

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
 Data File : FE050231.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2024 04:44
 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 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 05:08:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.869	2845019	19.122 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
12) S 1-chlorooctadecane (S...	13.304	2154255	19.178 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.258	2458344	18.137 ug/mlm
2) T n-Decane (C10)	4.509	2552315	18.494 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2619728	18.717 ug/ml
4) T n-Dodecane (C12)	6.676	2558518	18.502 ug/ml
5) T A~2-methylnaphthalene...	7.314	2454066	18.671 ug/ml
6) T n-Tetradecane (C14)	8.503	2546463	18.700 ug/ml
7) T n-Hexadecane (C16)	10.108	2621870	18.876 ug/ml
8) T n-Octadecane (C18)	11.550	2666765	19.034 ug/ml
10) T n-Eicosane (C20)	12.858	2544134	18.966 ug/ml
11) T n-Heneicosane (C21)	13.470	2523459	19.205 ug/ml
13) T n-Docosane (C22)	14.055	2514266	19.308 ug/ml
14) T n-Tetracosane (C24)	15.156	2524096	19.328 ug/ml
15) T n-Hexacosane (C26)	16.176	2491299	19.473 ug/ml
16) T n-Octacosane (C28)	17.124	2577438	20.010 ug/ml
17) T n-Tricontane (C30)	18.011	2797826	20.923 ug/ml
18) T n-Dotriacontane (C32)	18.843	2872507	21.556 ug/ml
19) T n-Tetratriacontane (C34)	19.626	2645190	21.408 ug/ml
20) T n-Hexatriacontane (C36)	20.364	2346143	21.146 ug/ml
21) T n-Octatriacontane (C38)	21.089	2178987	19.759 ug/ml
22) T n-Tetracontane (C40)	21.979	2022374	18.585 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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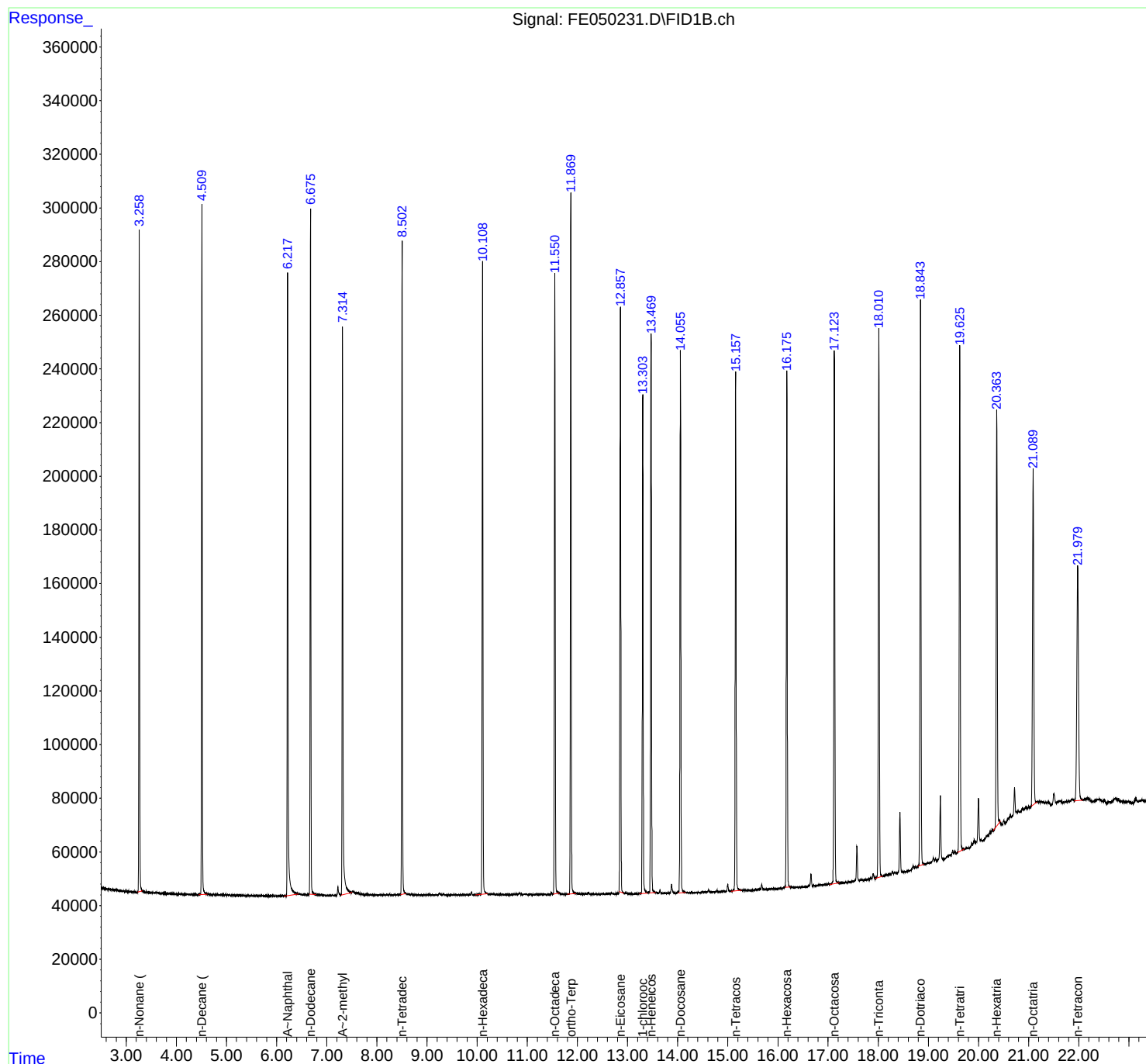
Instrument :
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20 PPM ALIPHATIC HC STD

