

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092225AL\
 Data File : FE055952.D
 Signal(s) : FID1B.ch
 Acq On : 23 Sep 2025 07:06
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File: sample.E
 Quant Time: Sep 23 07:35:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 2025
 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)	12.072	3423089	20.836 ug/ml
Spiked Amount 50.000		Recovery =	41.67%
12) S 1-chlorooctadecane (S...	13.508	2592739	20.734 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
Target Compounds			
1) T n-Nonane (C9)	3.409	2384110	18.787 ug/ml
2) T n-Decane (C10)	4.668	2456191	19.174 ug/ml
3) T A~Naphthalene (C11.7)	6.388	2824330	19.439 ug/ml
4) T n-Dodecane (C12)	6.844	2530275	19.432 ug/ml
5) T A~2-methylnaphthalene...	7.489	2786929	19.815 ug/ml
6) T n-Tetradecane (C14)	8.681	2627952	19.955 ug/ml
7) T n-Hexadecane (C16)	10.295	2857590	20.633 ug/ml
8) T n-Octadecane (C18)	11.745	3064168	21.008 ug/ml
10) T n-Eicosane (C20)	13.060	3043222	21.141 ug/ml
11) T n-Heneicosane (C21)	13.675	2982246	20.878 ug/ml
13) T n-Docosane (C22)	14.263	2977408	20.800 ug/ml
14) T n-Tetracosane (C24)	15.369	2962631	20.475 ug/ml
15) T n-Hexacosane (C26)	16.394	2779283	19.454 ug/ml
16) T n-Octacosane (C28)	17.346	2739721	19.262 ug/ml
17) T n-Tricontane (C30)	18.236	2988816	20.219 ug/ml
18) T n-Dotriacontane (C32)	19.071	3111502	21.199 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2824922	19.994 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2512312	19.039 ug/ml
21) T n-Octatriacontane (C38)	21.374	2259923	17.352 ug/mlm
22) T n-Tetracontane (C40)	22.360	2311120	18.022 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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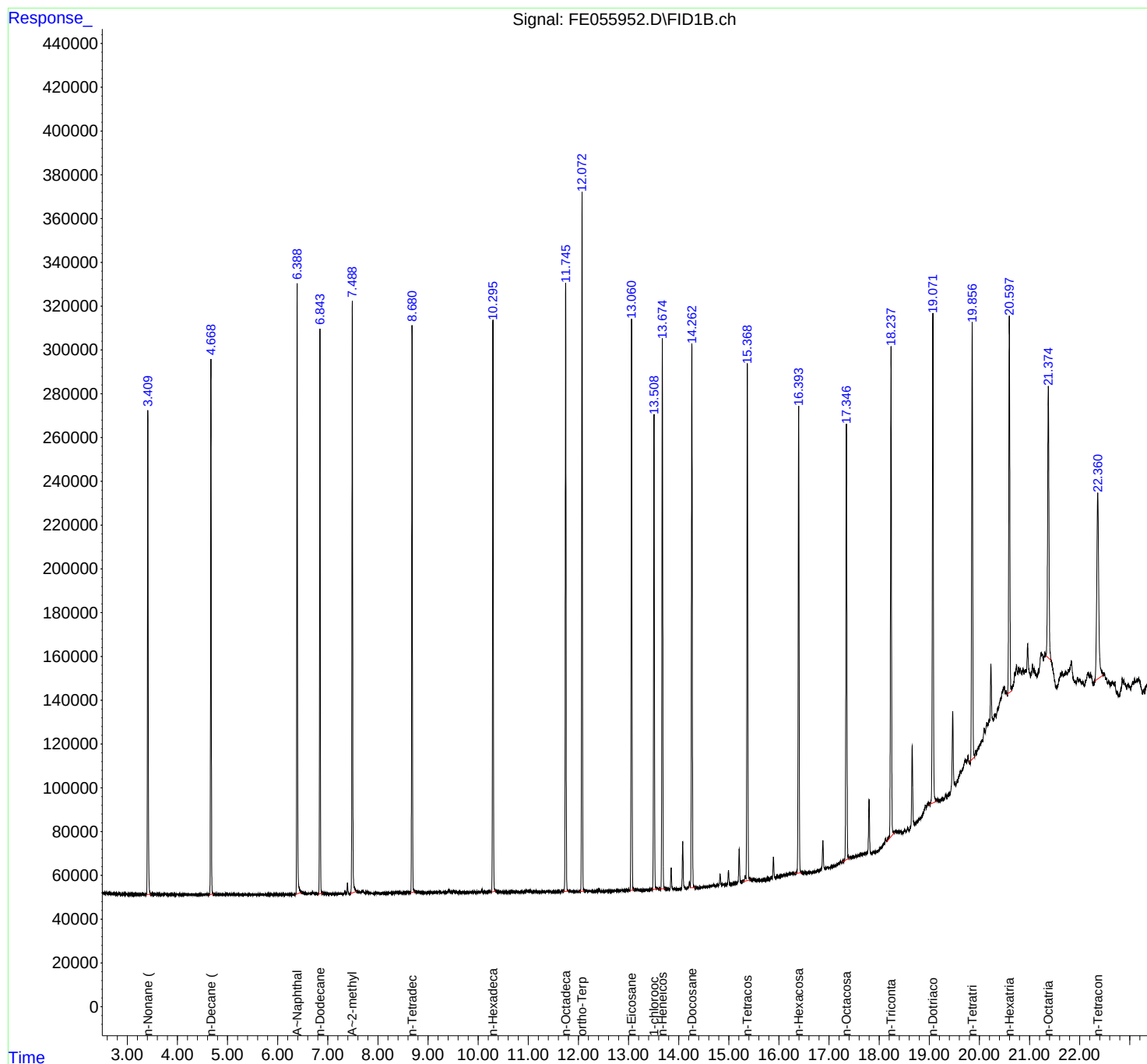
Instrument :
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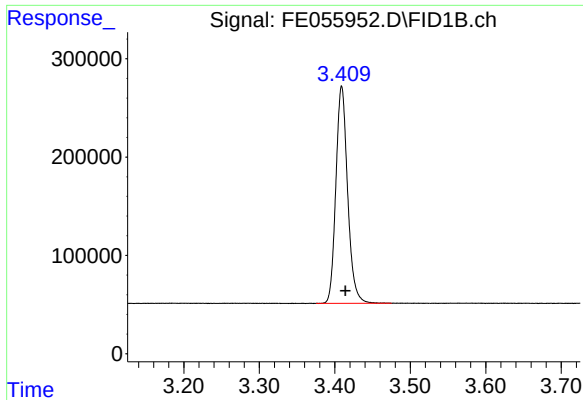
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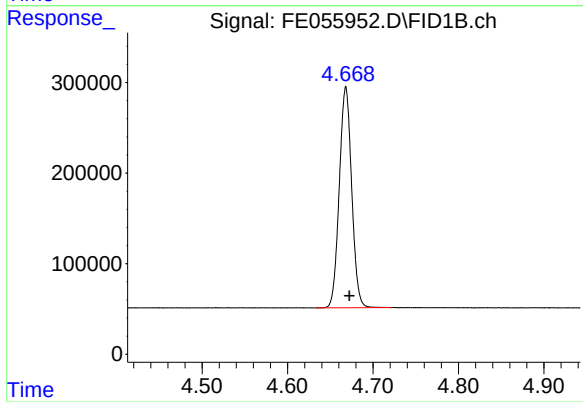
#1 n-Nonane (C9)

