

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091123AL\
 Data File : FE044179.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2023 11:07
 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 09/11/2023
 Supervised By :Ankita Jodhani 09/12/2023

Integration File: autoint1.e
 Quant Time: Sep 11 12:24:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.931	3840098	20.270 ug/ml
Spiked Amount 50.000		Recovery =	40.54%
12) S 1-chlorooctadecane (S...	13.369	2828569	20.475 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
Target Compounds			
1) T n-Nonane (C9)	3.320	3127800	19.173 ug/ml
2) T n-Decane (C10)	4.571	3220659	19.377 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3459817	19.321 ug/ml
4) T n-Dodecane (C12)	6.734	3266219	19.421 ug/ml
5) T A~2-methylnaphthalene...	7.366	3365827	19.633 ug/ml
6) T n-Tetradecane (C14)	8.561	3263389	19.459 ug/ml
7) T n-Hexadecane (C16)	10.170	3334762	19.294 ug/ml
8) T n-Octadecane (C18)	11.614	3350320	19.247 ug/ml
10) T n-Eicosane (C20)	12.924	3264484	19.736 ug/ml
11) T n-Heneicosane (C21)	13.537	3177757	19.646 ug/ml
13) T n-Docosane (C22)	14.123	3251888	20.355 ug/ml
14) T n-Tetracosane (C24)	15.226	3371440	21.560 ug/ml
15) T n-Hexacosane (C26)	16.248	3428039	22.739 ug/ml
16) T n-Octacosane (C28)	17.198	3497389	24.235 ug/ml
17) T n-Tricontane (C30)	18.087	3616914	24.896 ug/ml
18) T n-Dotriacontane (C32)	18.922	3514346	24.671 ug/ml
19) T n-Tetratriacontane (C34)	19.706	3101536	22.163 ug/ml
20) T n-Hexatriacontane (C36)	20.448	2914940	21.262 ug/ml
21) T n-Octatriacontane (C38)	21.189	2867062	20.654 ug/ml
22) T n-Tetracontane (C40)	22.109	2909178	21.041 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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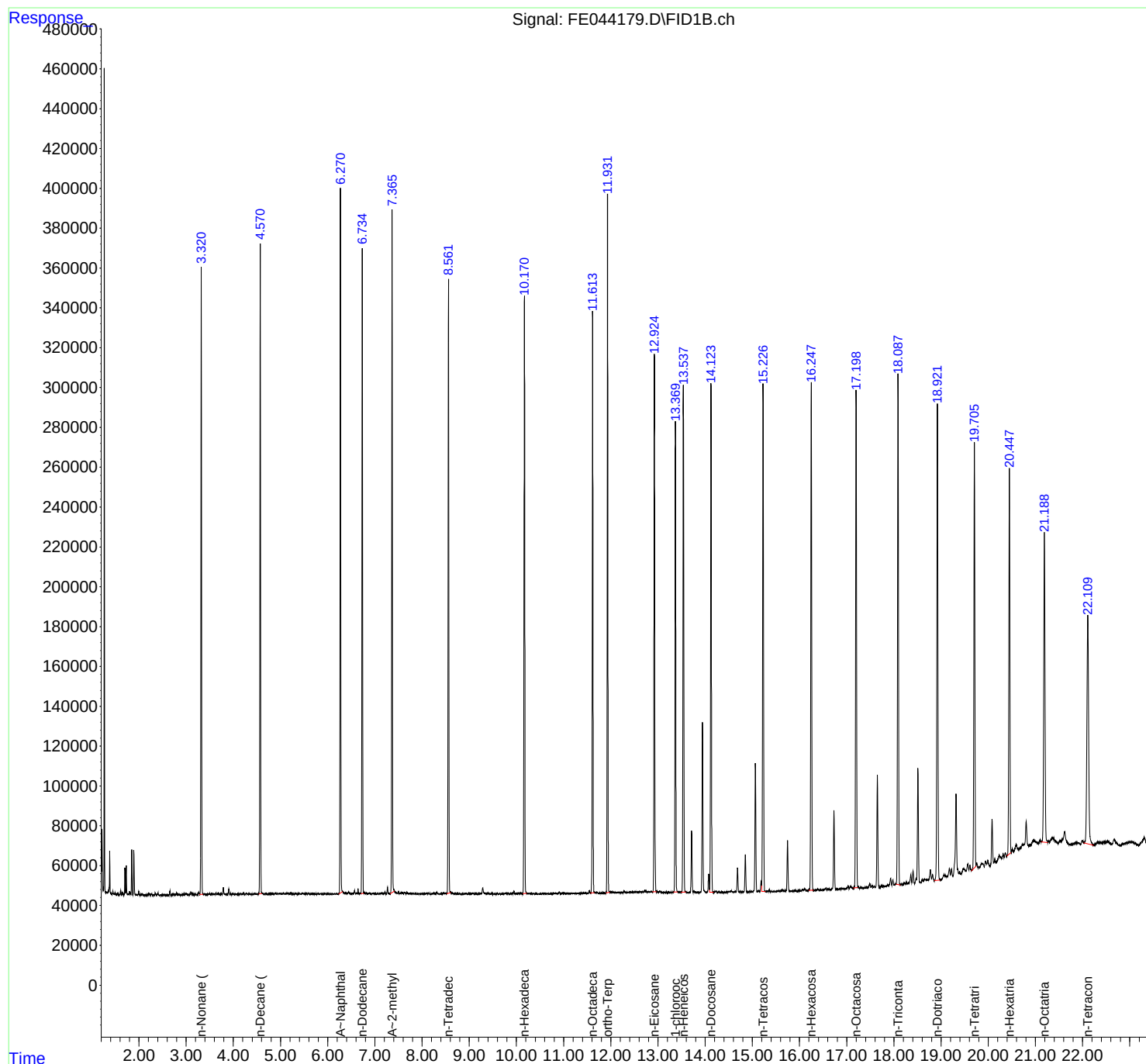
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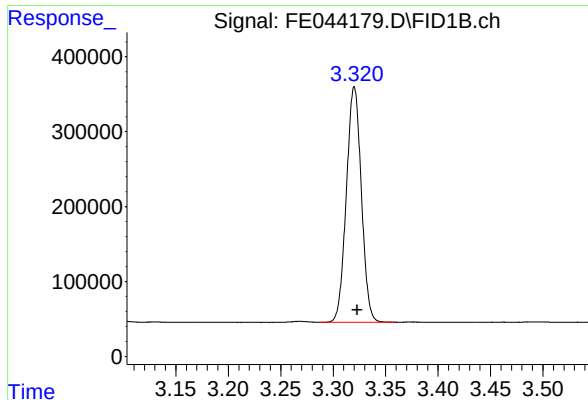
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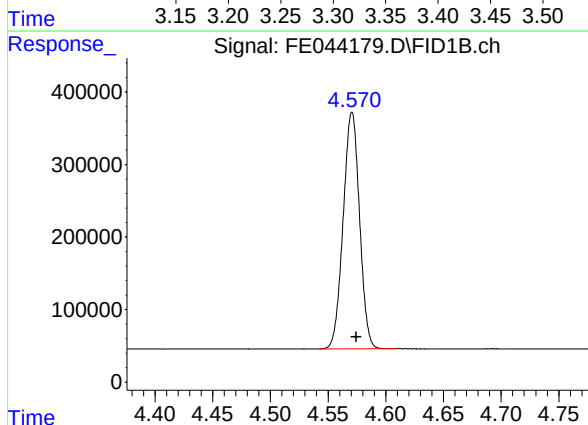
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.003 min
Response: 3127800
Conc: 19.17 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

