

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055426.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 13:43
 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 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:17:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 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)	12.083	2988372	20.926 ug/ml
Spiked Amount 50.000		Recovery =	41.85%
12) S 1-chlorooctadecane (S...	13.519	2329249	21.663 ug/ml
Spiked Amount 50.000		Recovery =	43.33%
Target Compounds			
1) T n-Nonane (C9)	3.418	2341921	20.405 ug/ml
2) T n-Decane (C10)	4.676	2376934	20.404 ug/ml
3) T A~Naphthalene (C11.7)	6.397	2757546	20.543 ug/ml
4) T n-Dodecane (C12)	6.852	2451423	20.586 ug/ml
5) T A~2-methylnaphthalene...	7.498	2702659	20.729 ug/ml
6) T n-Tetradecane (C14)	8.690	2494986	20.349 ug/ml
7) T n-Hexadecane (C16)	10.305	2609028	20.408 ug/ml
8) T n-Octadecane (C18)	11.756	2693549	20.644 ug/ml
10) T n-Eicosane (C20)	13.071	2631772	20.975 ug/ml
11) T n-Heneicosane (C21)	13.686	2607165	21.150 ug/ml
13) T n-Docosane (C22)	14.274	2606755	21.346 ug/ml
14) T n-Tetracosane (C24)	15.380	2592219	21.312 ug/ml
15) T n-Hexacosane (C26)	16.405	2536513	21.200 ug/ml
16) T n-Octacosane (C28)	17.357	2507547	21.139 ug/ml
17) T n-Tricontane (C30)	18.246	2559831	20.803 ug/mlm
18) T n-Dotriacontane (C32)	19.081	2544239	20.852 ug/mlm
19) T n-Tetratriacontane (C34)	19.867	2455014	20.998 ug/mlm
20) T n-Hexatriacontane (C36)	20.608	2297330	21.019 ug/mlm
21) T n-Octatriacontane (C38)	21.388	2221319	20.554 ug/mlm
22) T n-Tetracontane (C40)	22.379	2241467	21.434 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