R.T.: 3.409 min
Delta R.T.: -0.005 min
Response: 2384110
Conc: 18.79 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

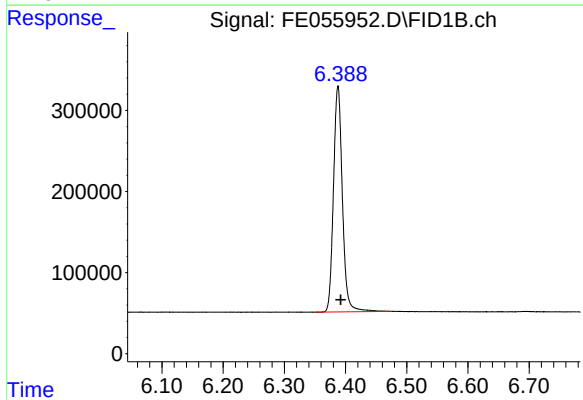
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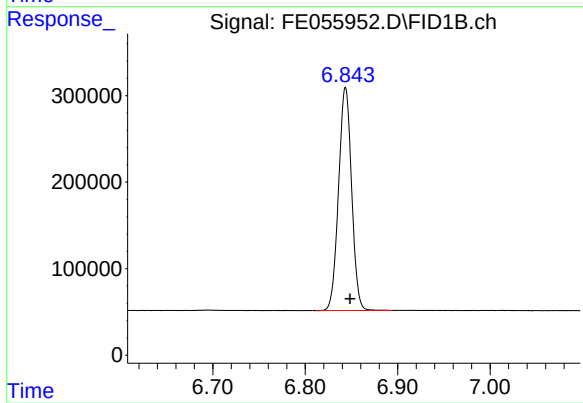
#2 n-Decane (C10)

