

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021324AL\
 Data File : FE046742.D
 Signal(s) : FID1B.ch
 Acq On : 13 Feb 2024 09:54
 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 02/14/2024
 Supervised By :Ankita Jodhani 02/14/2024

Integration File: sample.E
 Quant Time: Feb 13 23:09:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 Qlast Update : Thu Jan 25 14:56:03 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)	11.809	3606863	19.506 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
12) S 1-chlorooctadecane (S...	13.252	2737557	19.241 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
Target Compounds			
1) T n-Nonane (C9)	3.195	3363061	20.820 ug/mlm
2) T n-Decane (C10)	4.447	3534549	21.567 ug/ml
3) T A~Naphthalene (C11.7)	6.152	3643556	21.308 ug/ml
4) T n-Dodecane (C12)	6.615	3569836	21.582 ug/ml
5) T A~2-methylnaphthalene...	7.249	3418699	21.435 ug/ml
6) T n-Tetradecane (C14)	8.442	3502637	21.371 ug/ml
7) T n-Hexadecane (C16)	10.051	3554514	20.801 ug/ml
8) T n-Octadecane (C18)	11.495	3541127	20.312 ug/ml
10) T n-Eicosane (C20)	12.806	3338950	19.666 ug/ml
11) T n-Heneicosane (C21)	13.418	3237058	19.408 ug/ml
13) T n-Docosane (C22)	14.005	3223084	19.455 ug/ml
14) T n-Tetracosane (C24)	15.110	3245844	19.671 ug/ml
15) T n-Hexacosane (C26)	16.131	3209128	19.883 ug/ml
16) T n-Octacosane (C28)	17.084	3224653	20.542 ug/ml
17) T n-Tricontane (C30)	17.973	3319888	21.195 ug/ml
18) T n-Dotriacontane (C32)	18.807	3282264	21.714 ug/ml
19) T n-Tetratriacontane (C34)	19.592	3117284	21.978 ug/mlm
20) T n-Hexatriacontane (C36)	20.333	2964771	21.509 ug/mlm
21) T n-Octatriacontane (C38)	21.060	3365963	26.257 ug/ml
22) T n-Tetracontane (C40)	21.945	2855040	22.834 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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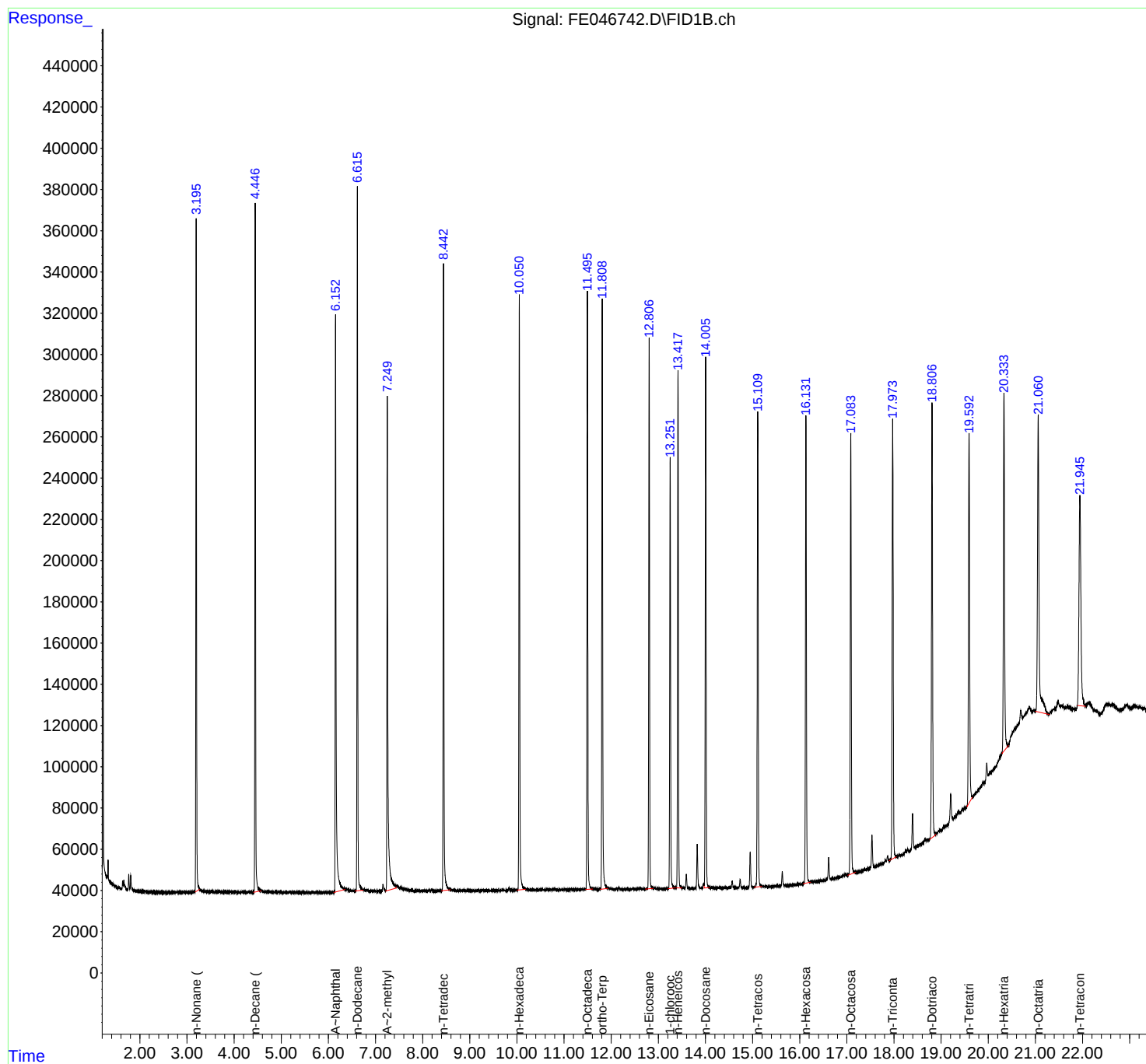
Instrument :
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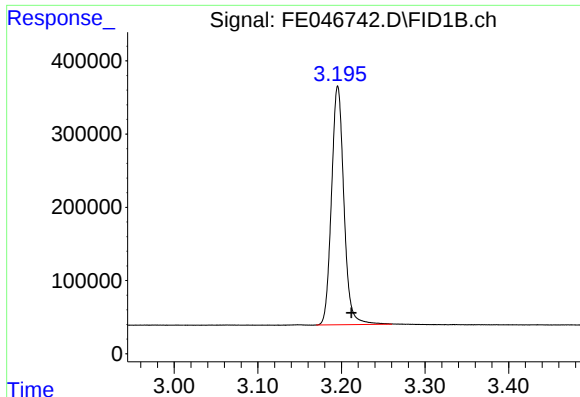
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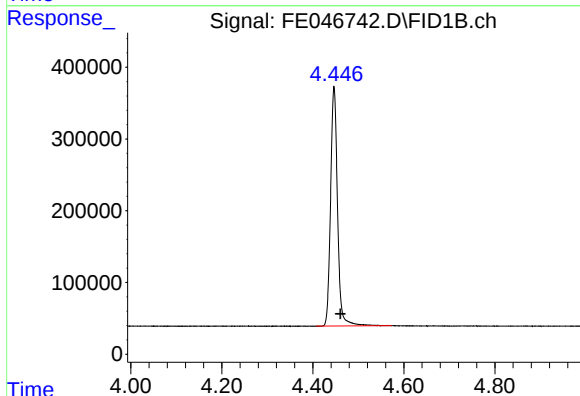
#1 n-Nonane (C9)