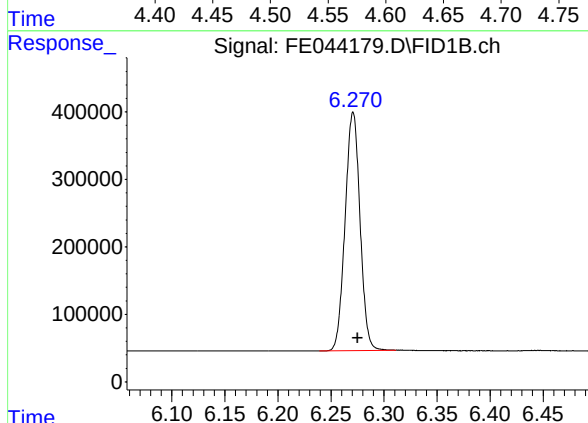
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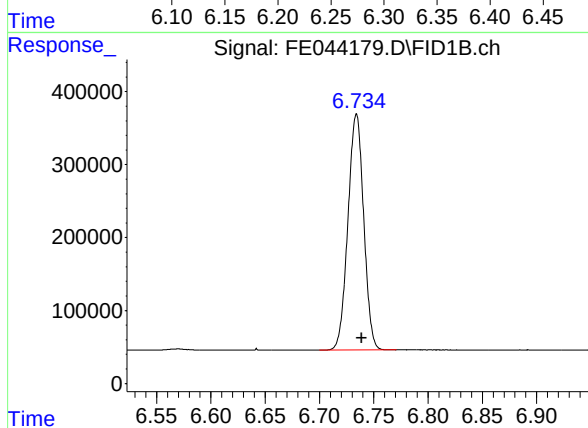
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.003 min
Response: 3220659
Conc: 19.38 ug/ml



