

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
 Data File : FE050243.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2024 13:47
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:45:44 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)	11.868	2869196	19.285 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
12) S 1-chlorooctadecane (S...	13.302	2167490	19.296 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
Target Compounds			
1) T n-Nonane (C9)	3.257	2586291	19.081 ug/mlm
2) T n-Decane (C10)	4.508	2657462	19.255 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2713161	19.384 ug/ml
4) T n-Dodecane (C12)	6.675	2656386	19.210 ug/ml
5) T A~2-methylnaphthalene...	7.313	2517200	19.151 ug/ml
6) T n-Tetradecane (C14)	8.502	2634563	19.347 ug/ml
7) T n-Hexadecane (C16)	10.108	2691482	19.377 ug/ml
8) T n-Octadecane (C18)	11.549	2725269	19.452 ug/ml
10) T n-Eicosane (C20)	12.857	2611078	19.465 ug/mlm
11) T n-Heneicosane (C21)	13.468	2548192	19.393 ug/ml
13) T n-Docosane (C22)	14.053	2554830	19.620 ug/ml
14) T n-Tetracosane (C24)	15.155	2614624	20.022 ug/ml
15) T n-Hexacosane (C26)	16.174	2594837	20.282 ug/ml
16) T n-Octacosane (C28)	17.124	2686980	20.860 ug/ml
17) T n-Tricontane (C30)	18.009	2918525	21.825 ug/ml
18) T n-Dotriacontane (C32)	18.841	2949453	22.134 ug/ml
19) T n-Tetratriacontane (C34)	19.623	2698615	21.840 ug/ml
20) T n-Hexatriacontane (C36)	20.364	2380898	21.459 ug/ml
21) T n-Octatriacontane (C38)	21.088	2182797	19.793 ug/ml
22) T n-Tetracontane (C40)	21.978	2090980	19.216 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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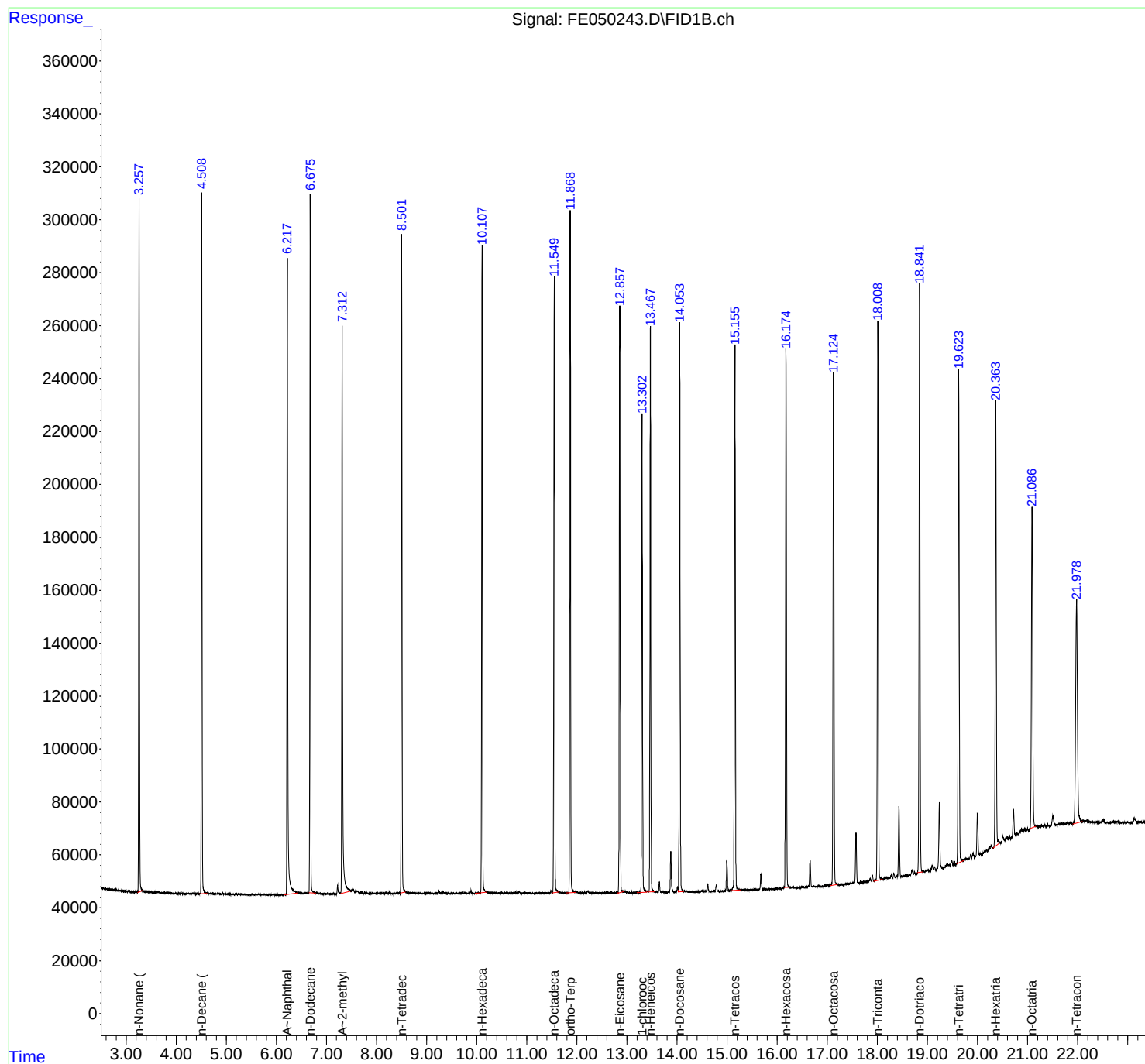
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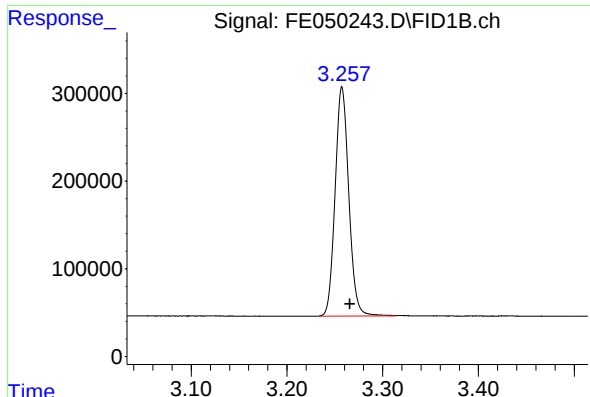
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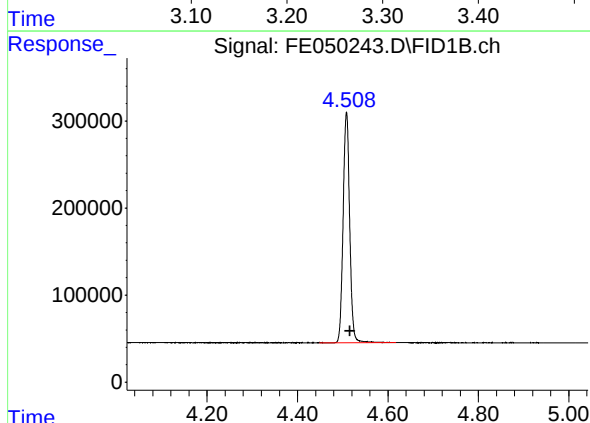
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2586291
Conc: 19.08 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

