

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE073024AL\
 Data File : FE049319.D
 Signal(s) : FID1B.ch
 Acq On : 30 Jul 2024 19:56
 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 07/31/2024
 Supervised By :Ankita Jodhani 07/31/2024

Integration File: sample.E
 Quant Time: Jul 31 01:22:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.906	2769165	17.854 ug/ml
Spiked Amount 50.000		Recovery =	35.71%
12) S 1-chlorooctadecane (S...	13.342	2132626	18.253 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.293	2542455	16.906 ug/ml
2) T n-Decane (C10)	4.543	2661262	17.230 ug/ml
3) T A~Naphthalene (C11.7)	6.251	2705921	17.368 ug/ml
4) T n-Dodecane (C12)	6.710	2648134	17.198 ug/ml
5) T A~2-methylnaphthalene...	7.346	2557829	17.576 ug/ml
6) T n-Tetradecane (C14)	8.538	2632943	17.348 ug/ml
7) T n-Hexadecane (C16)	10.145	2692536	17.754 ug/ml
8) T n-Octadecane (C18)	11.588	2717259	17.897 ug/ml
10) T n-Eicosane (C20)	12.897	2597259	17.961 ug/ml
11) T n-Heneicosane (C21)	13.508	2551354	17.992 ug/ml
13) T n-Docosane (C22)	14.095	2548520	18.140 ug/ml
14) T n-Tetracosane (C24)	15.196	2589960	18.480 ug/ml
15) T n-Hexacosane (C26)	16.217	2600909	18.549 ug/ml
16) T n-Octacosane (C28)	17.167	2744725	19.610 ug/ml
17) T n-Tricontane (C30)	18.054	3165475	21.700 ug/ml
18) T n-Dotriacontane (C32)	18.885	3288096	22.362 ug/ml
19) T n-Tetratriacontane (C34)	19.668	3146356	21.540 ug/ml
20) T n-Hexatriacontane (C36)	20.408	3054383	21.188 ug/ml
21) T n-Octatriacontane (C38)	21.140	2962903	19.794 ug/ml
22) T n-Tetracontane (C40)	22.046	3216275	21.313 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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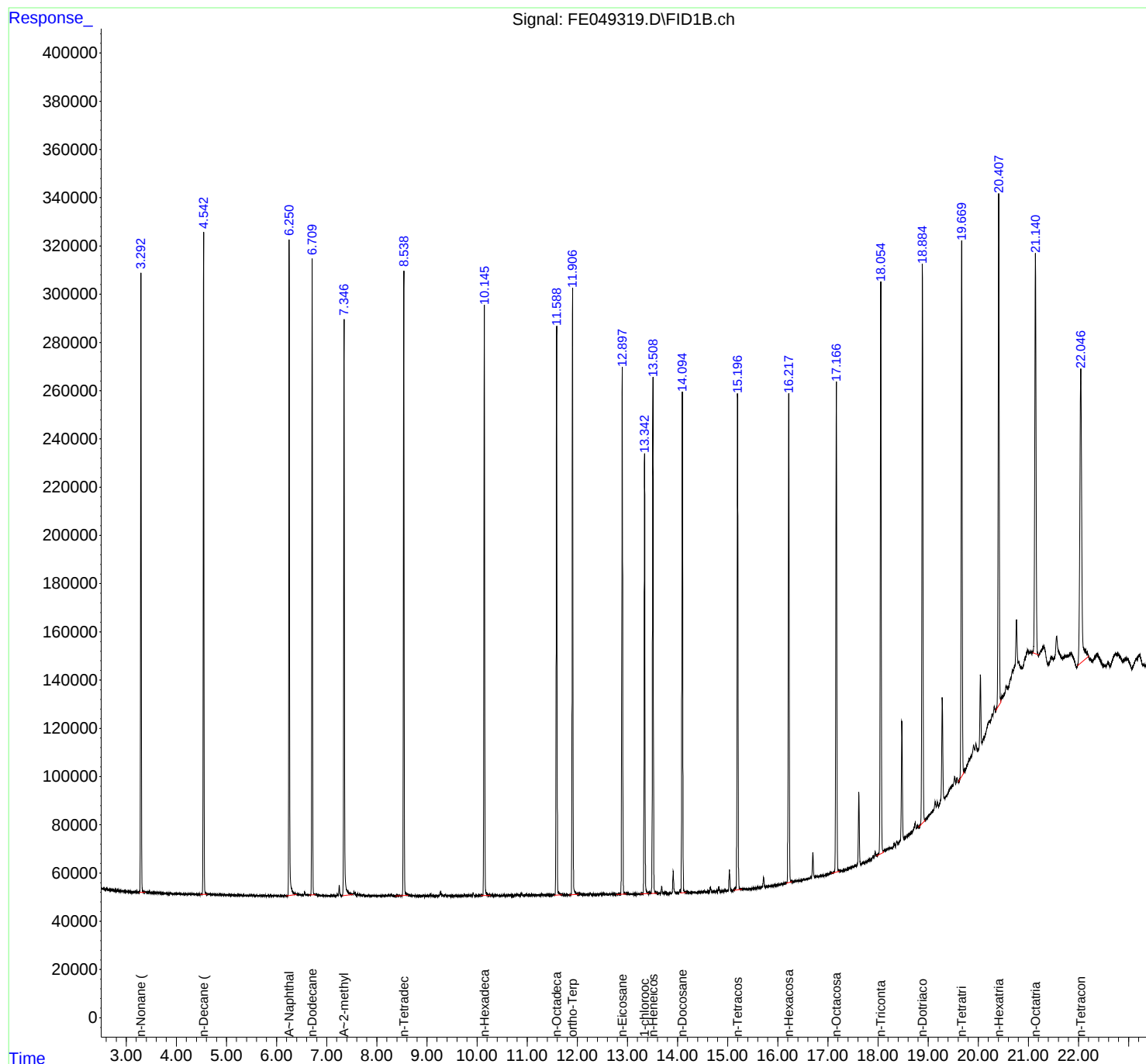
Instrument :
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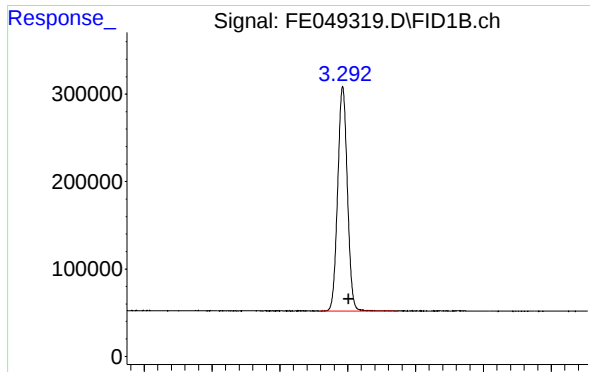
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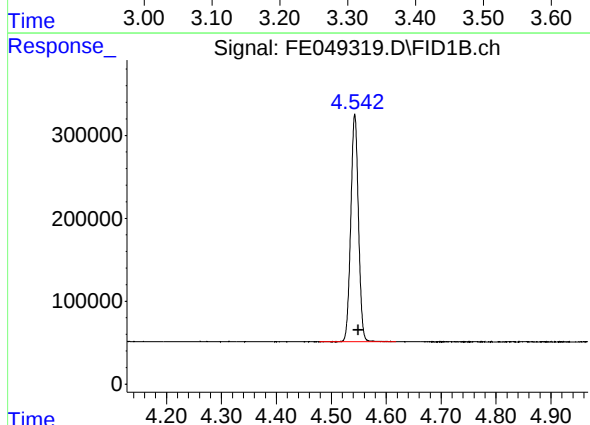
#1 n-Nonane (C9)