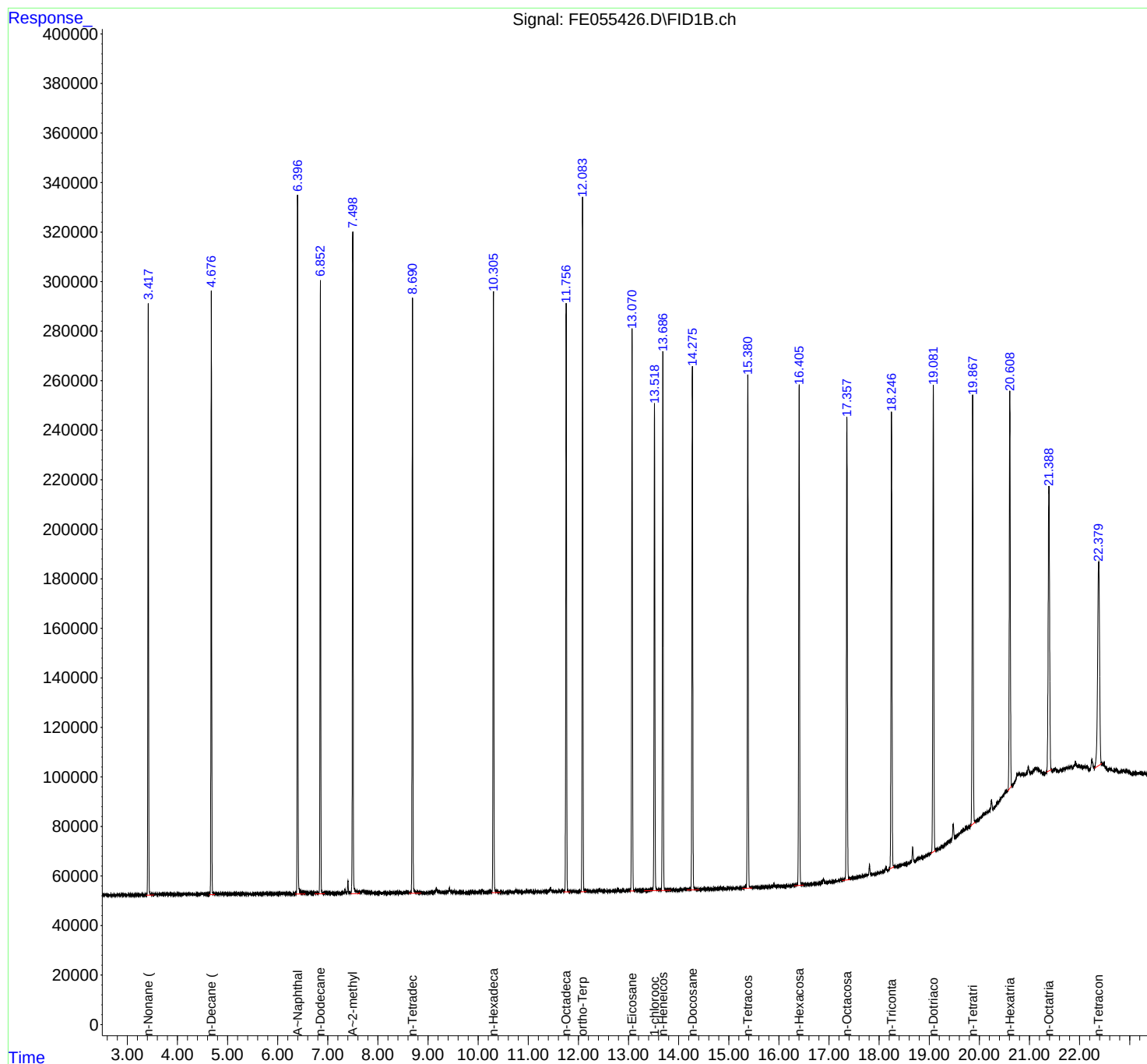
Instrument :
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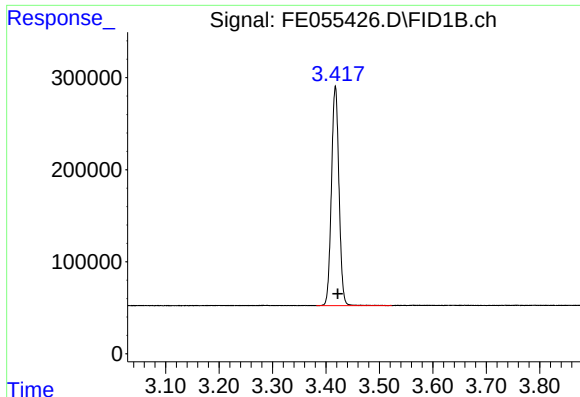
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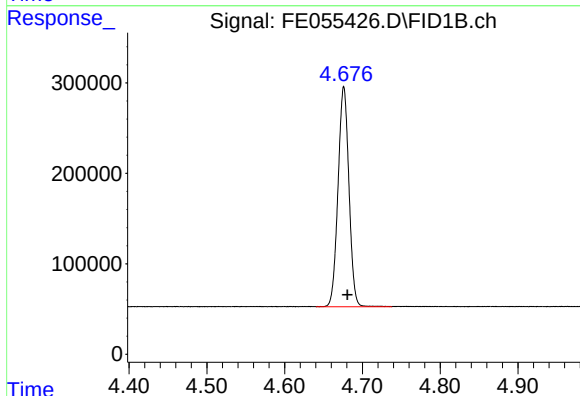
#1 n-Nonane (C9)

R.T.: 3.418 min
Delta R.T.: -0.004 min
Response: 2341921
Conc: 20.41 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