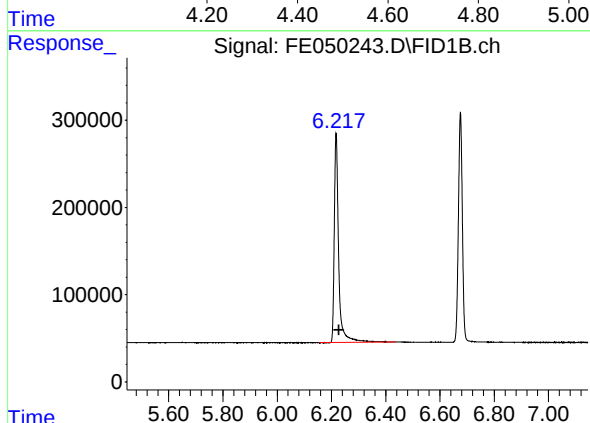
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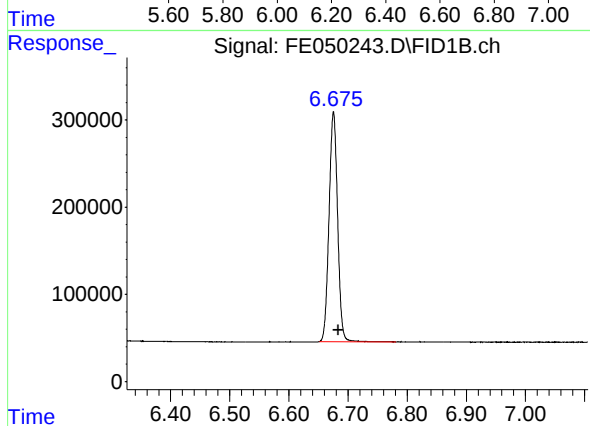
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: -0.008 min
Response: 2657462
Conc: 19.26 ug/ml