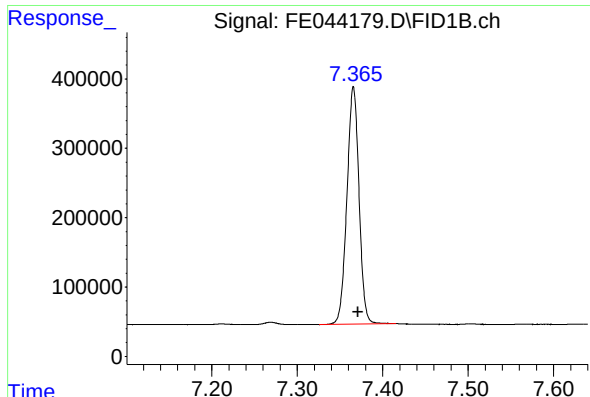
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 3459817
Conc: 19.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 3266219
Conc: 19.42 ug/ml



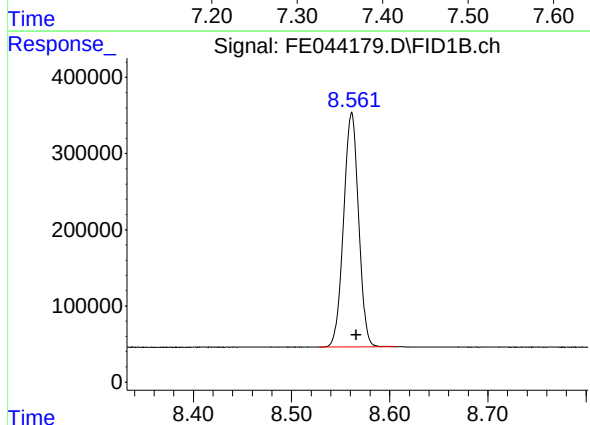
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: -0.005 min
Response: 3365827
Conc: 19.63 ug/ml

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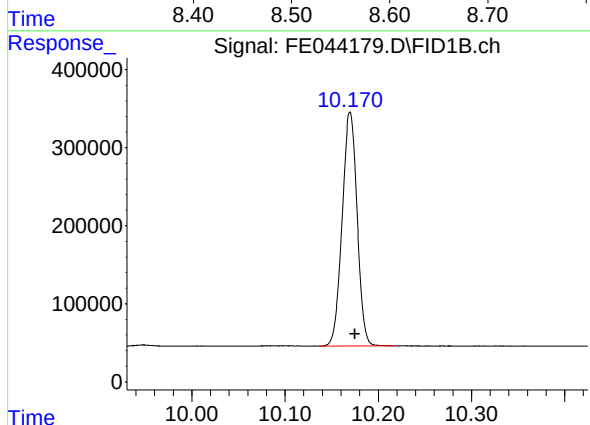
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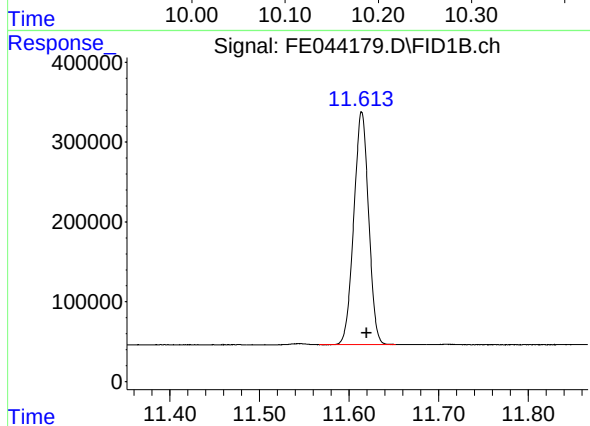
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: -0.005 min
Response: 3263389
Conc: 19.46 ug/ml