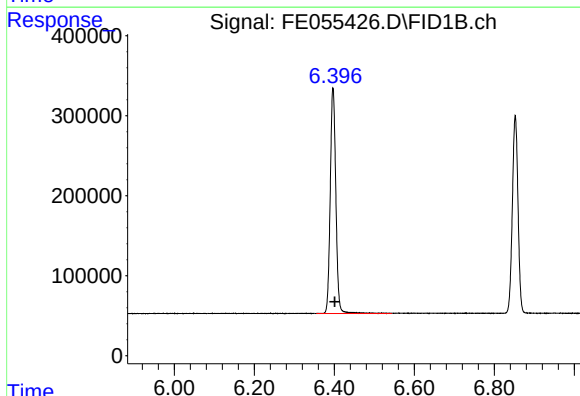
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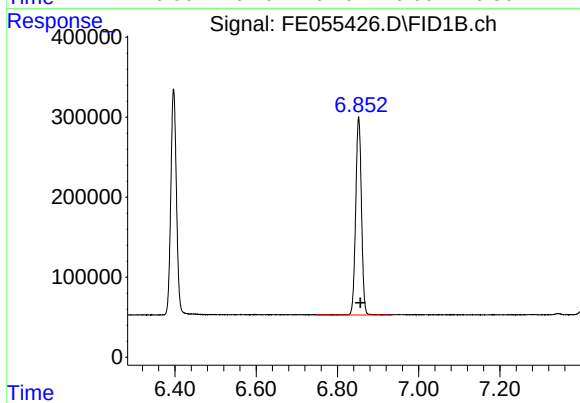
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: -0.004 min
Response: 2376934
Conc: 20.40 ug/ml



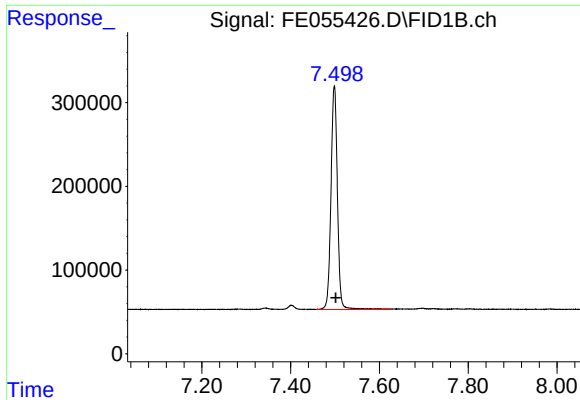
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min
Delta R.T.: -0.004 min
Response: 2757546
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.852 min
Delta R.T.: -0.004 min
Response: 2451423
Conc: 20.59 ug/ml



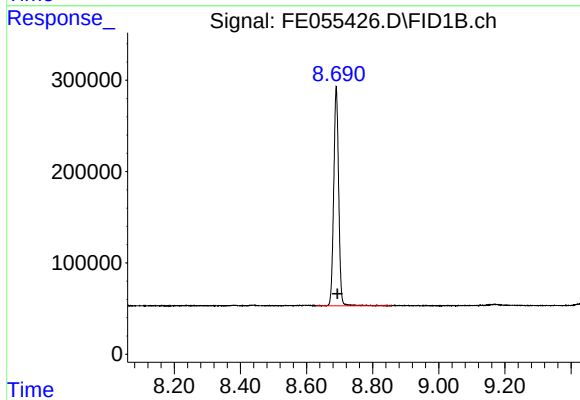
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.498 min
Delta R.T.: -0.003 min
Response: 2702659
Conc: 20.73 ug/ml

Instrument :
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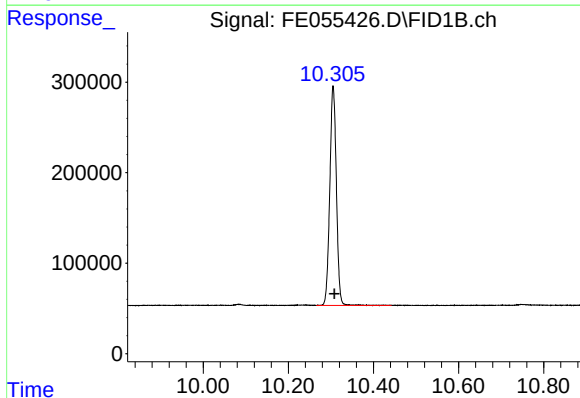
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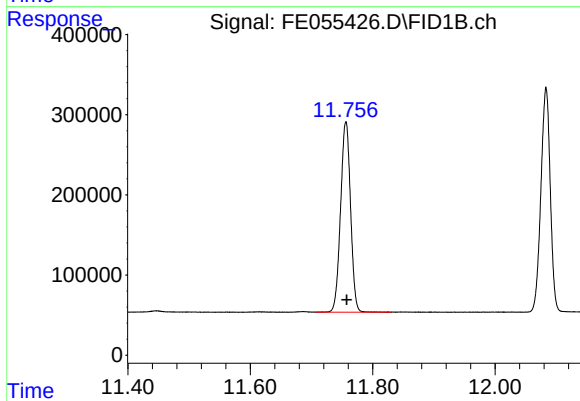
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: -0.004 min
Response: 2494986
Conc: 20.35 ug/ml