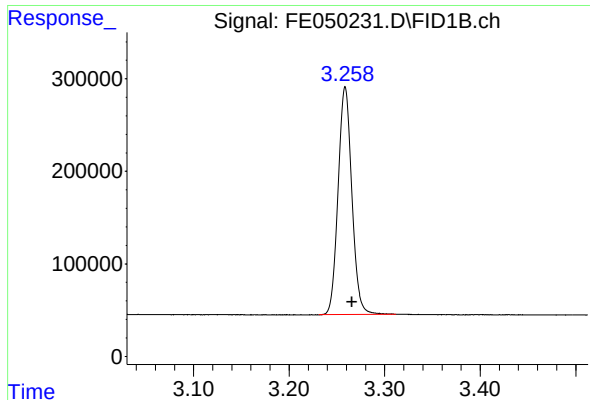
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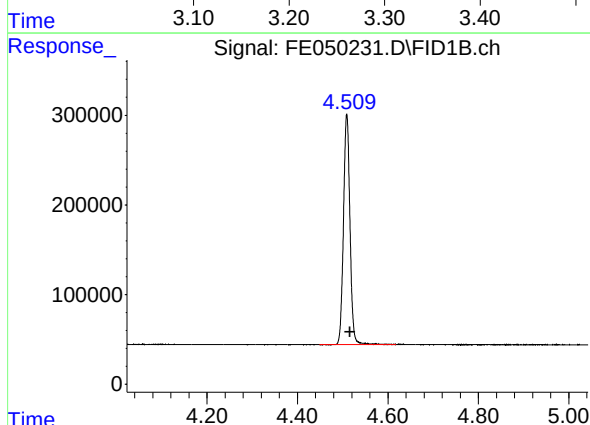
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.008 min
Response: 2458344
Conc: 18.14 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

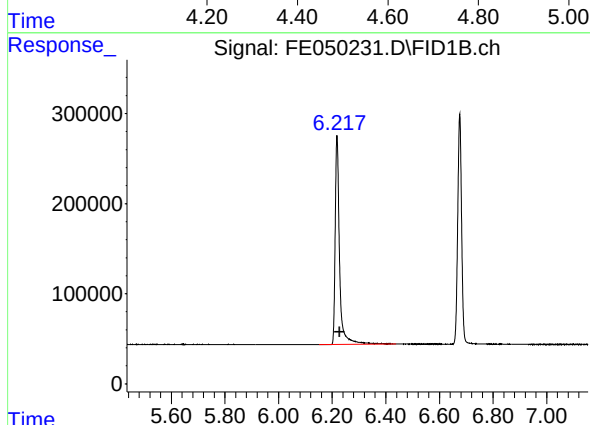
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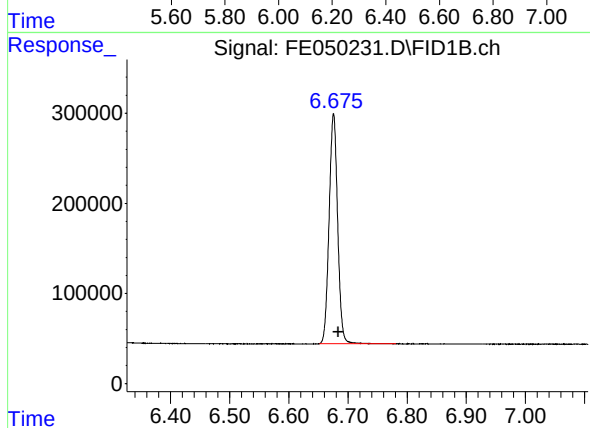
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.008 min
Response: 2552315
Conc: 18.49 ug/ml



