

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101624AL\
 Data File : FE050703.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2024 19:18
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :Ankita Jodhani 10/17/2024

Integration File: autoint1.e
 Quant Time: Oct 17 02:58:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.860	3244800	20.582 ug/ml
Spiked Amount 50.000		Recovery =	41.16%
12) S 1-chlorooctadecane (S...	13.293	2466057	20.847 ug/ml
Spiked Amount 50.000		Recovery =	41.69%
Target Compounds			
1) T n-Nonane (C9)	3.248	2964372	20.981 ug/ml
2) T n-Decane (C10)	4.499	3036614	21.165 ug/ml
3) T A~Naphthalene (C11.7)	6.209	3076416	21.515 ug/ml
4) T n-Dodecane (C12)	6.666	3072698	21.348 ug/ml
5) T A~2-methylnaphthalene...	7.305	2874441	21.697 ug/ml
6) T n-Tetradecane (C14)	8.493	3040391	21.252 ug/ml
7) T n-Hexadecane (C16)	10.098	3111950	21.145 ug/ml
8) T n-Octadecane (C18)	11.540	3111933	20.834 ug/ml
10) T n-Eicosane (C20)	12.847	2959988	20.641 ug/ml
11) T n-Heneicosane (C21)	13.458	2893017	20.601 ug/ml
13) T n-Docosane (C22)	14.043	2867167	20.437 ug/ml
14) T n-Tetracosane (C24)	15.144	2874975	20.350 ug/ml
15) T n-Hexacosane (C26)	16.164	2863309	20.348 ug/ml
16) T n-Octacosane (C28)	17.114	2864960	19.579 ug/ml
17) T n-Tricontane (C30)	18.000	3066316	19.285 ug/ml
18) T n-Dotriacontane (C32)	18.831	3060160	18.877 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2802360	19.078 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2572423	20.285 ug/ml
21) T n-Octatriacontane (C38)	21.079	2321505	18.775 ug/ml
22) T n-Tetracontane (C40)	21.966	1917244	17.218 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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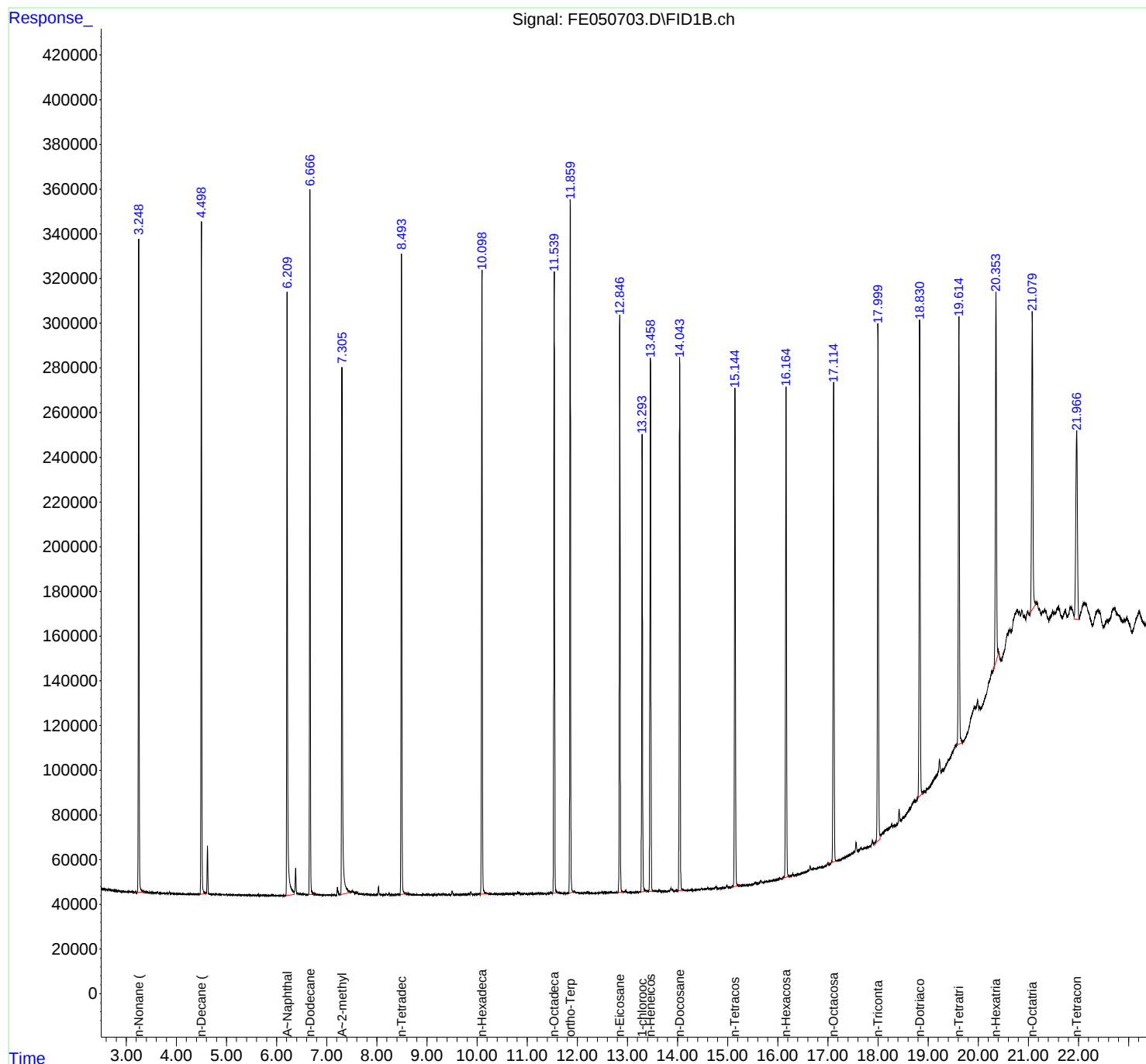
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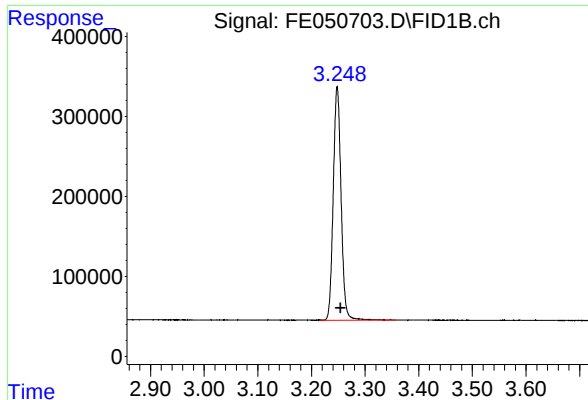
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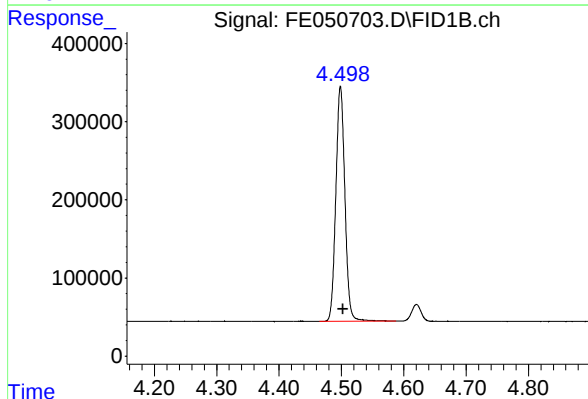
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.006 min
Response: 2964372
Conc: 20.98 ug/ml