R.T.: 4.668 min
Delta R.T.: -0.004 min
Response: 2456191
Conc: 19.17 ug/ml



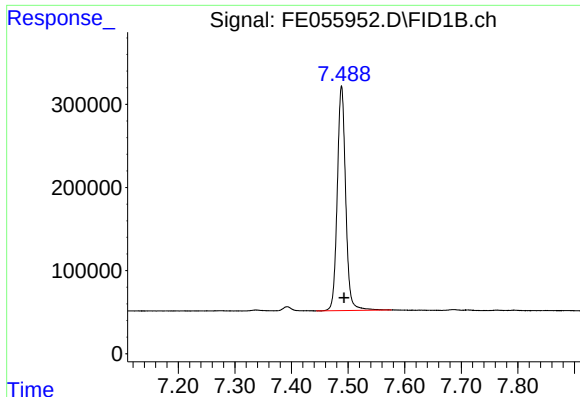
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: -0.005 min
Response: 2824330
Conc: 19.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.844 min
Delta R.T.: -0.005 min
Response: 2530275
Conc: 19.43 ug/ml



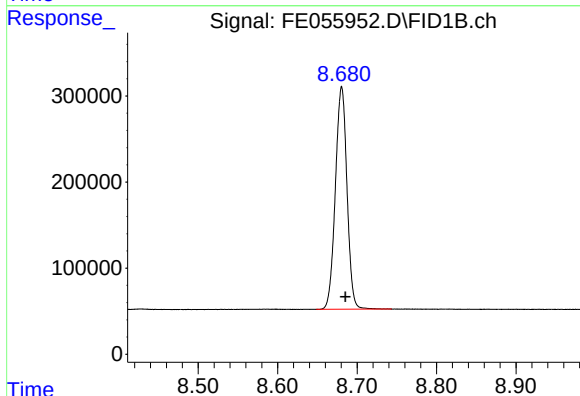
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.489 min
Delta R.T.: -0.005 min
Response: 2786929
Conc: 19.81 ug/ml

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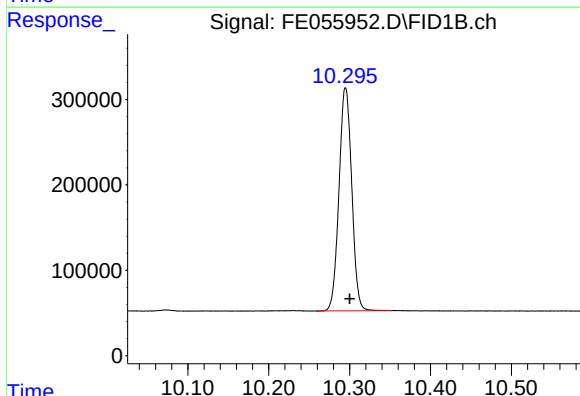
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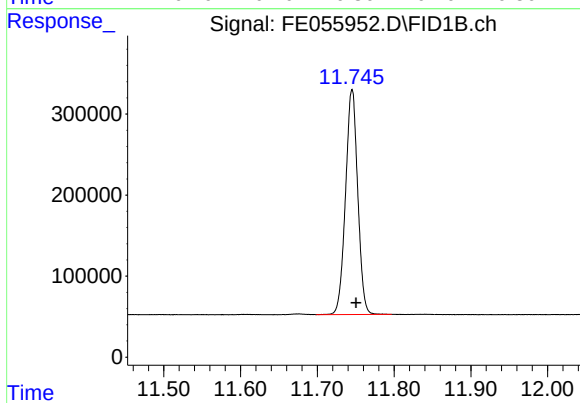
#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: -0.005 min
Response: 2627952
Conc: 19.96 ug/ml