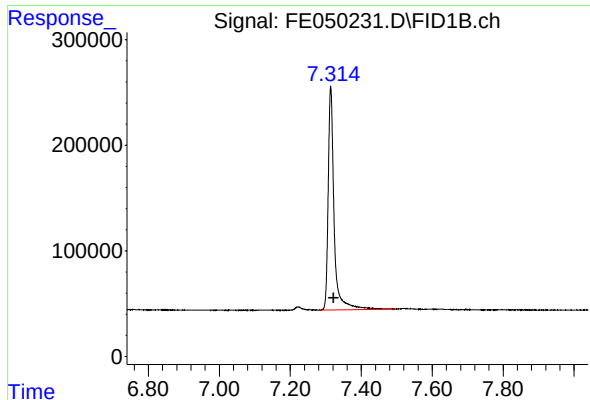
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.009 min
Response: 2619728
Conc: 18.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.008 min
Response: 2558518
Conc: 18.50 ug/ml



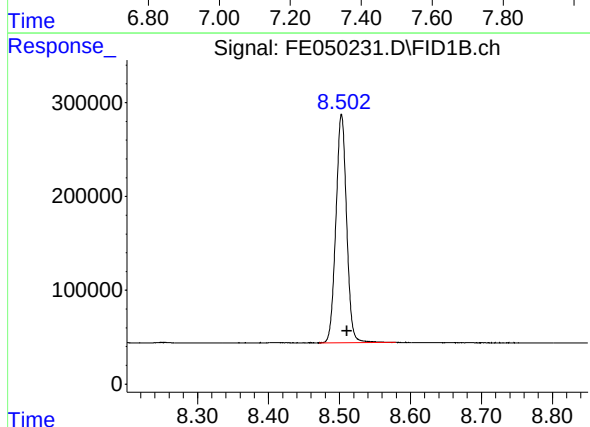
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.009 min
Response: 2454066
Conc: 18.67 ug/ml

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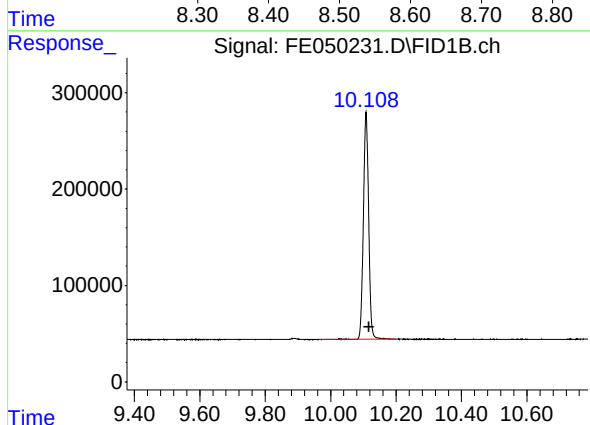
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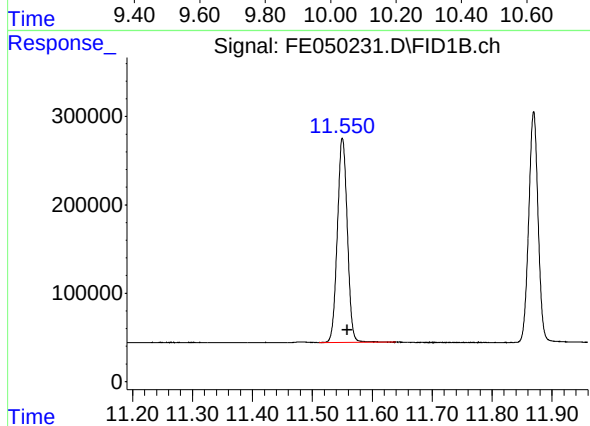
#6 n-Tetradecane (C14)