Instrument : FID_E
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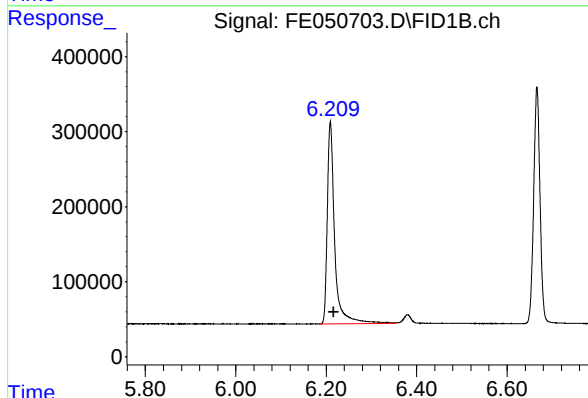
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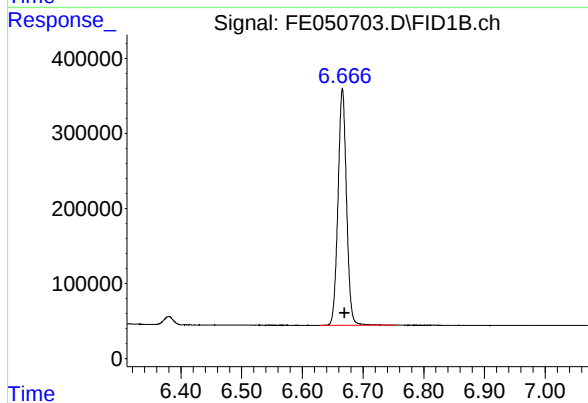
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.004 min
Response: 3036614
Conc: 21.16 ug/ml