R.T.: 3.293 min
Delta R.T.: -0.008 min
Response: 2542455
Conc: 16.91 ug/ml

Instrument :
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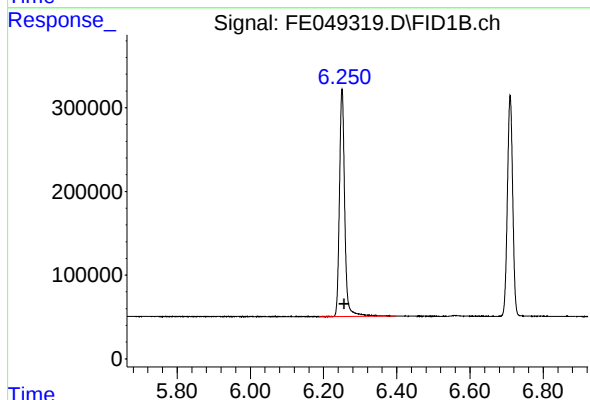
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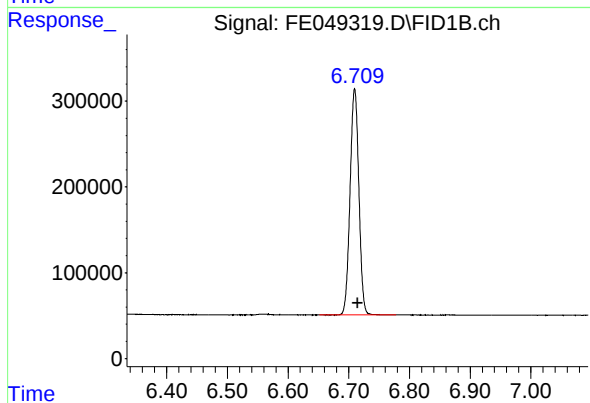
#2 n-Decane (C10)

R.T.: 4.543 min
Delta R.T.: -0.007 min
Response: 2661262
Conc: 17.23 ug/ml



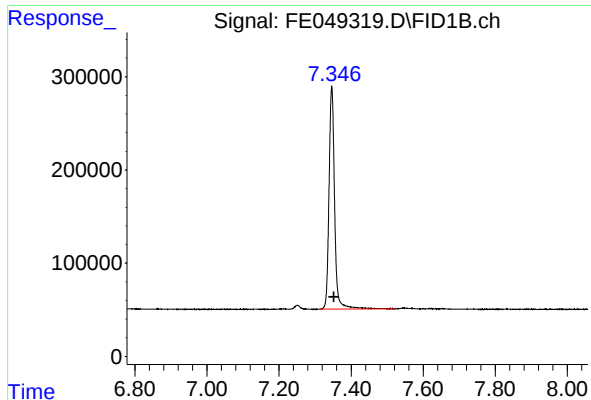
#3 A~Naphthalene (C11.7)

R.T.: 6.251 min
Delta R.T.: -0.006 min
Response: 2705921
Conc: 17.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.710 min
Delta R.T.: -0.005 min
Response: 2648134
Conc: 17.20 ug/ml



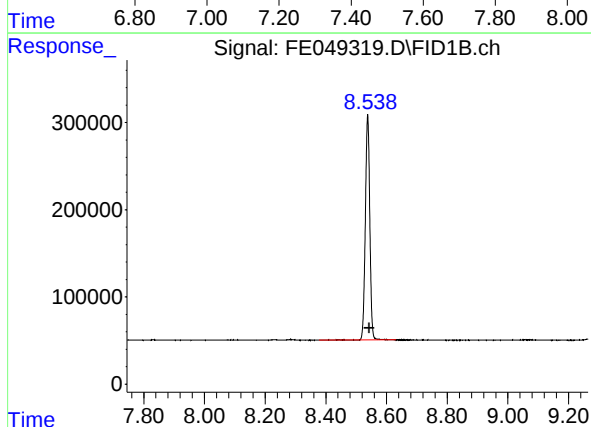
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.346 min
Delta R.T.: -0.006 min
Response: 2557829
Conc: 17.58 ug/ml