R.T.: 3.195 min
Delta R.T.: -0.017 min
Response: 3363061
Conc: 20.82 ug/ml

Instrument :
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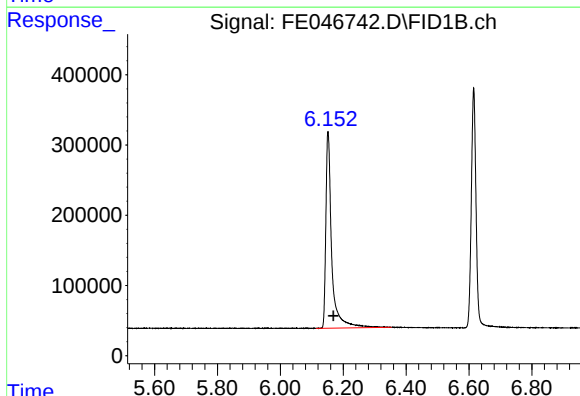
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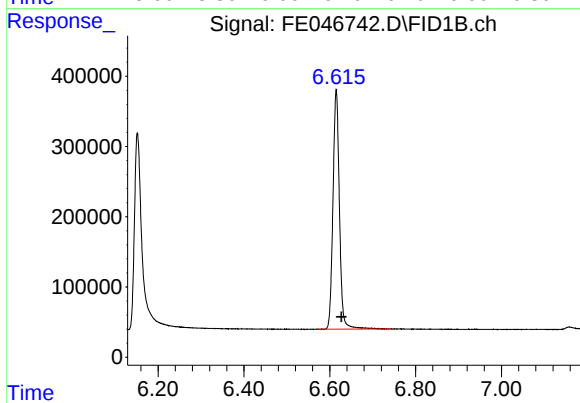
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.014 min
Response: 3534549
Conc: 21.57 ug/ml