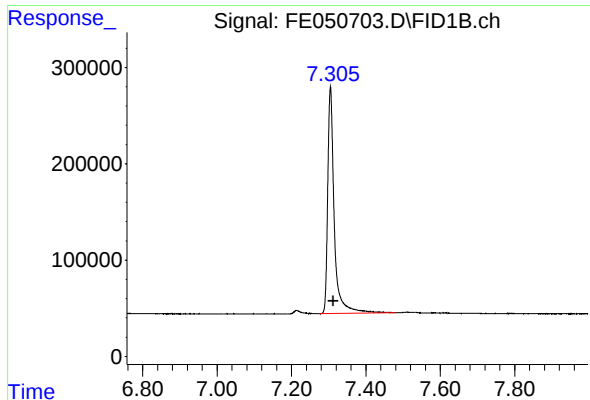
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.007 min
Response: 3076416
Conc: 21.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.666 min
Delta R.T.: -0.004 min
Response: 3072698
Conc: 21.35 ug/ml



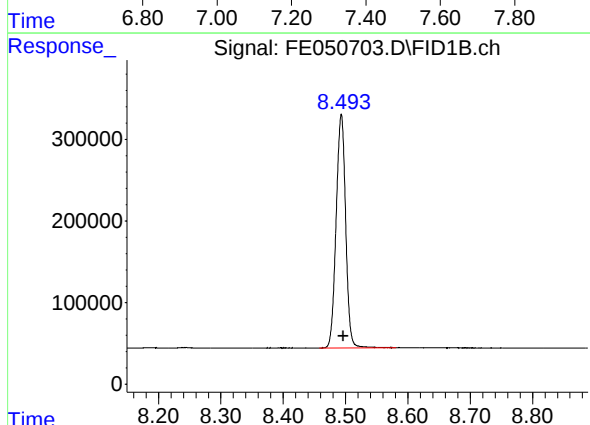
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.305 min
Delta R.T.: -0.008 min
Response: 2874441
Conc: 21.70 ug/ml

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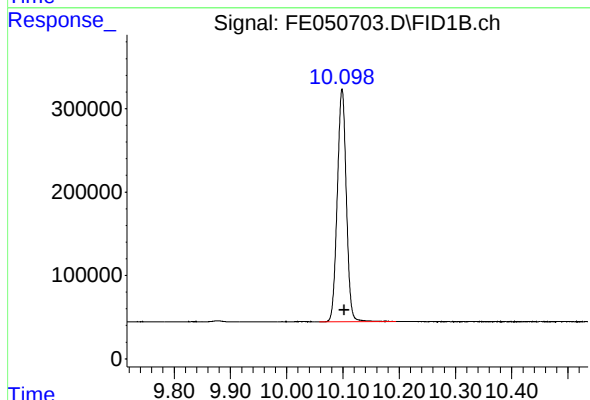
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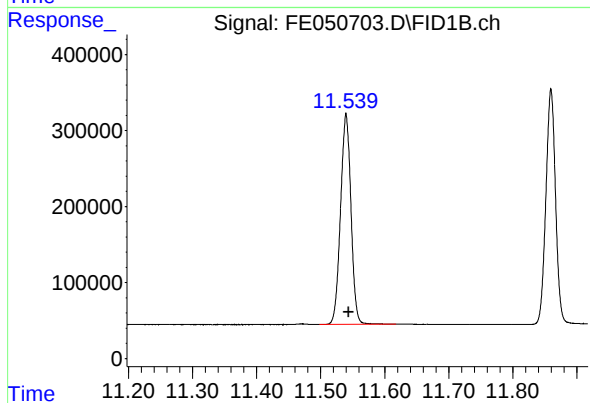
#6 n-Tetradecane (C14)

