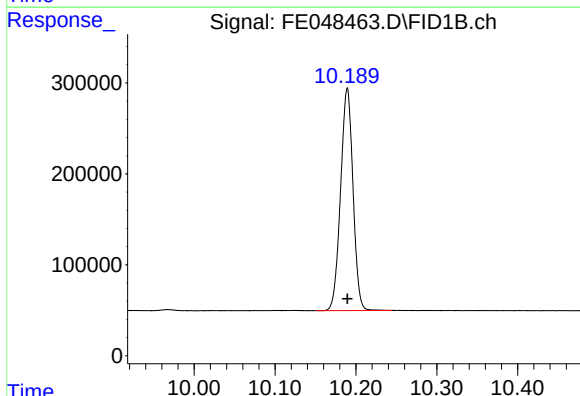
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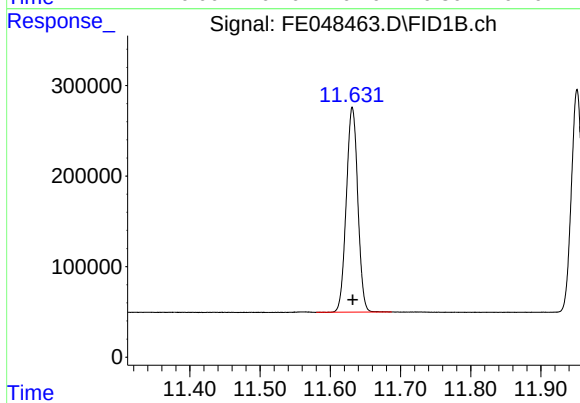
#6 n-Tetradecane (C14)

R.T.: 8.582 min
Delta R.T.: 0.000 min
Response: 2606178
Conc: 18.37 ug/ml



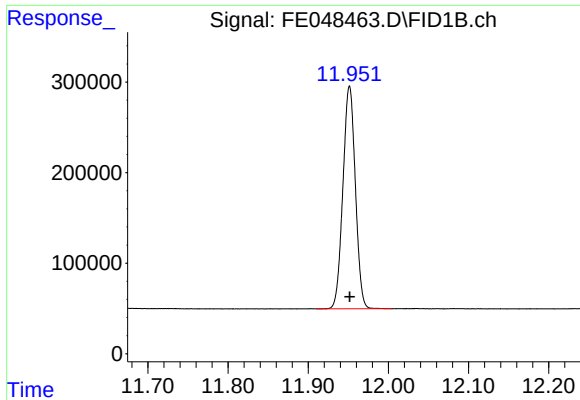
#7 n-Hexadecane (C16)

R.T.: 10.189 min
Delta R.T.: 0.000 min
Response: 2608270
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.631 min
Delta R.T.: 0.000 min
Response: 2573229
Conc: 18.53 ug/ml



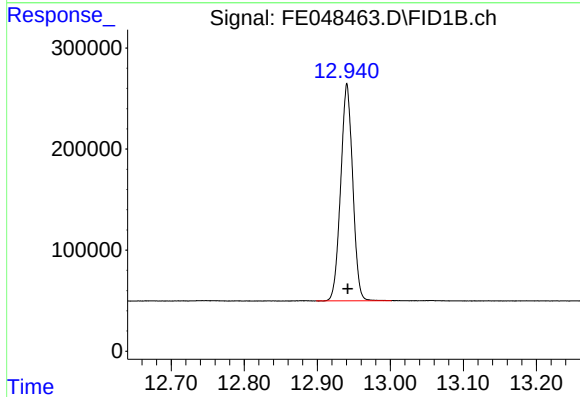
#9 ortho-Terphenyl (SURR)

R.T.: 11.952 min
Delta R.T.: 0.000 min
Response: 2649061
Conc: 18.45 ug/ml

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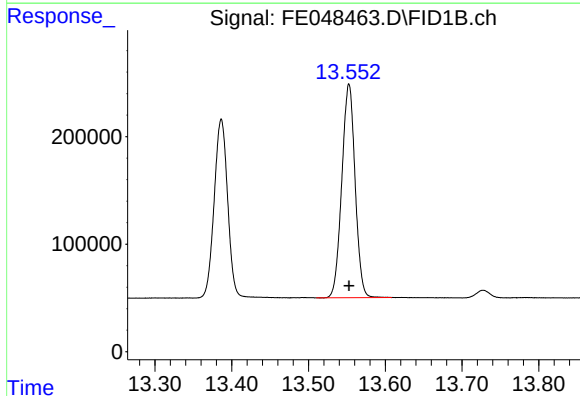
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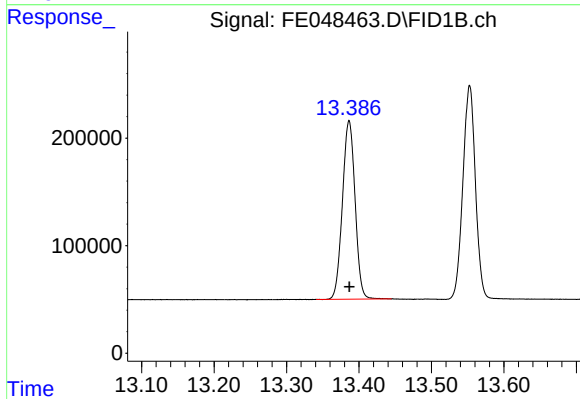
#10 n-Eicosane (C20)