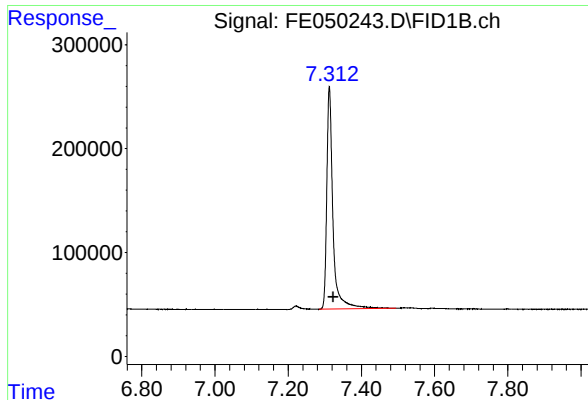
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.010 min
Response: 2713161
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.008 min
Response: 2656386
Conc: 19.21 ug/ml



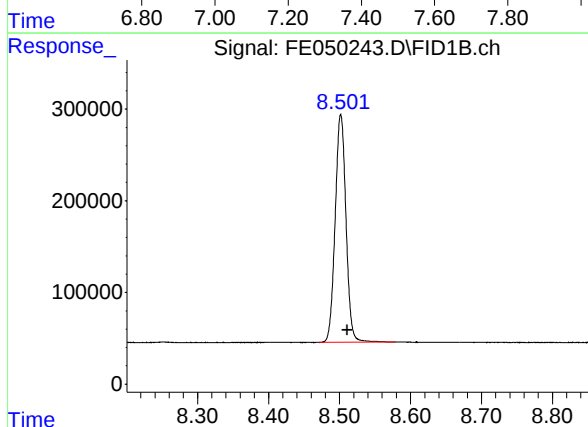
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: -0.010 min
Response: 2517200
Conc: 19.15 ug/ml

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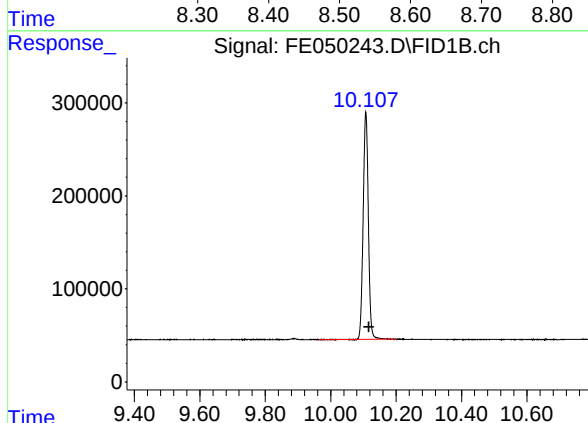
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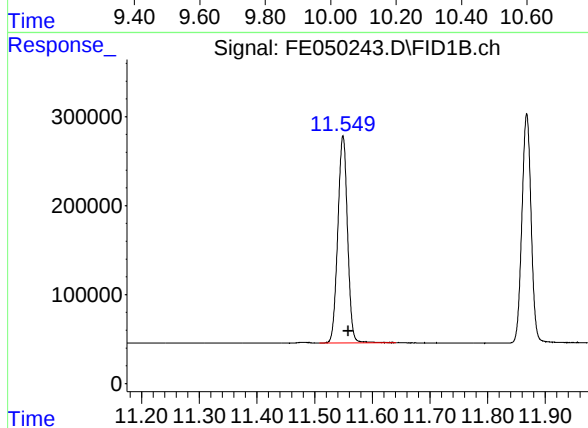
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.009 min
Response: 2634563
Conc: 19.35 ug/ml