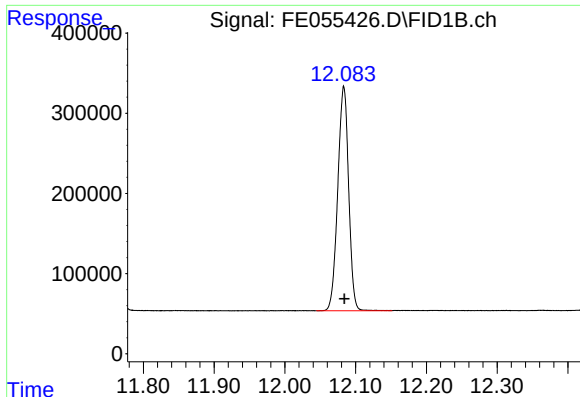
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: -0.003 min
Response: 2609028
Conc: 20.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.756 min
Delta R.T.: -0.002 min
Response: 2693549
Conc: 20.64 ug/ml



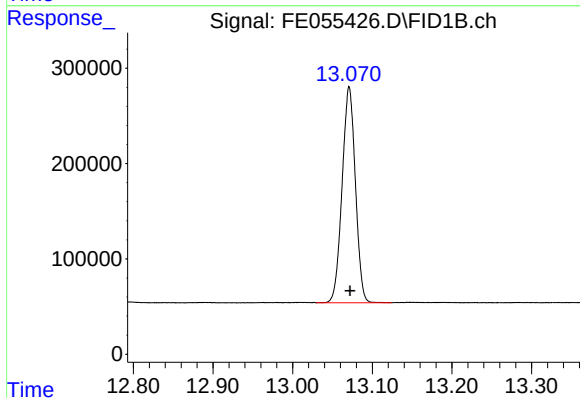
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: -0.001 min
Response: 2988372
Conc: 20.93 ug/ml

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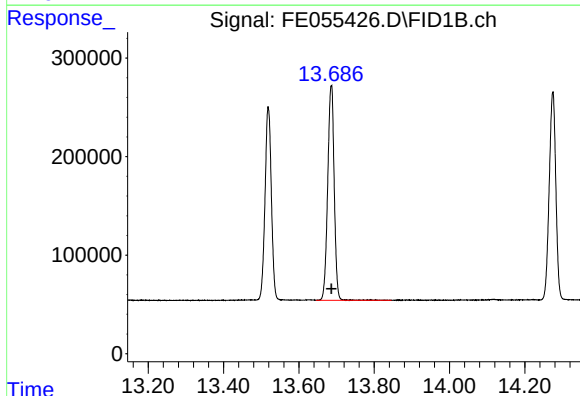
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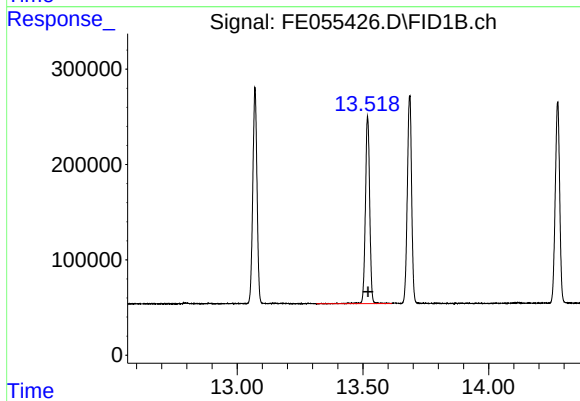
#10 n-Eicosane (C20)