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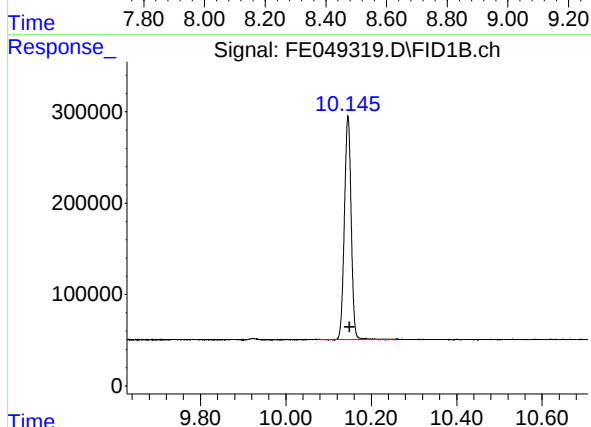
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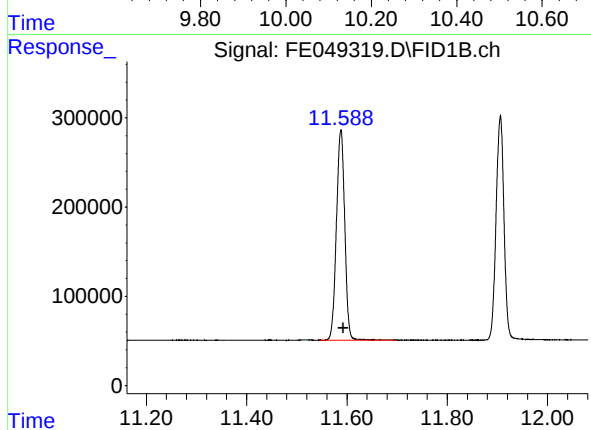
#6 n-Tetradecane (C14)

R.T.: 8.538 min
Delta R.T.: -0.005 min
Response: 2632943
Conc: 17.35 ug/ml



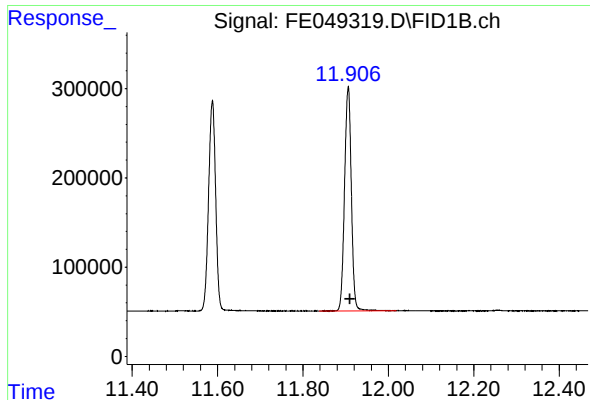
#7 n-Hexadecane (C16)

R.T.: 10.145 min
Delta R.T.: -0.004 min
Response: 2692536
Conc: 17.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.588 min
Delta R.T.: -0.005 min
Response: 2717259
Conc: 17.90 ug/ml



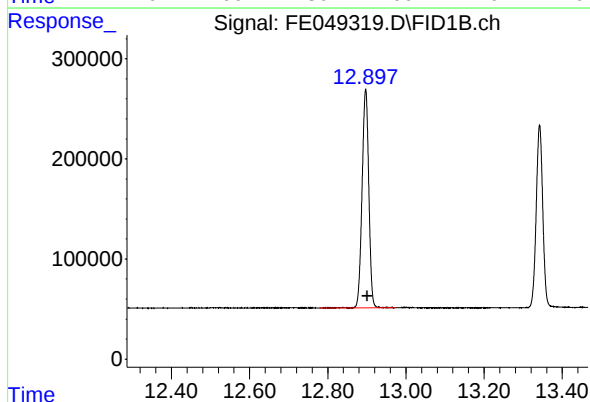
#9 ortho-Terphenyl (SURR)