R.T.: 12.941 min
Delta R.T.: -0.001 min
Response: 2455916
Conc: 18.56 ug/ml



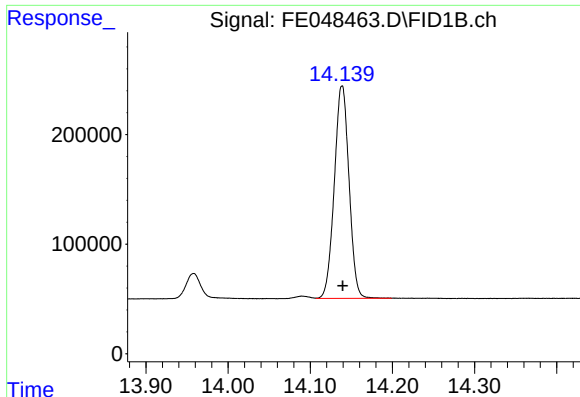
#11 n-Heneicosane (C21)

R.T.: 13.553 min
Delta R.T.: 0.000 min
Response: 2392622
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.386 min
Delta R.T.: 0.000 min
Response: 2013186
Conc: 18.48 ug/ml



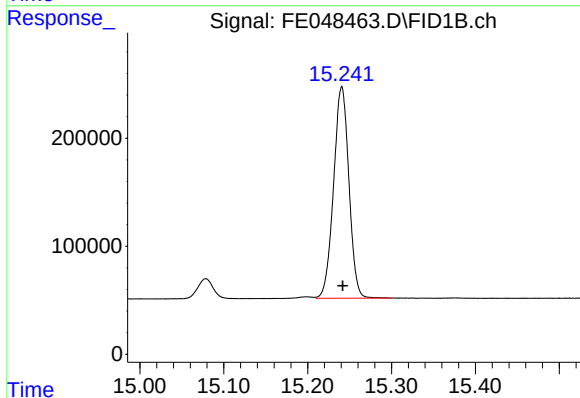
#13 n-Docosane (C22)

R.T.: 14.139 min
Delta R.T.: 0.000 min
Response: 2415562
Conc: 18.75 ug/ml

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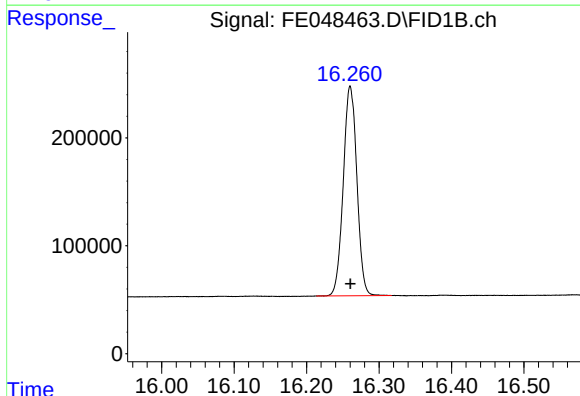
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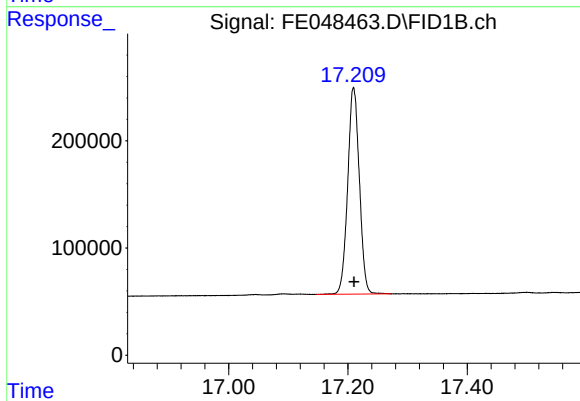
#14 n-Tetracosane (C24)

R.T.: 15.241 min
Delta R.T.: -0.001 min
Response: 2488585
Conc: 19.21 ug/ml



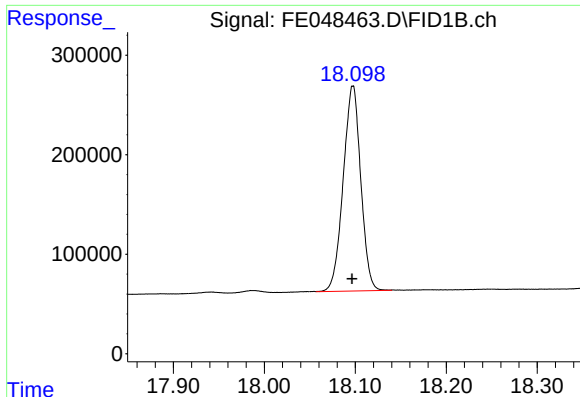
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: 0.000 min
Response: 2537801
Conc: 19.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.209 min
Delta R.T.: 0.000 min
Response: 2618482
Conc: 20.26 ug/ml