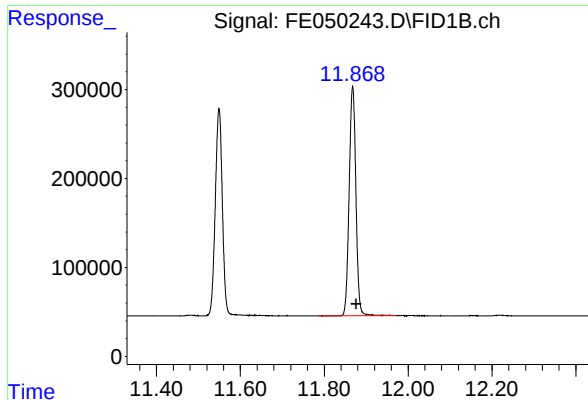
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.009 min
Response: 2691482
Conc: 19.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.009 min
Response: 2725269
Conc: 19.45 ug/ml



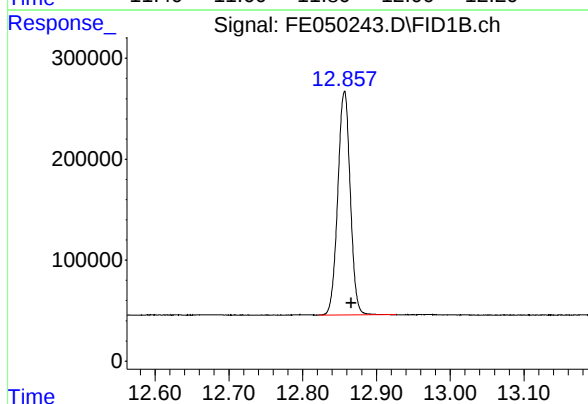
#9 ortho-Terphenyl (SURR)

R.T.: 11.868 min
Delta R.T.: -0.009 min
Response: 2869196
Conc: 19.28 ug/ml

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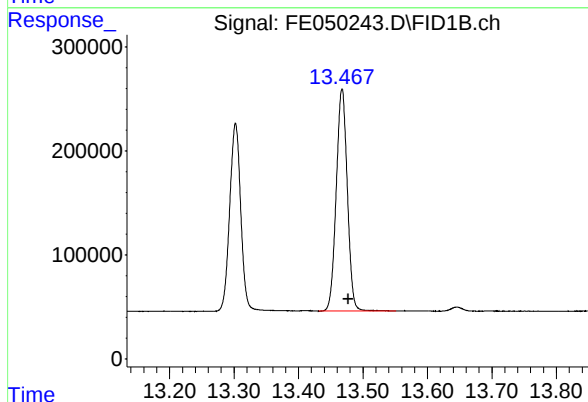
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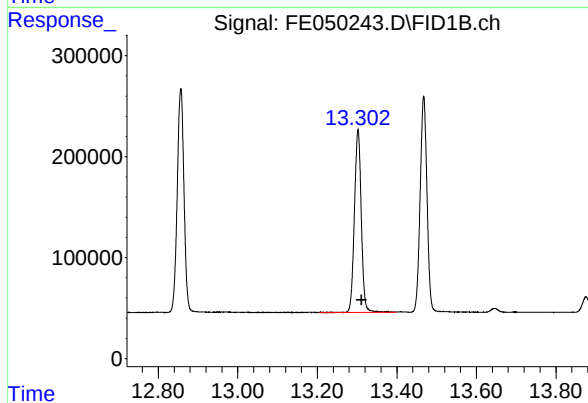
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.009 min
Response: 2611078
Conc: 19.46 ug/ml



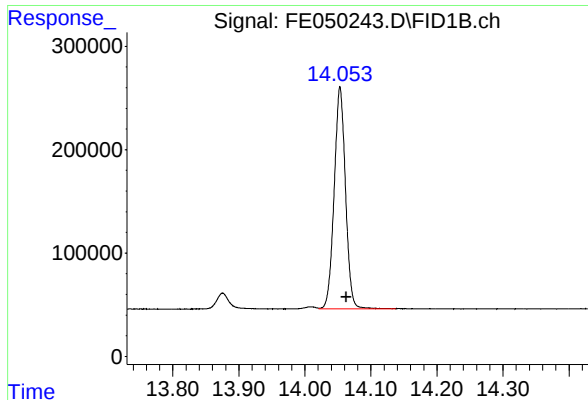
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.010 min
Response: 2548192
Conc: 19.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.009 min
Response: 2167490
Conc: 19.30 ug/ml