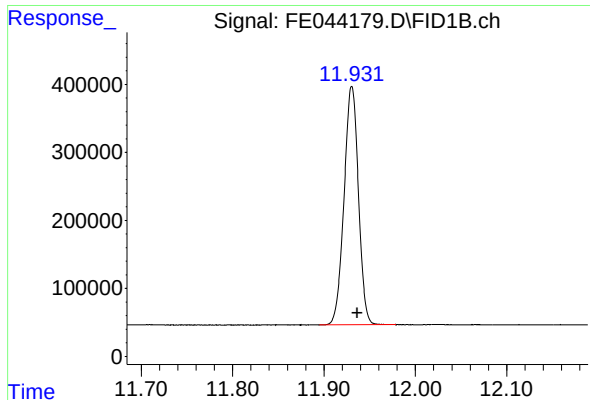
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 3334762
Conc: 19.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.614 min
Delta R.T.: -0.005 min
Response: 3350320
Conc: 19.25 ug/ml



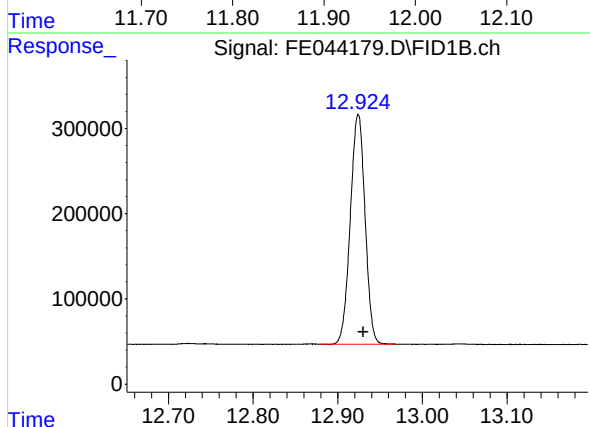
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.006 min
Response: 3840098
Conc: 20.27 ug/ml

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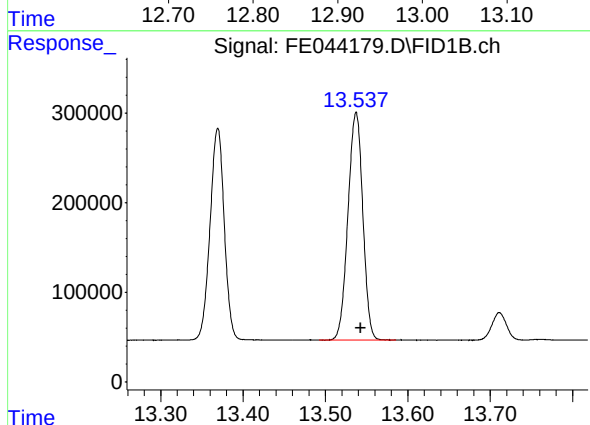
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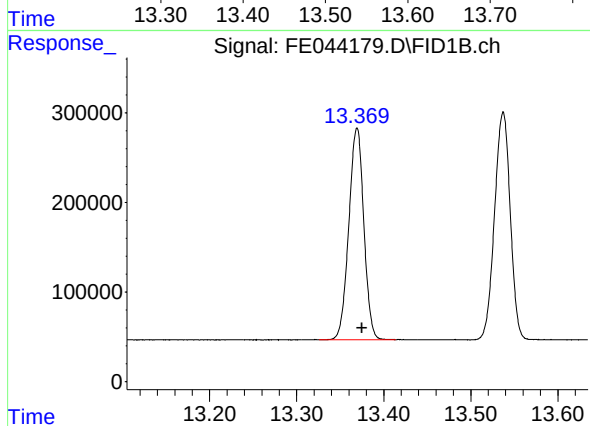
#10 n-Eicosane (C20)

R.T.: 12.924 min
Delta R.T.: -0.006 min
Response: 3264484
Conc: 19.74 ug/ml



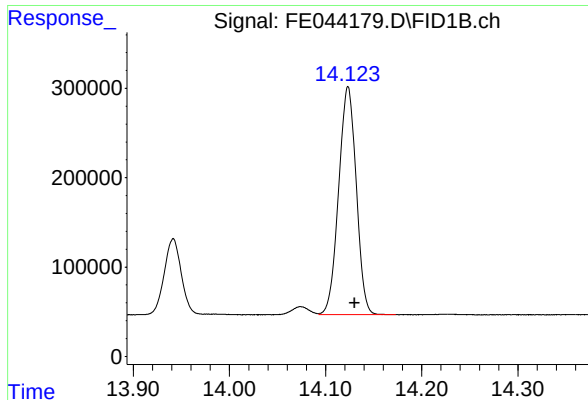
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: -0.005 min
Response: 3177757
Conc: 19.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: -0.006 min
Response: 2828569
Conc: 20.47 ug/ml