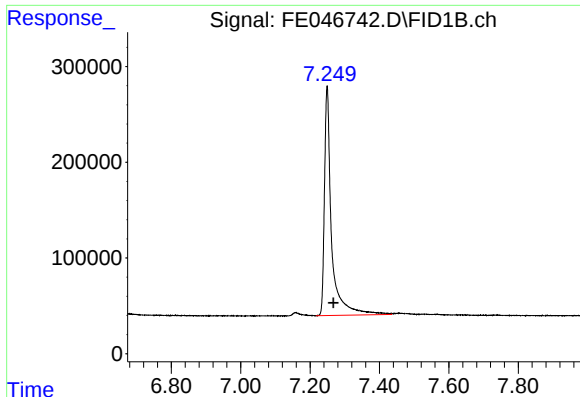
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.017 min
Response: 3643556
Conc: 21.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.615 min
Delta R.T.: -0.012 min
Response: 3569836
Conc: 21.58 ug/ml



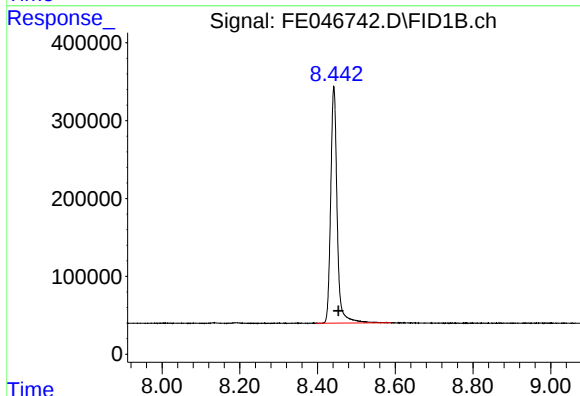
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.249 min
Delta R.T.: -0.018 min
Response: 3418699
Conc: 21.44 ug/ml

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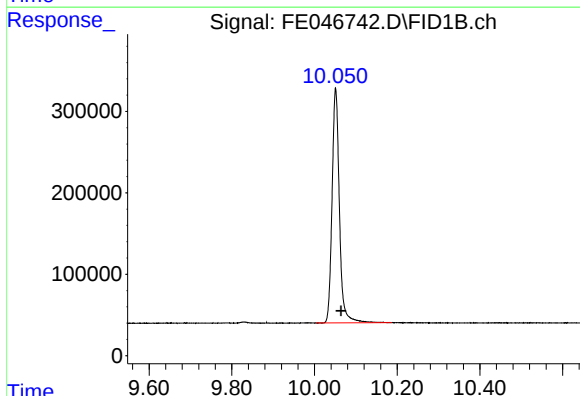
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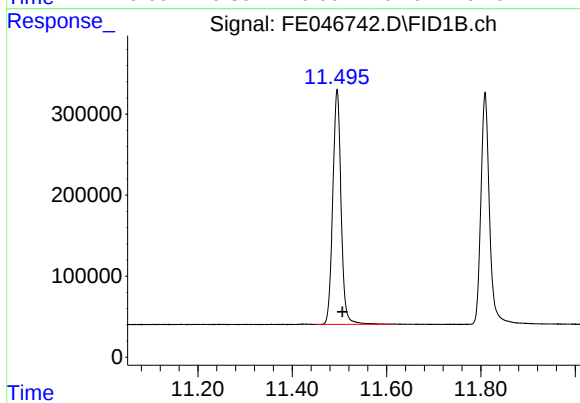
#6 n-Tetradecane (C14)