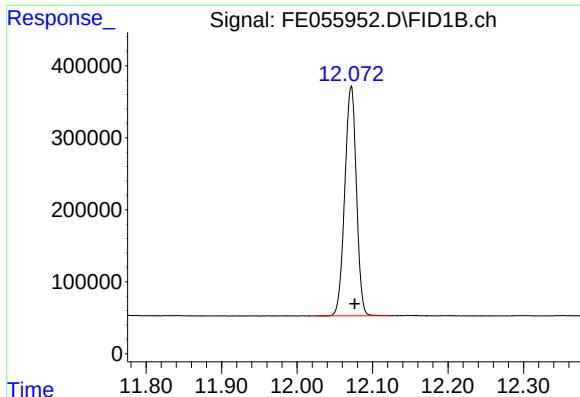
#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: -0.005 min
Response: 2857590
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: -0.005 min
Response: 3064168
Conc: 21.01 ug/ml



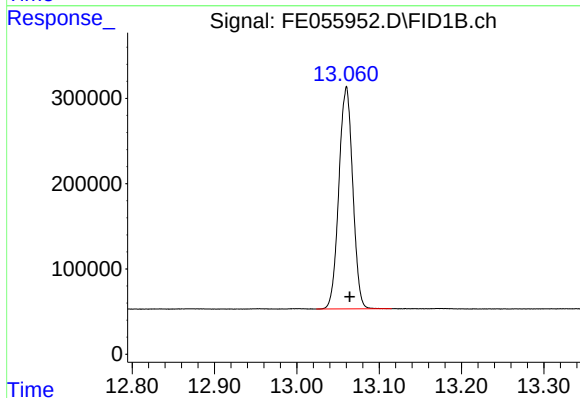
#9 ortho-Terphenyl (SURR)

R.T.: 12.072 min
Delta R.T.: -0.005 min
Response: 3423089
Conc: 20.84 ug/ml

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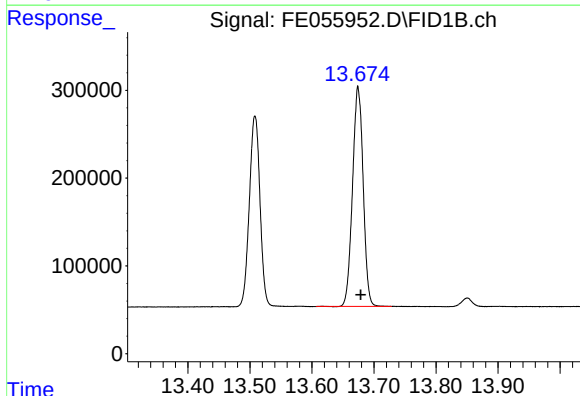
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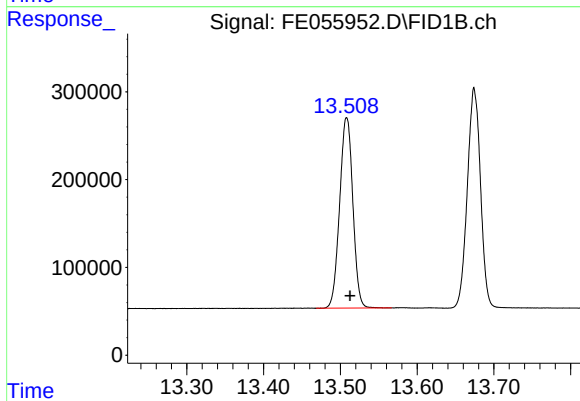
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: -0.004 min
Response: 3043222
Conc: 21.14 ug/ml