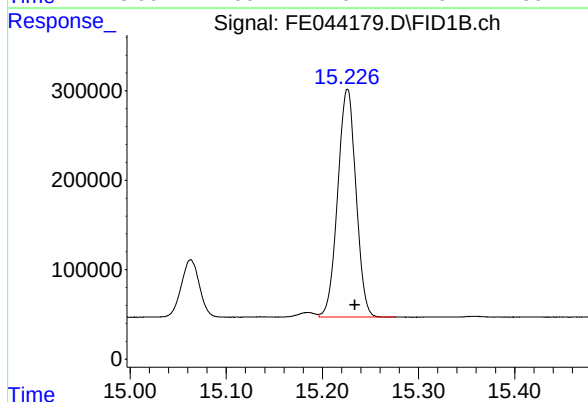
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: -0.007 min
Response: 3251888
Conc: 20.35 ug/ml

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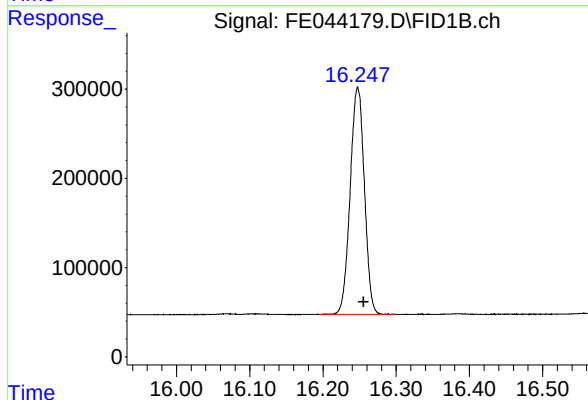
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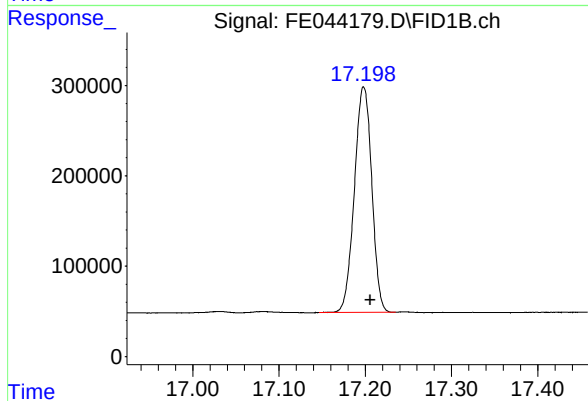
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: -0.008 min
Response: 3371440
Conc: 21.56 ug/ml



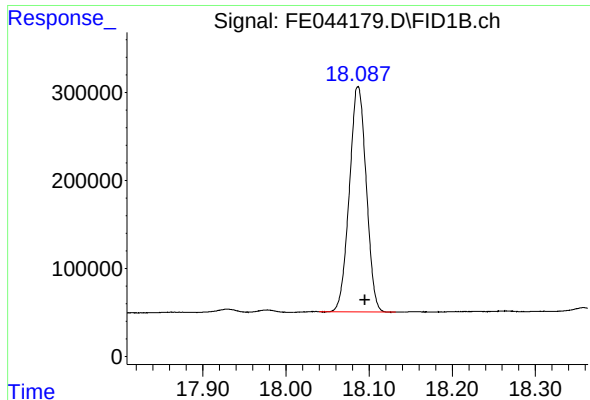
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.008 min
Response: 3428039
Conc: 22.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.008 min
Response: 3497389
Conc: 24.24 ug/ml