R.T.: 11.906 min
Delta R.T.: -0.005 min
Response: 2769165
Conc: 17.85 ug/ml

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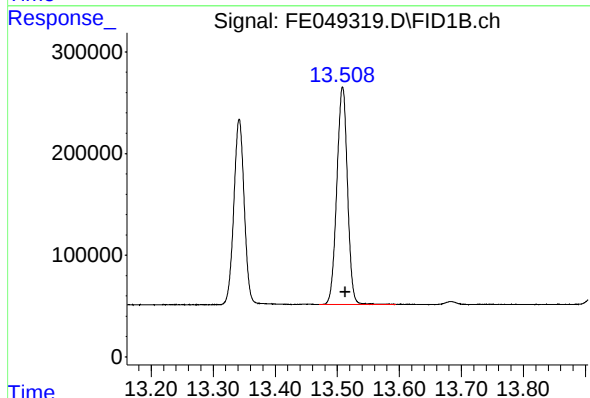
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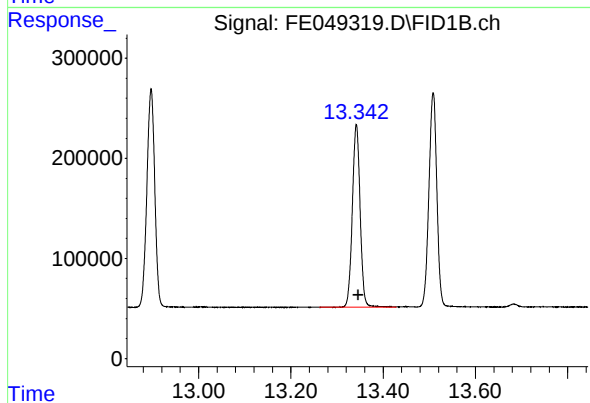
#10 n-Eicosane (C20)

R.T.: 12.897 min
Delta R.T.: -0.004 min
Response: 2597259
Conc: 17.96 ug/ml



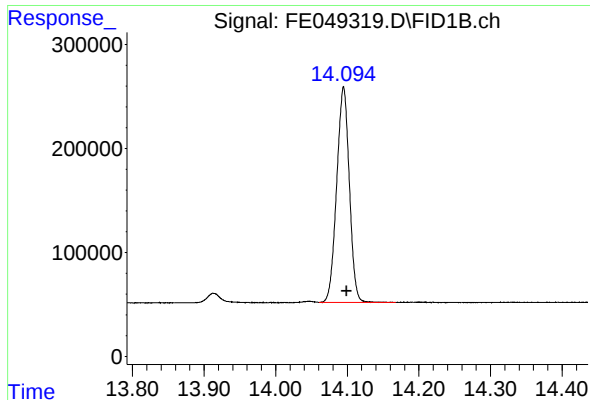
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: -0.005 min
Response: 2551354
Conc: 17.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.004 min
Response: 2132626
Conc: 18.25 ug/ml



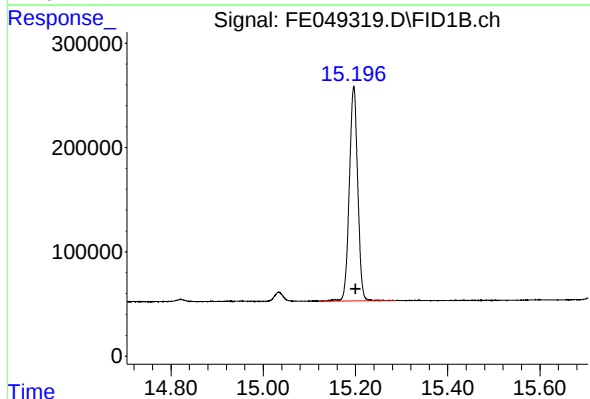
#13 n-Docosane (C22)