R.T.: 13.071 min
Delta R.T.: -0.001 min
Response: 2631772
Conc: 20.97 ug/ml



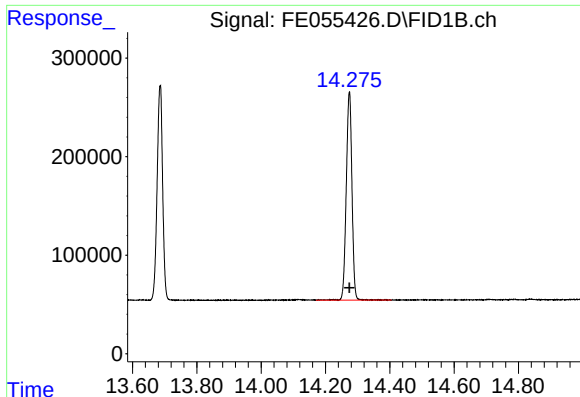
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.000 min
Response: 2607165
Conc: 21.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: -0.002 min
Response: 2329249
Conc: 21.66 ug/ml



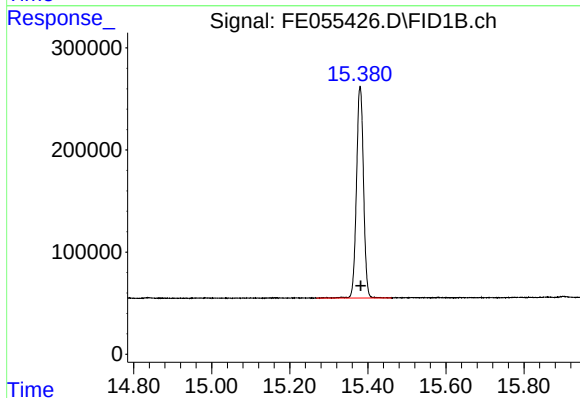
#13 n-Docosane (C22)

R.T.: 14.274 min
Delta R.T.: 0.000 min
Response: 2606755
Conc: 21.35 ug/ml

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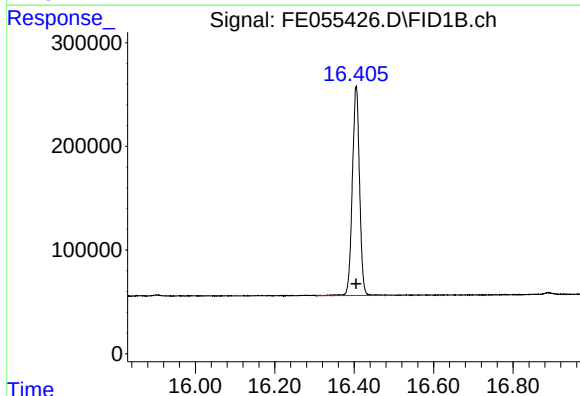
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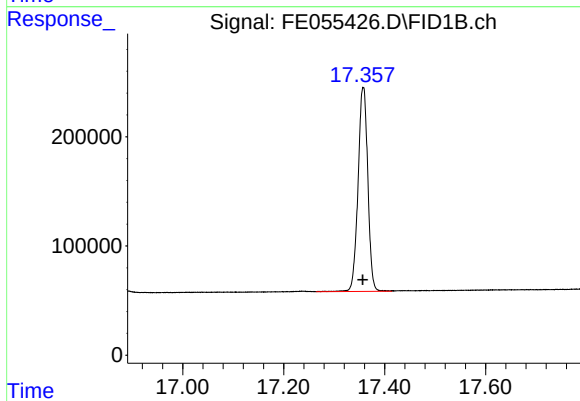
#14 n-Tetracosane (C24)

R.T.: 15.380 min
Delta R.T.: -0.002 min
Response: 2592219
Conc: 21.31 ug/ml



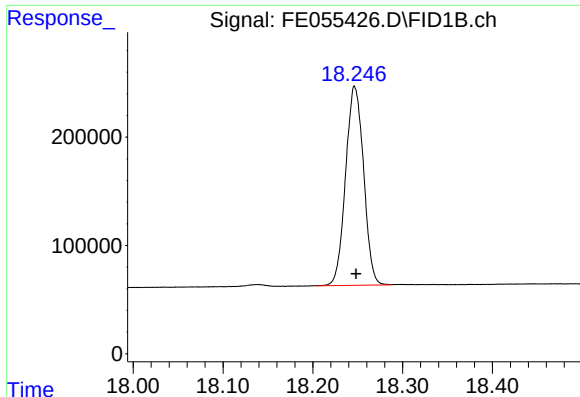
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.000 min
Response: 2536513
Conc: 21.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 2507547
Conc: 21.14 ug/ml