R.T.: 8.493 min
Delta R.T.: -0.003 min
Response: 3040391
Conc: 21.25 ug/ml



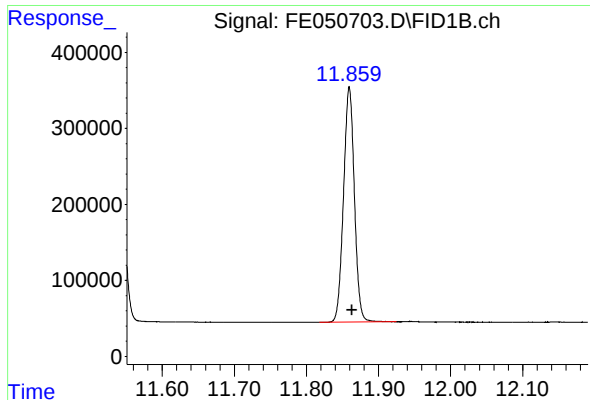
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: -0.004 min
Response: 3111950
Conc: 21.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: -0.004 min
Response: 3111933
Conc: 20.83 ug/ml



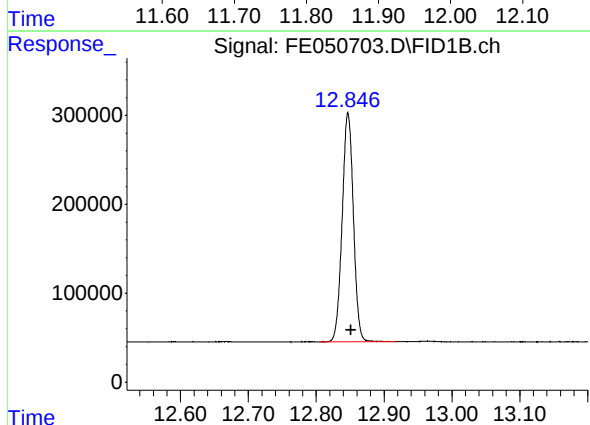
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.004 min
Response: 3244800
Conc: 20.58 ug/ml

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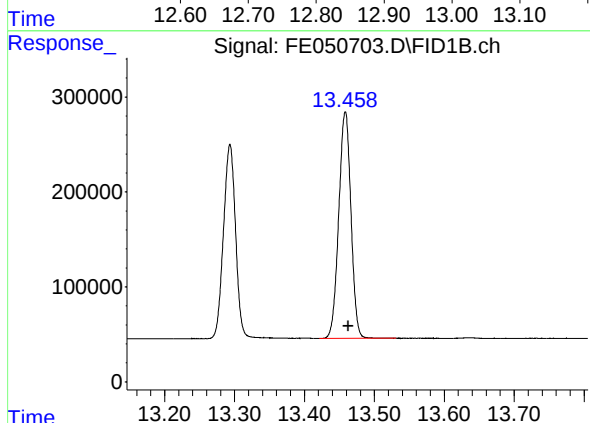
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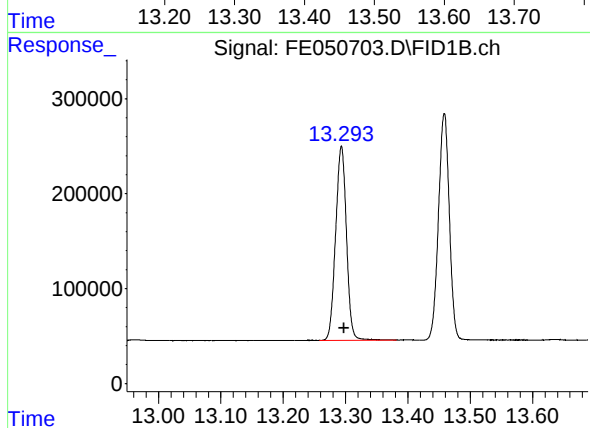
#10 n-Eicosane (C20)

R.T.: 12.847 min
Delta R.T.: -0.005 min
Response: 2959988
Conc: 20.64 ug/ml



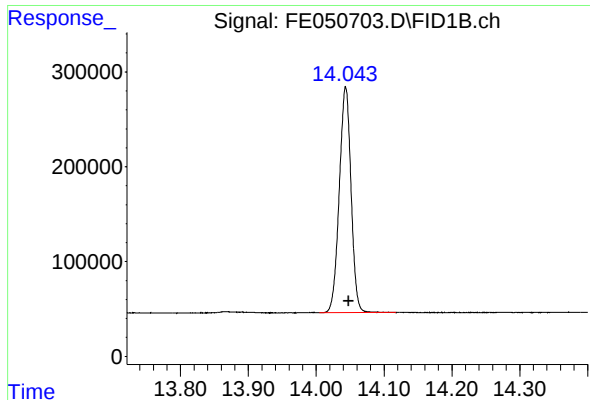
#11 n-Heneicosane (C21)