R.T.: 8.442 min
Delta R.T.: -0.012 min
Response: 3502637
Conc: 21.37 ug/ml



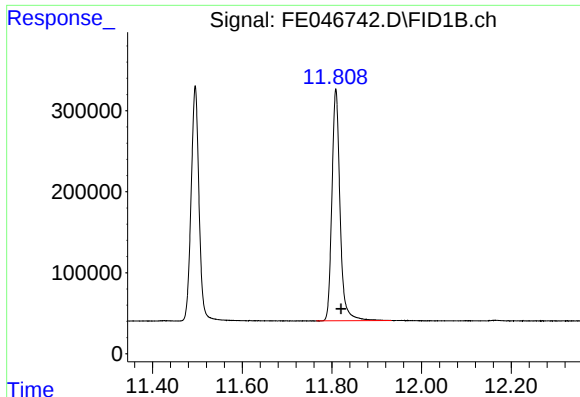
#7 n-Hexadecane (C16)

R.T.: 10.051 min
Delta R.T.: -0.013 min
Response: 3554514
Conc: 20.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.495 min
Delta R.T.: -0.011 min
Response: 3541127
Conc: 20.31 ug/ml



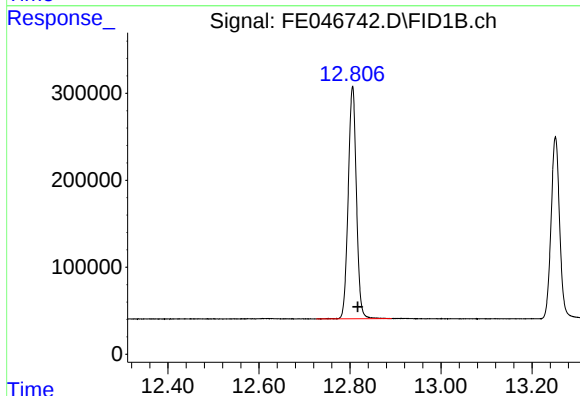
#9 ortho-Terphenyl (SURR)

R.T.: 11.809 min
Delta R.T.: -0.011 min
Response: 3606863
Conc: 19.51 ug/ml

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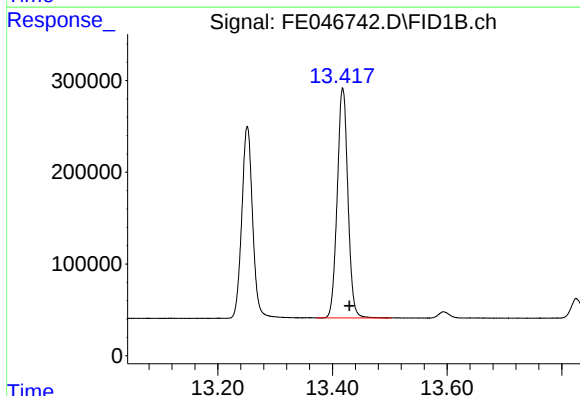
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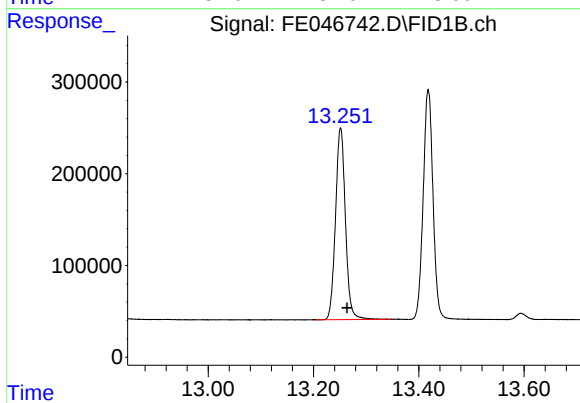
#10 n-Eicosane (C20)

R.T.: 12.806 min
Delta R.T.: -0.011 min
Response: 3338950
Conc: 19.67 ug/ml



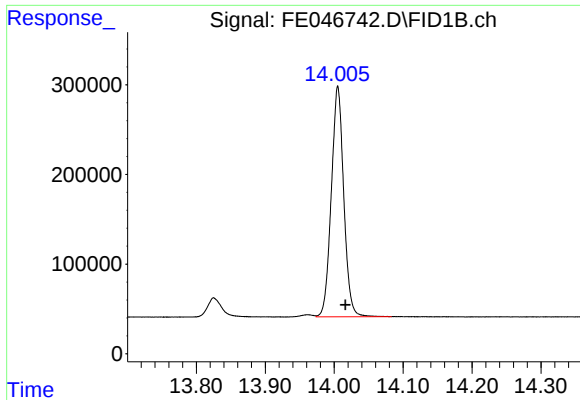
#11 n-Heneicosane (C21)