R.T.: 8.503 min
Delta R.T.: -0.008 min
Response: 2546463
Conc: 18.70 ug/ml



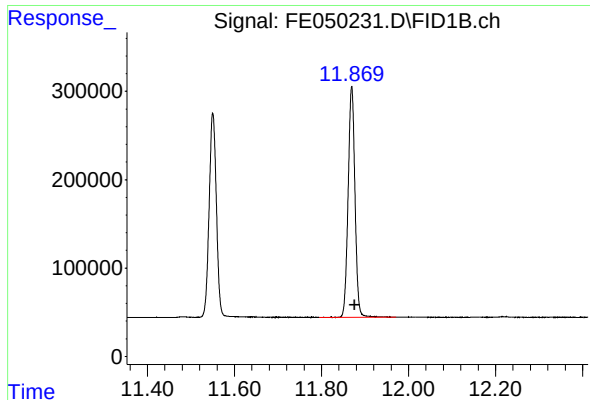
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.009 min
Response: 2621870
Conc: 18.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.008 min
Response: 2666765
Conc: 19.03 ug/ml



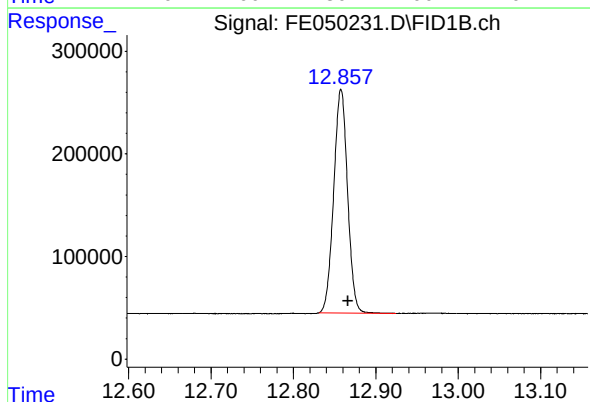
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.007 min
Response: 2845019
Conc: 19.12 ug/ml

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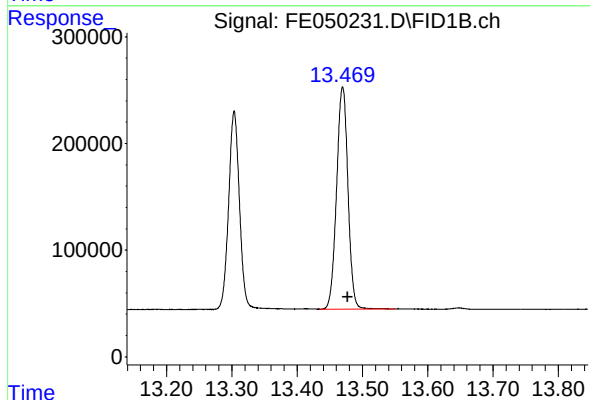
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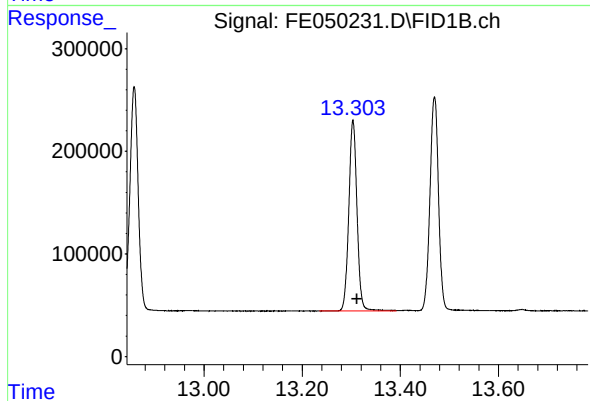
#10 n-Eicosane (C20)

R.T.: 12.858 min
Delta R.T.: -0.008 min
Response: 2544134
Conc: 18.97 ug/ml



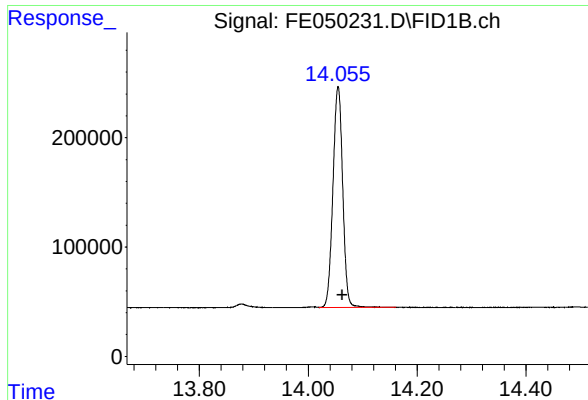
#11 n-Heneicosane (C21)