R.T.: 13.458 min
Delta R.T.: -0.004 min
Response: 2893017
Conc: 20.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.004 min
Response: 2466057
Conc: 20.85 ug/ml



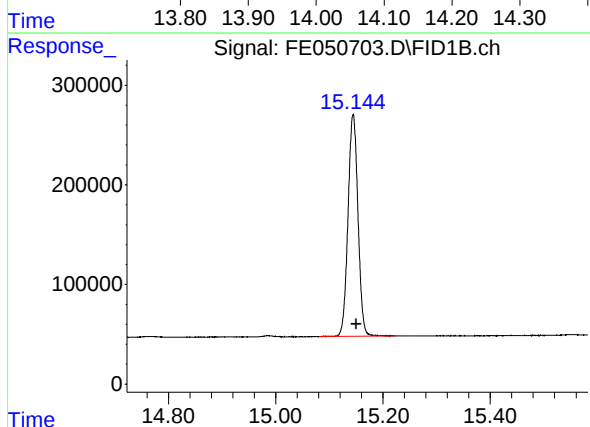
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.004 min
Response: 2867167
Conc: 20.44 ug/ml

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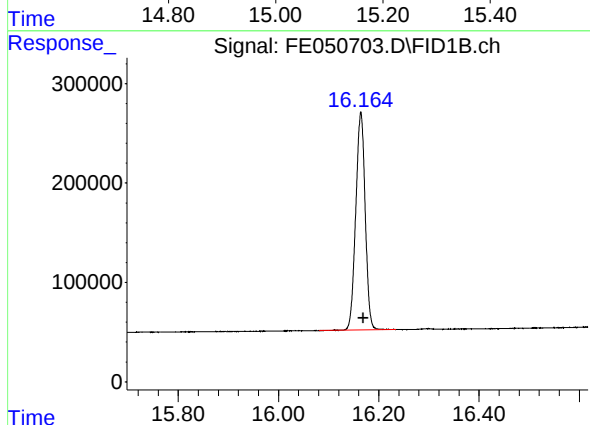
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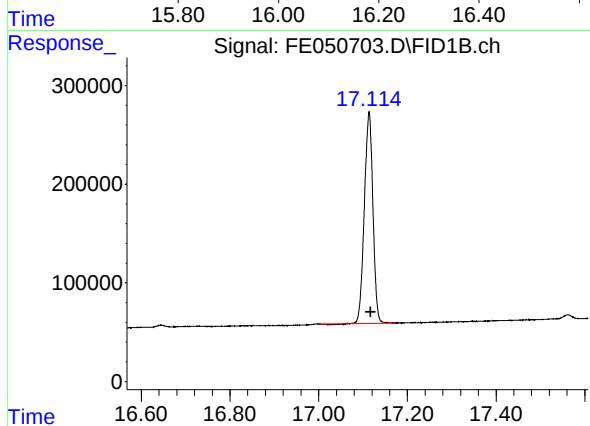
#14 n-Tetracosane (C24)

R.T.: 15.144 min
Delta R.T.: -0.005 min
Response: 2874975
Conc: 20.35 ug/ml



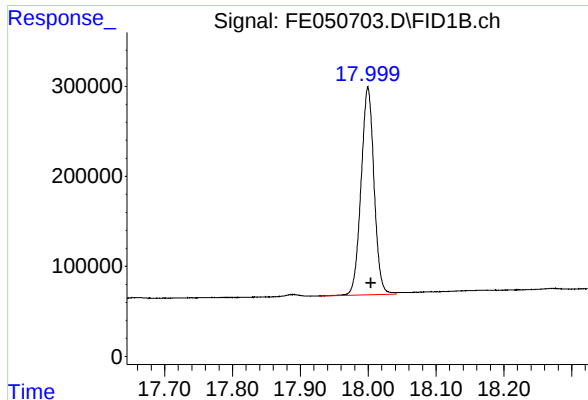
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: -0.005 min
Response: 2863309
Conc: 20.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.004 min
Response: 2864960
Conc: 19.58 ug/ml