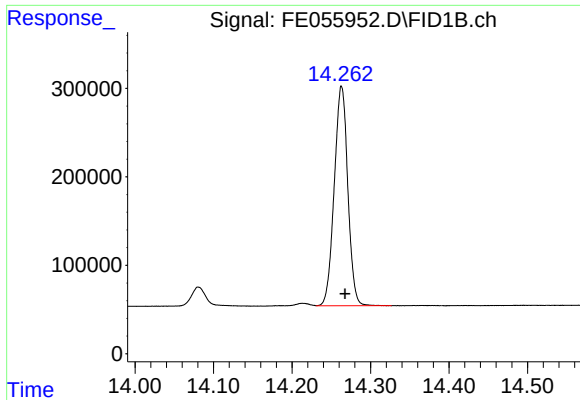
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: -0.004 min
Response: 2982246
Conc: 20.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: -0.005 min
Response: 2592739
Conc: 20.73 ug/ml



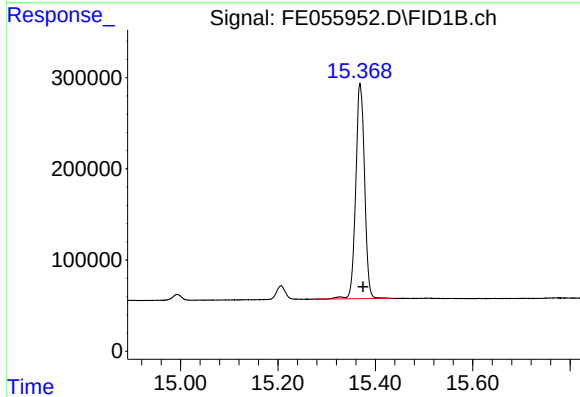
#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: -0.004 min
Response: 2977408
Conc: 20.80 ug/ml

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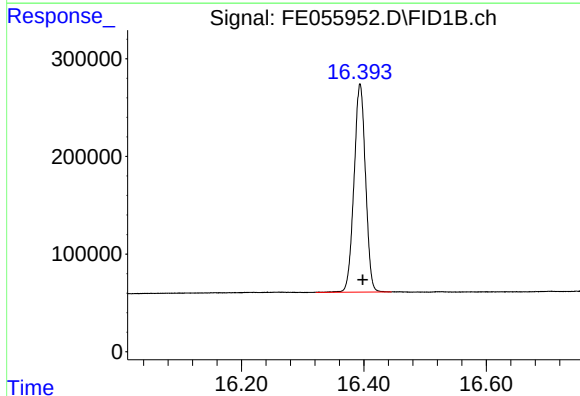
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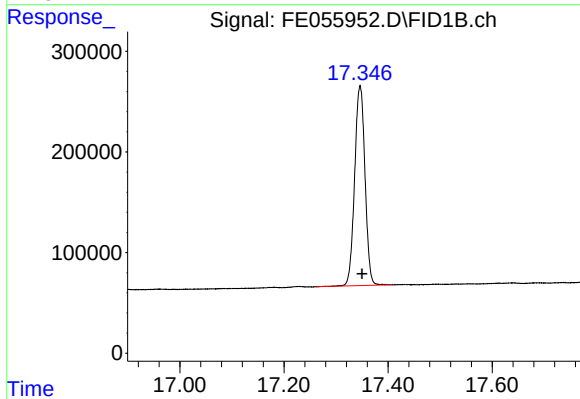
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: -0.005 min
Response: 2962631
Conc: 20.47 ug/ml



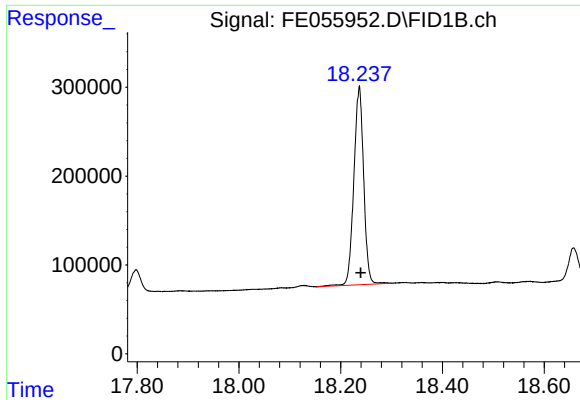
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: -0.005 min
Response: 2779283
Conc: 19.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: -0.004 min
Response: 2739721
Conc: 19.26 ug/ml