R.T.: 13.418 min
Delta R.T.: -0.011 min
Response: 3237058
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.252 min
Delta R.T.: -0.012 min
Response: 2737557
Conc: 19.24 ug/ml



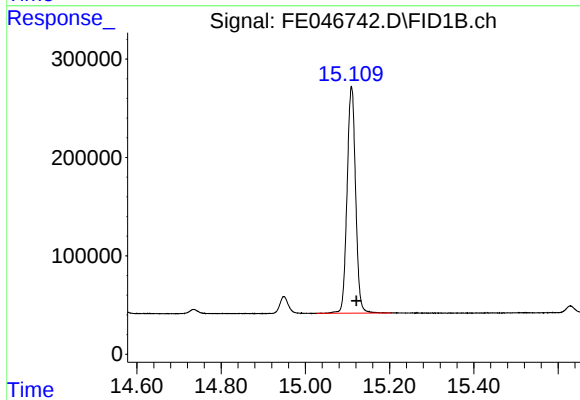
#13 n-Docosane (C22)

R.T.: 14.005 min
Delta R.T.: -0.011 min
Response: 3223084
Conc: 19.46 ug/ml

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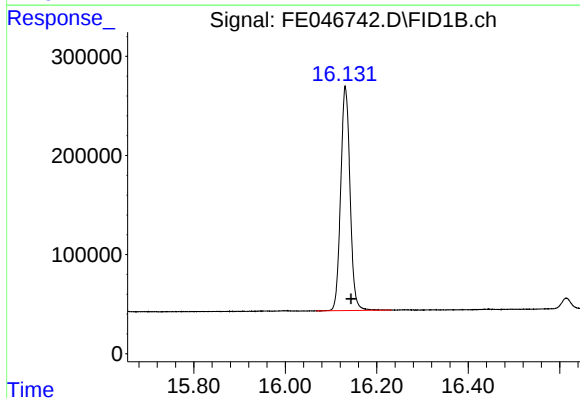
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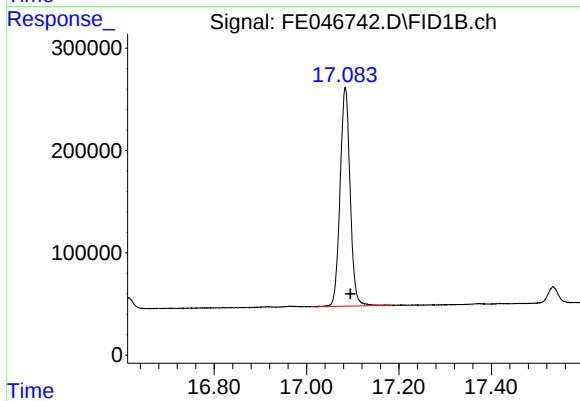
#14 n-Tetracosane (C24)

R.T.: 15.110 min
Delta R.T.: -0.011 min
Response: 3245844
Conc: 19.67 ug/ml



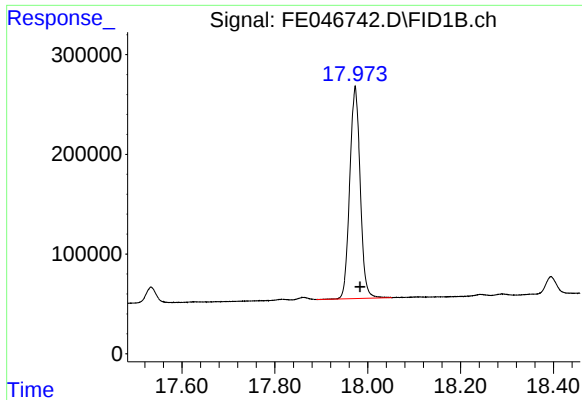
#15 n-Hexacosane (C26)

R.T.: 16.131 min
Delta R.T.: -0.013 min
Response: 3209128
Conc: 19.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.084 min
Delta R.T.: -0.011 min
Response: 3224653
Conc: 20.54 ug/ml



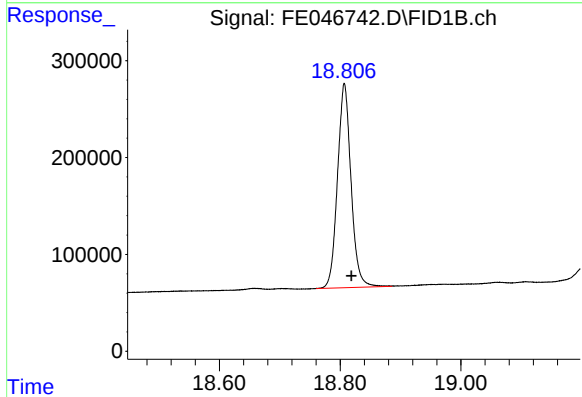
#17 n-Tricontane (C30)