R.T.: 14.095 min
Delta R.T.: -0.004 min
Response: 2548520
Conc: 18.14 ug/ml

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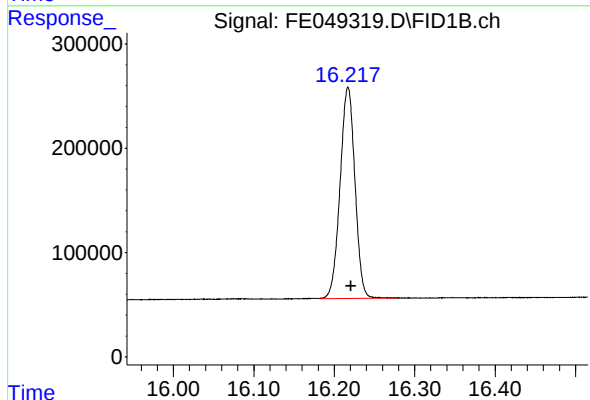
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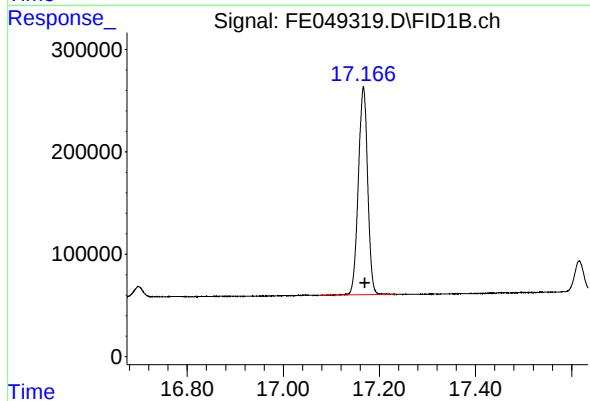
#14 n-Tetracosane (C24)

R.T.: 15.196 min
Delta R.T.: -0.004 min
Response: 2589960
Conc: 18.48 ug/ml



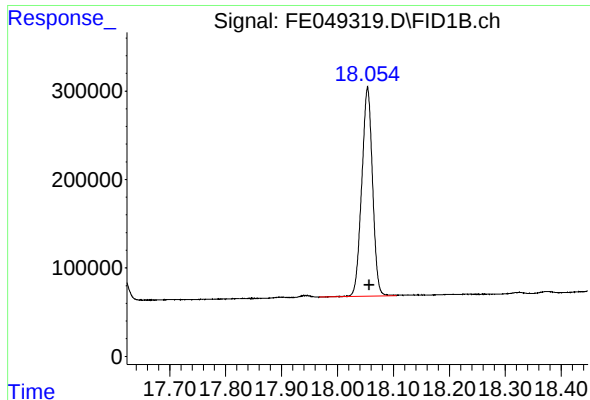
#15 n-Hexacosane (C26)

R.T.: 16.217 min
Delta R.T.: -0.004 min
Response: 2600909
Conc: 18.55 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.167 min
Delta R.T.: -0.003 min
Response: 2744725
Conc: 19.61 ug/ml



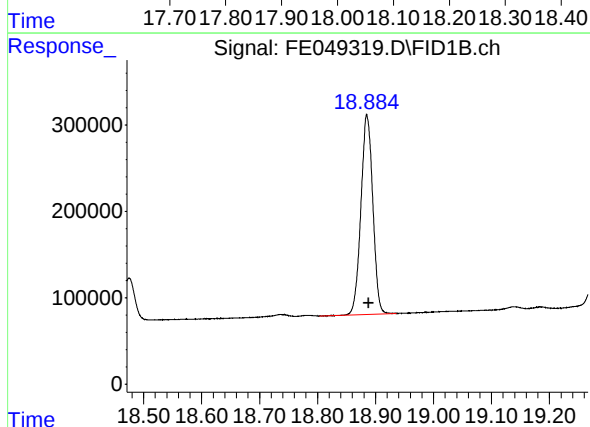
#17 n-Tricontane (C30)