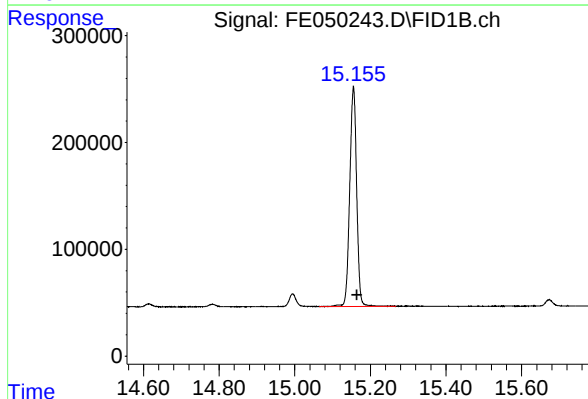
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.010 min
Response: 2554830
Conc: 19.62 ug/ml

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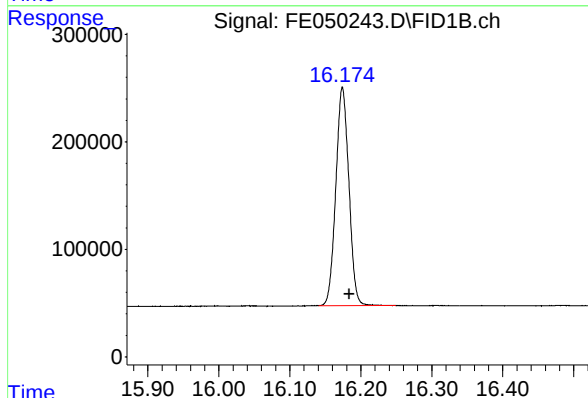
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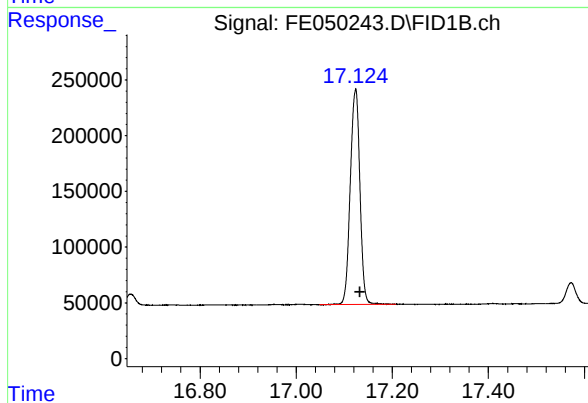
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.009 min
Response: 2614624
Conc: 20.02 ug/ml



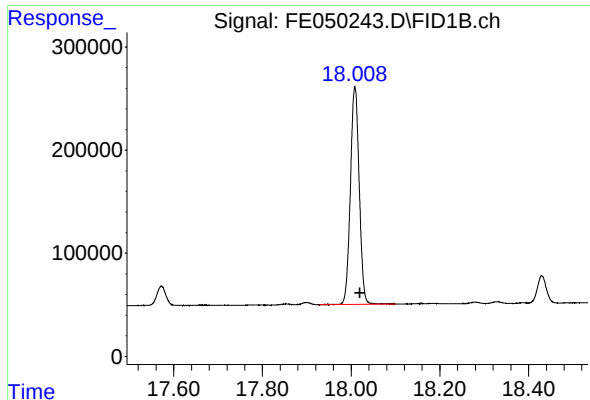
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.009 min
Response: 2594837
Conc: 20.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.010 min
Response: 2686980
Conc: 20.86 ug/ml



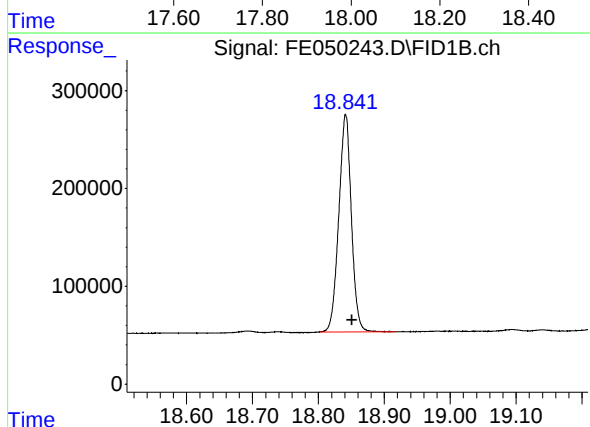
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.011 min
Response: 2918525
Conc: 21.83 ug/ml