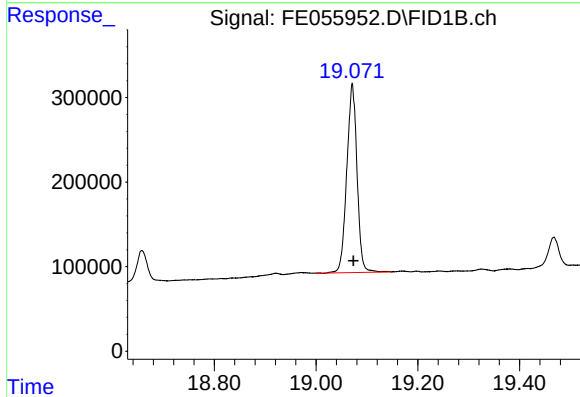
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: -0.003 min
Response: 2988816
Conc: 20.22 ug/ml

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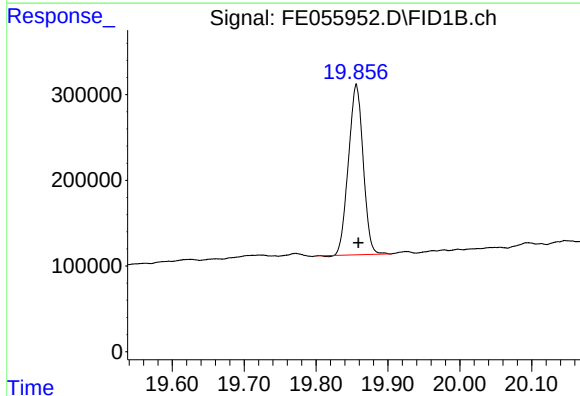
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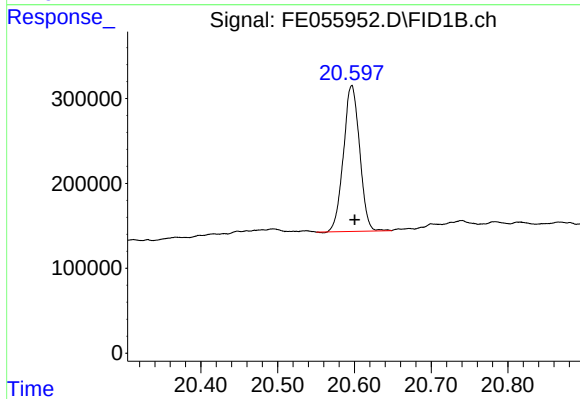
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: -0.002 min
Response: 3111502
Conc: 21.20 ug/ml



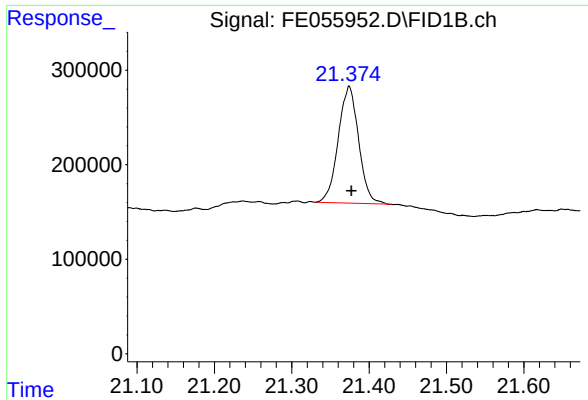
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: -0.003 min
Response: 2824922
Conc: 19.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: -0.004 min
Response: 2512312
Conc: 19.04 ug/ml



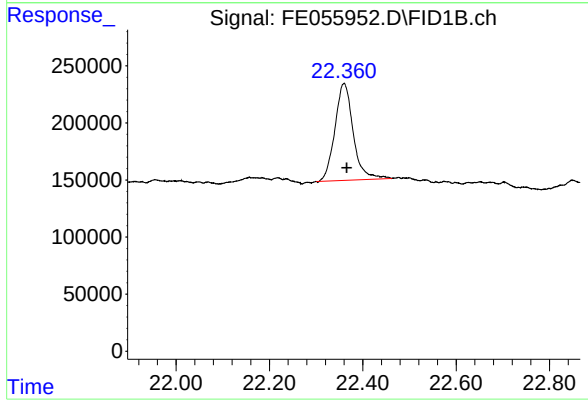
#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: -0.004 min
Response: 2259923
Conc: 17.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.360 min
Delta R.T.: -0.006 min
Response: 2311120
Conc: 18.02 ug/ml