R.T.: 13.470 min
Delta R.T.: -0.008 min
Response: 2523459
Conc: 19.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.304 min
Delta R.T.: -0.008 min
Response: 2154255
Conc: 19.18 ug/ml



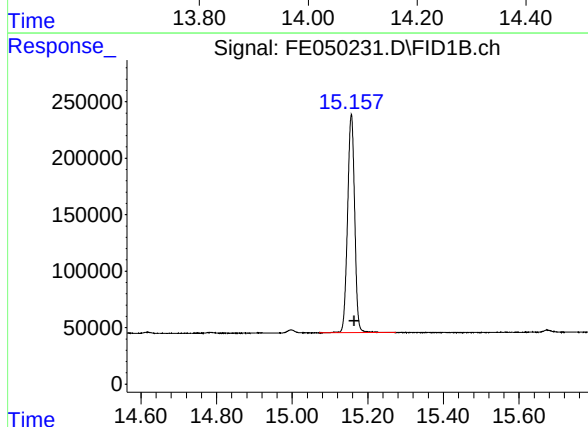
#13 n-Docosane (C22)

R.T.: 14.055 min
Delta R.T.: -0.008 min
Response: 2514266
Conc: 19.31 ug/ml

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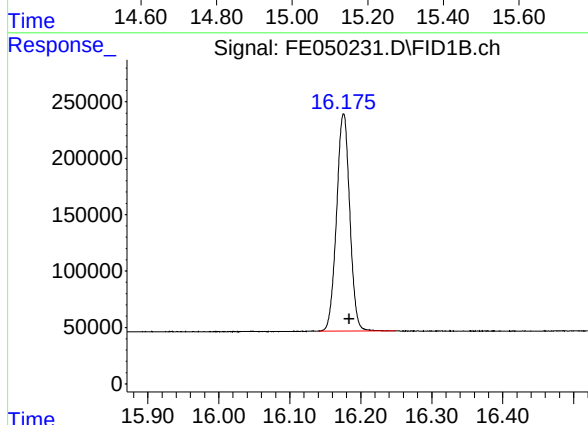
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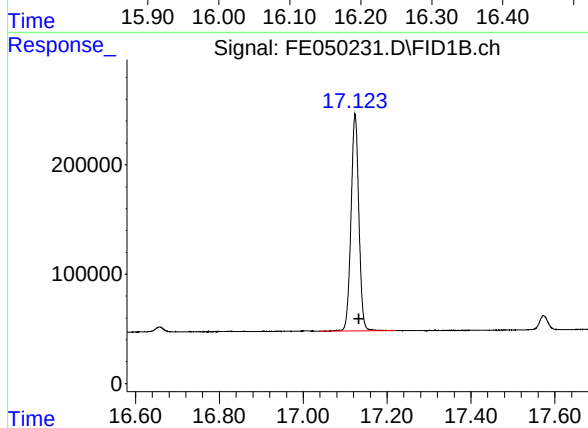
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: -0.008 min
Response: 2524096
Conc: 19.33 ug/ml



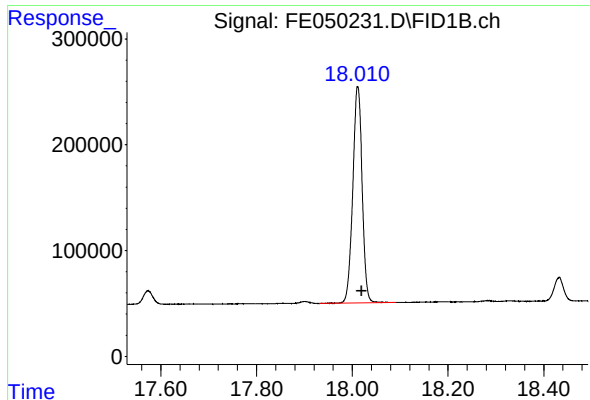
#15 n-Hexacosane (C26)

R.T.: 16.176 min
Delta R.T.: -0.008 min
Response: 2491299
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.009 min
Response: 2577438
Conc: 20.01 ug/ml