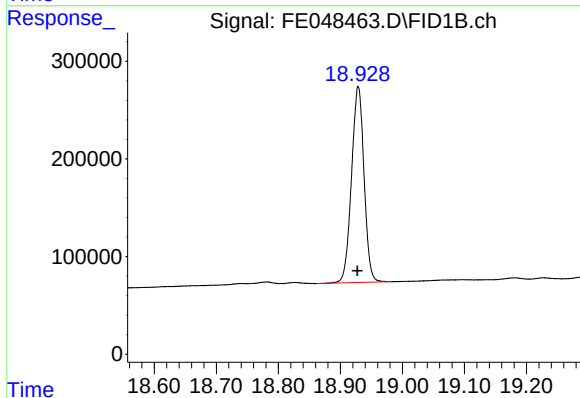
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: 0.001 min
Response: 2766133
Conc: 20.65 ug/ml

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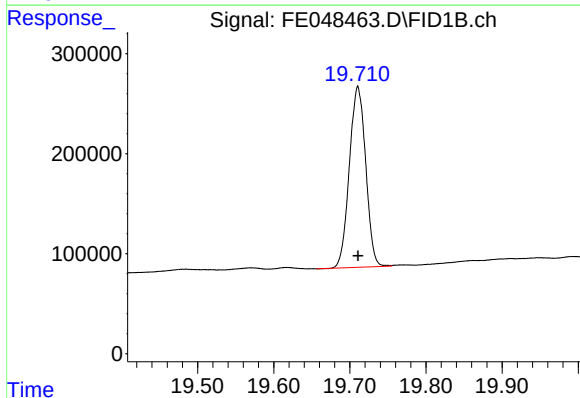
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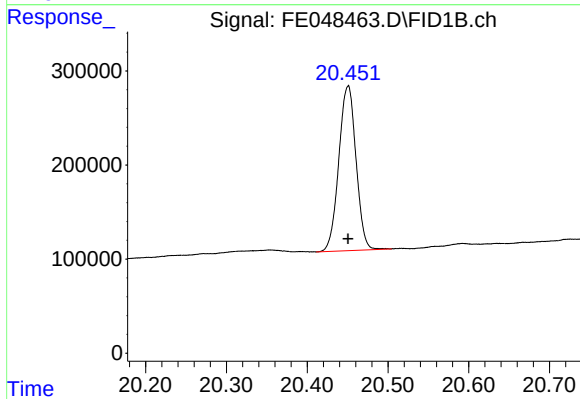
#18 n-Dotriacontane (C32)

R.T.: 18.929 min
Delta R.T.: 0.001 min
Response: 2811608
Conc: 20.71 ug/ml



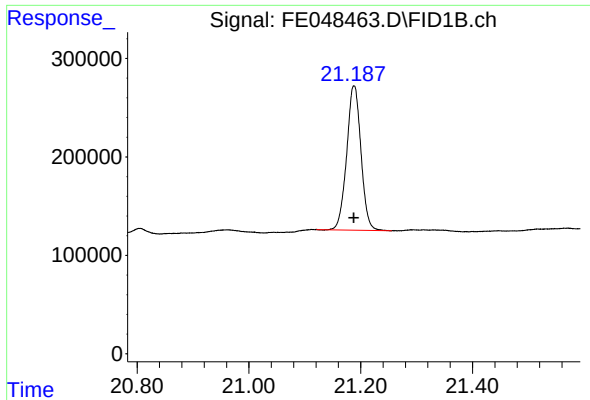
#19 n-Tetratriacontane (C34)

R.T.: 19.711 min
Delta R.T.: 0.000 min
Response: 2696935
Conc: 19.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: 0.000 min
Response: 2598811
Conc: 19.12 ug/ml m



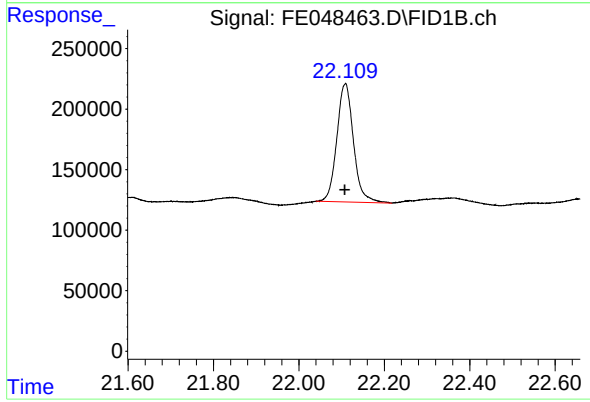
#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: 0.000 min
Response: 2607987
Conc: 19.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: 0.002 min
Response: 2643054
Conc: 19.30 ug/ml