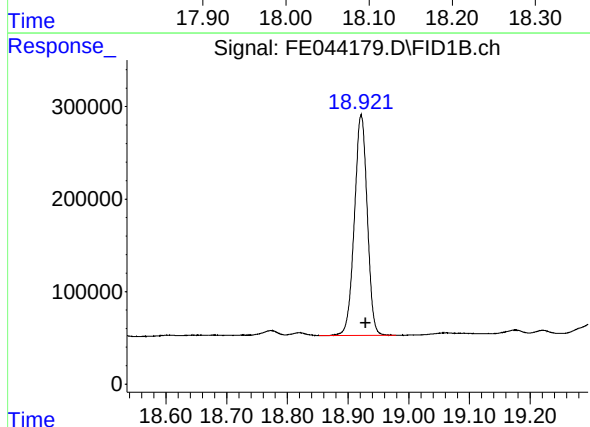
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.008 min
Response: 3616914
Conc: 24.90 ug/ml

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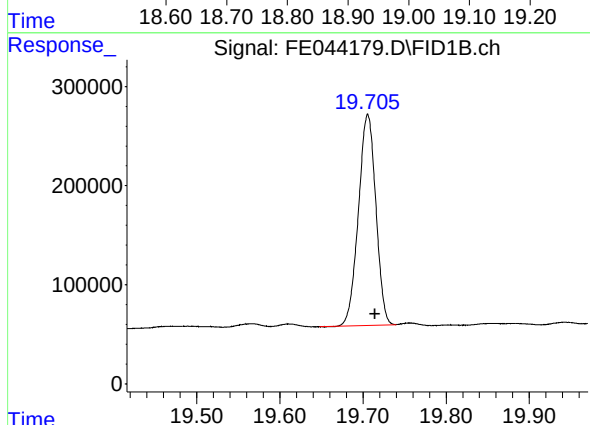
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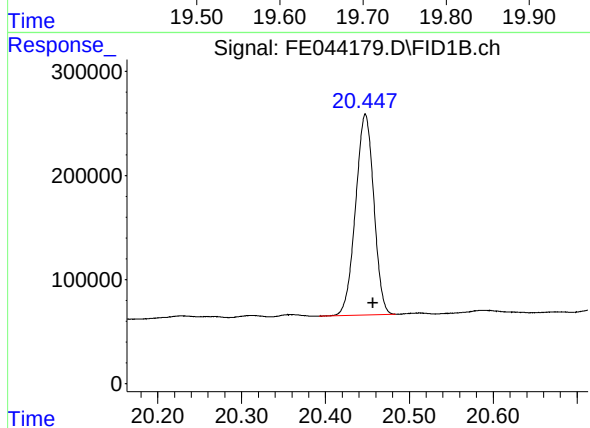
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.008 min
Response: 3514346
Conc: 24.67 ug/ml



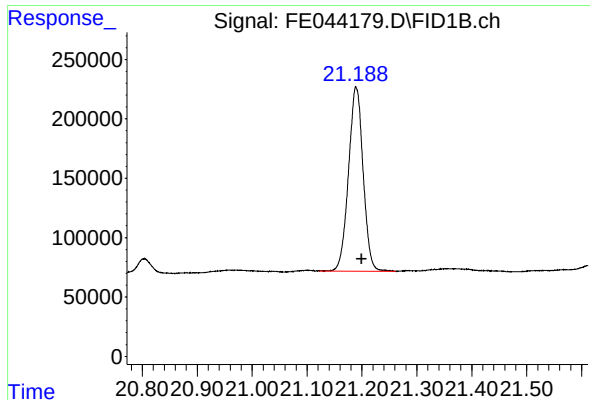
#19 n-Tetatriacontane (C34)

R.T.: 19.706 min
Delta R.T.: -0.009 min
Response: 3101536
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.009 min
Response: 2914940
Conc: 21.26 ug/ml



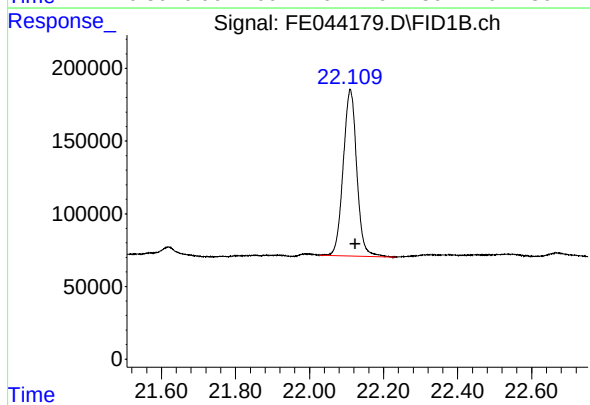
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.011 min
Response: 2867062
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: -0.015 min
Response: 2909178
Conc: 21.04 ug/ml m