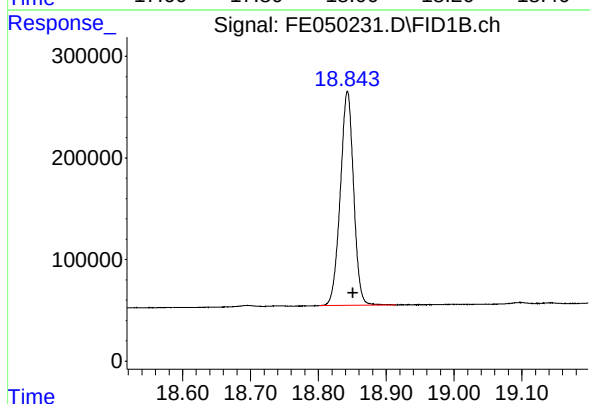
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.008 min
Response: 2797826
Conc: 20.92 ug/ml

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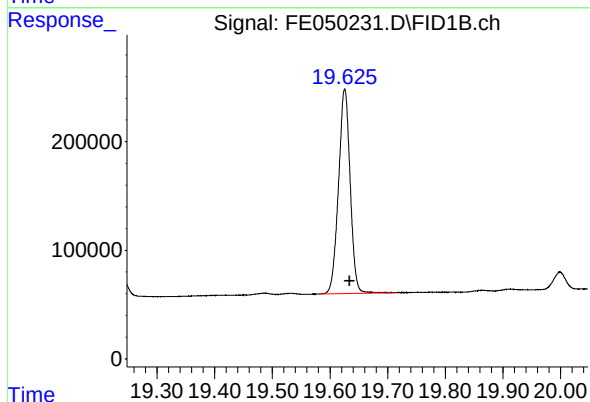
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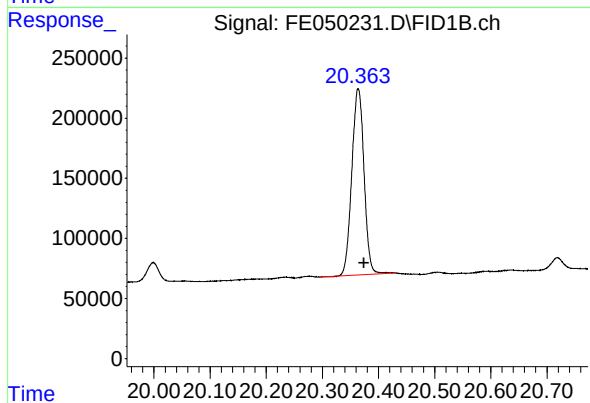
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.008 min
Response: 2872507
Conc: 21.56 ug/ml



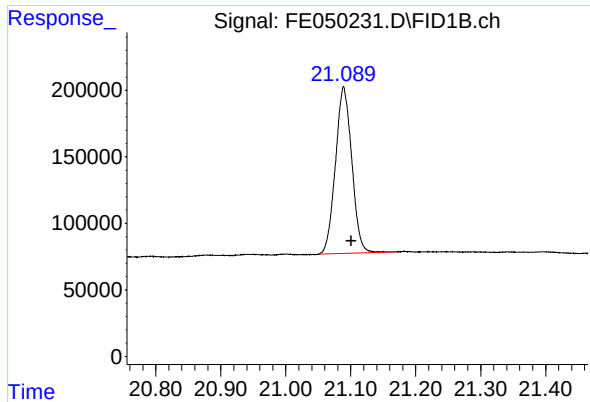
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.008 min
Response: 2645190
Conc: 21.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.010 min
Response: 2346143
Conc: 21.15 ug/ml



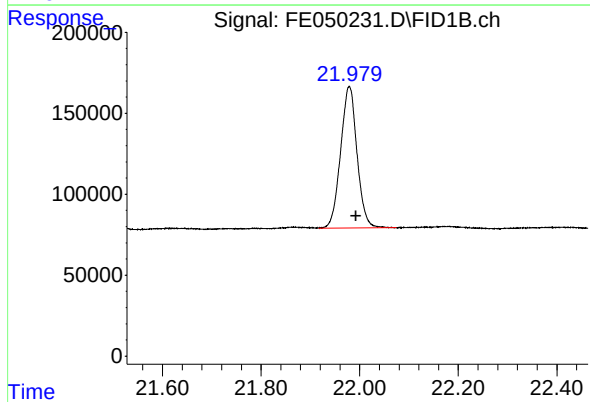
#21 n-Octatriacontane (C38)

R.T.: 21.089 min
Delta R.T.: -0.012 min
Response: 2178987
Conc: 19.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.979 min
Delta R.T.: -0.013 min
Response: 2022374
Conc: 18.59 ug/ml m