R.T.: 18.054 min
Delta R.T.: -0.003 min
Response: 3165475
Conc: 21.70 ug/ml

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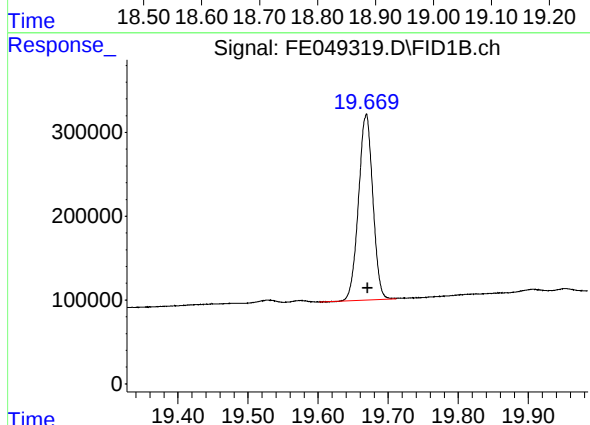
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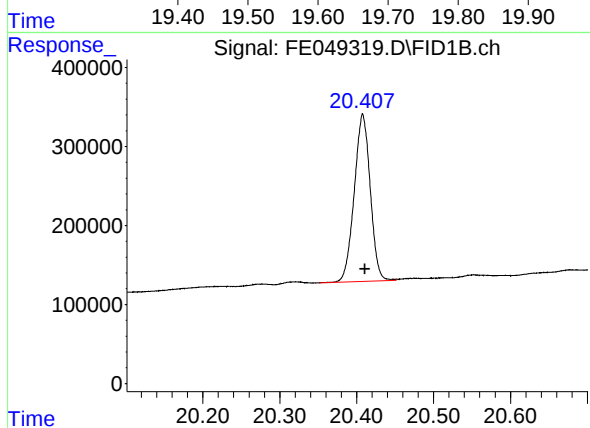
#18 n-Dotriacontane (C32)

R.T.: 18.885 min
Delta R.T.: -0.003 min
Response: 3288096
Conc: 22.36 ug/ml



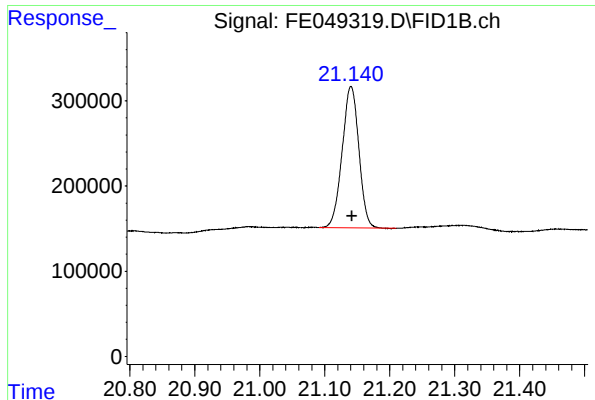
#19 n-Tetratriacontane (C34)

R.T.: 19.668 min
Delta R.T.: -0.002 min
Response: 3146356
Conc: 21.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.408 min
Delta R.T.: -0.003 min
Response: 3054383
Conc: 21.19 ug/ml



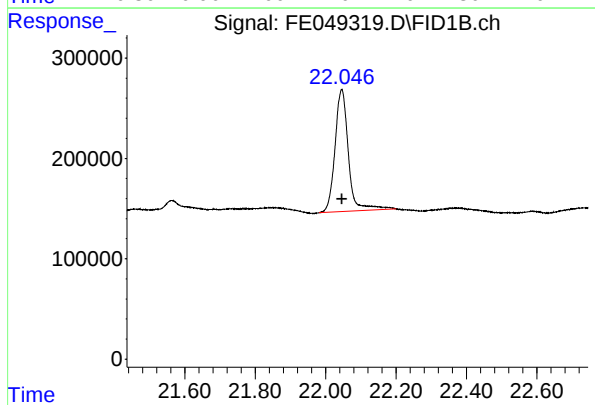
#21 n-Octatriacontane (C38)

R.T.: 21.140 min
Delta R.T.: -0.001 min
Response: 2962903
Conc: 19.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.046 min
Delta R.T.: -0.001 min
Response: 3216275
Conc: 21.31 ug/ml