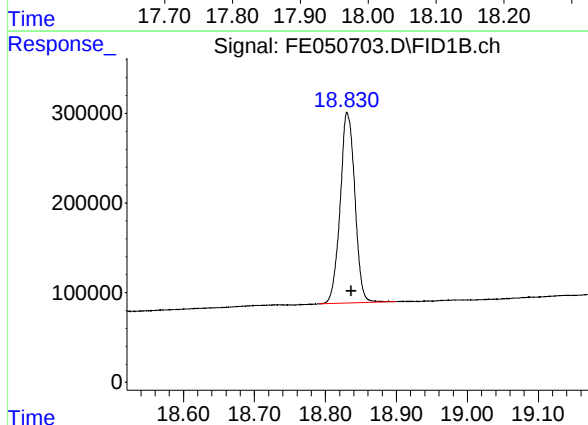
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.005 min
Response: 3066316
Conc: 19.28 ug/ml

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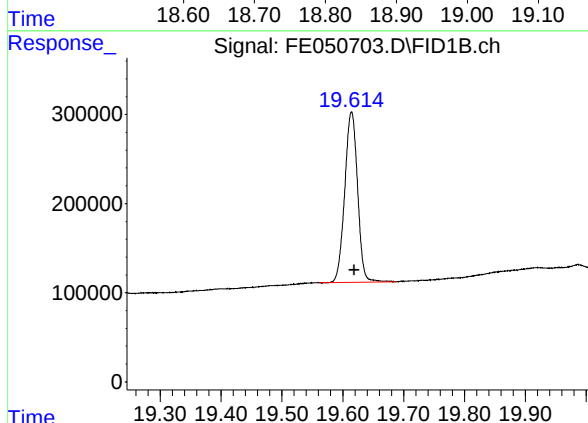
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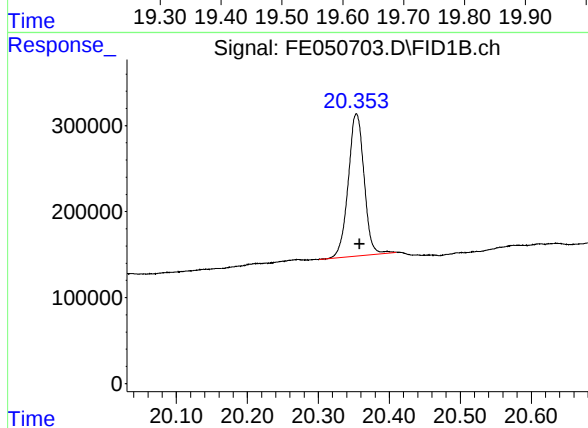
#18 n-Dotriacontane (C32)

R.T.: 18.831 min
Delta R.T.: -0.005 min
Response: 3060160
Conc: 18.88 ug/ml



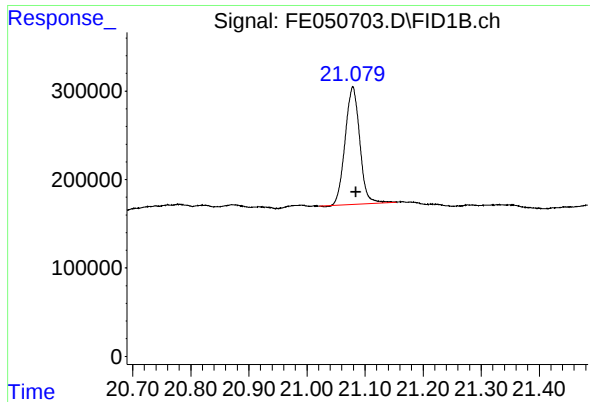
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.004 min
Response: 2802360
Conc: 19.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.005 min
Response: 2572423
Conc: 20.28 ug/ml



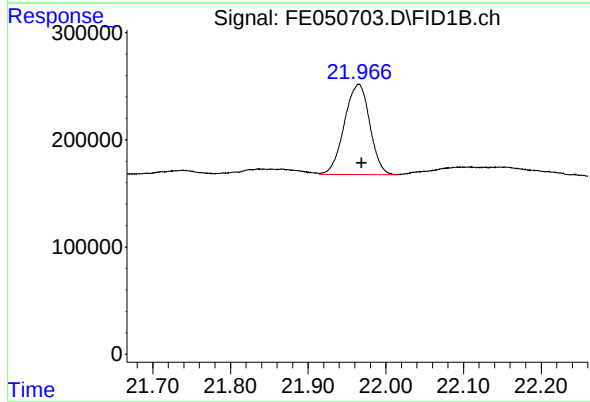
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.005 min
Response: 2321505
Conc: 18.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.003 min
Response: 1917244
Conc: 17.22 ug/ml m