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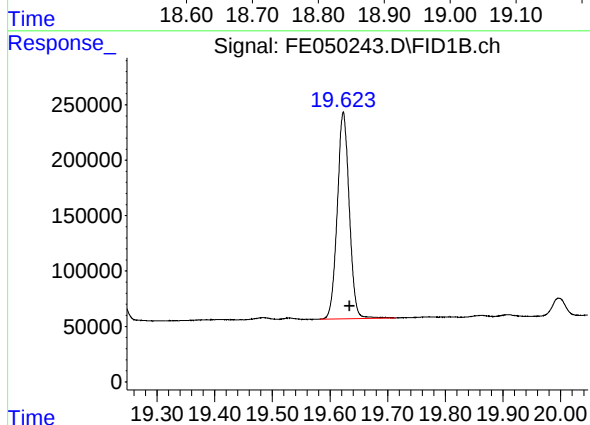
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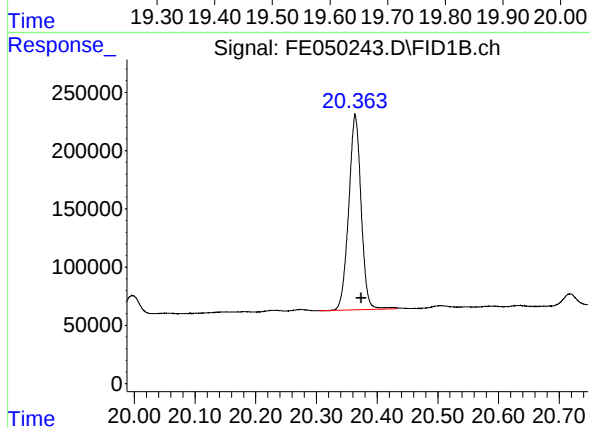
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.010 min
Response: 2949453
Conc: 22.13 ug/ml



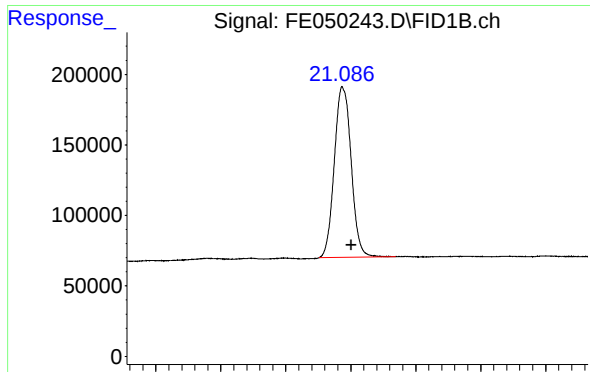
#19 n-Tetatriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.011 min
Response: 2698615
Conc: 21.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.010 min
Response: 2380898
Conc: 21.46 ug/ml



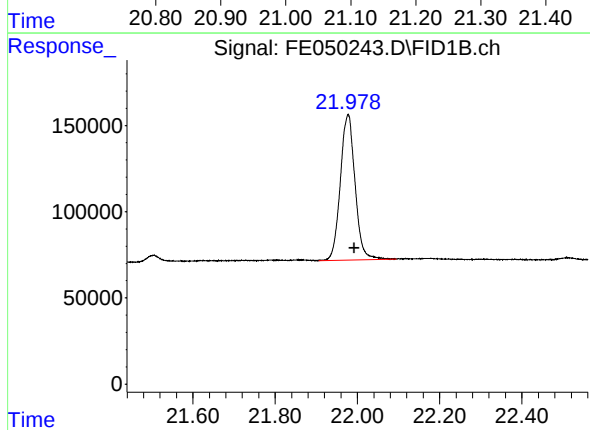
#21 n-Octatriacontane (C38)

R.T.: 21.088 min
Delta R.T.: -0.013 min
Response: 2182797
Conc: 19.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.015 min
Response: 2090980
Conc: 19.22 ug/ml m