R.T.: 17.973 min
Delta R.T.: -0.011 min
Response: 3319888
Conc: 21.20 ug/ml

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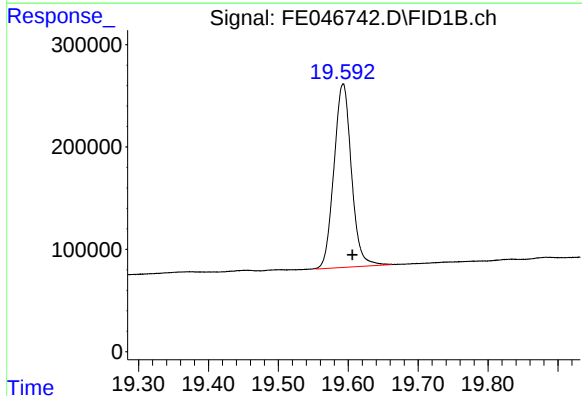
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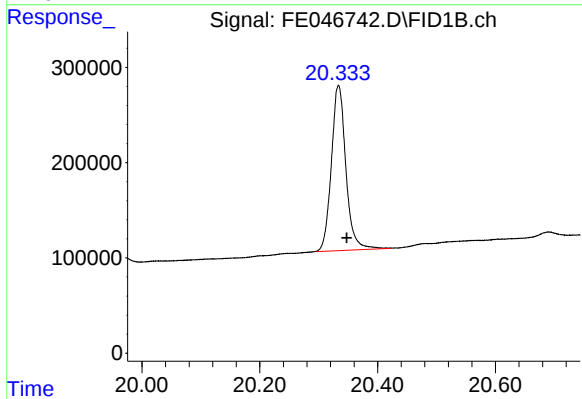
#18 n-Dotriacontane (C32)

R.T.: 18.807 min
Delta R.T.: -0.012 min
Response: 3282264
Conc: 21.71 ug/ml



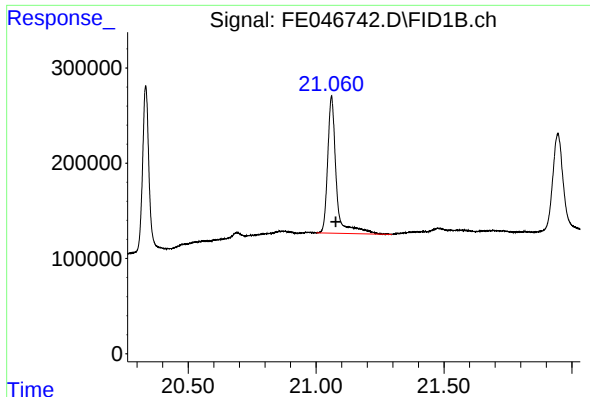
#19 n-Tetratriacontane (C34)

R.T.: 19.592 min
Delta R.T.: -0.014 min
Response: 3117284
Conc: 21.98 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.333 min
Delta R.T.: -0.015 min
Response: 2964771
Conc: 21.51 ug/ml m



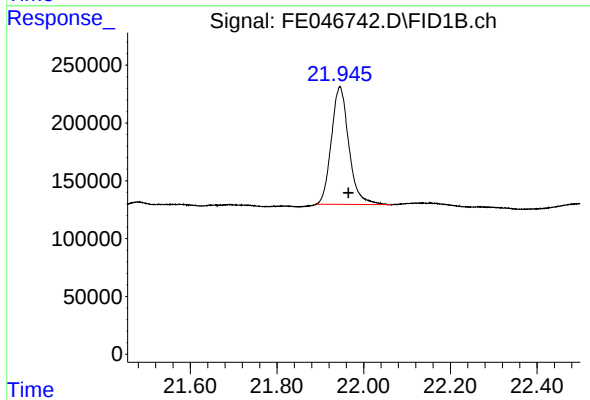
#21 n-Octatriacontane (C38)

R.T.: 21.060 min
Delta R.T.: -0.016 min
Response: 3365963
Conc: 26.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.945 min
Delta R.T.: -0.020 min
Response: 2855040
Conc: 22.83 ug/ml