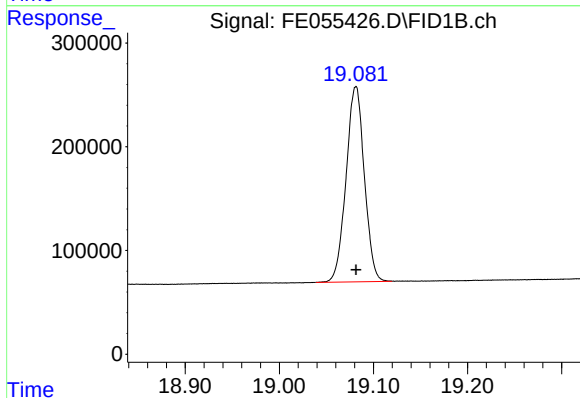
#17 n-Tricontane (C30)

R.T.: 18.246 min
Delta R.T.: -0.002 min
Response: 2559831
Conc: 20.80 ug/ml

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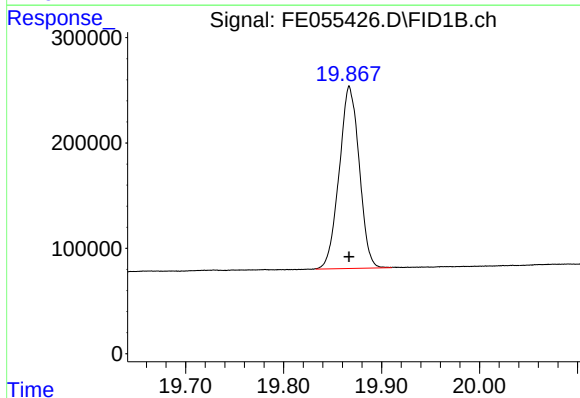
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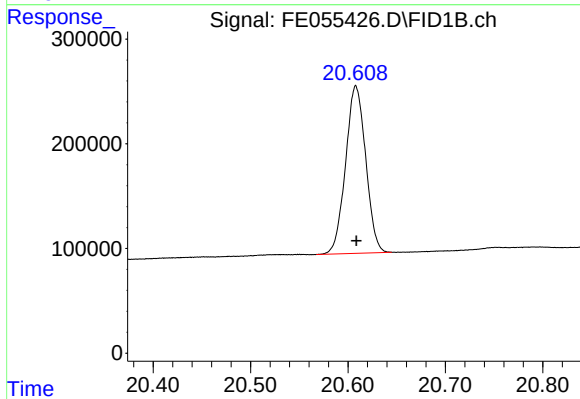
#18 n-Dotriacontane (C32)

R.T.: 19.081 min
Delta R.T.: 0.000 min
Response: 2544239
Conc: 20.85 ug/ml m



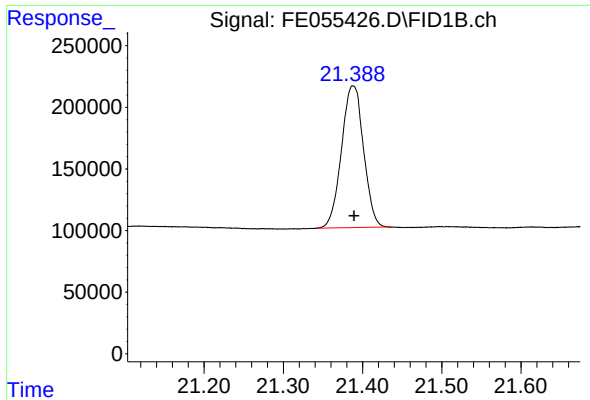
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 2455014
Conc: 21.00 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 2297330
Conc: 21.02 ug/ml m



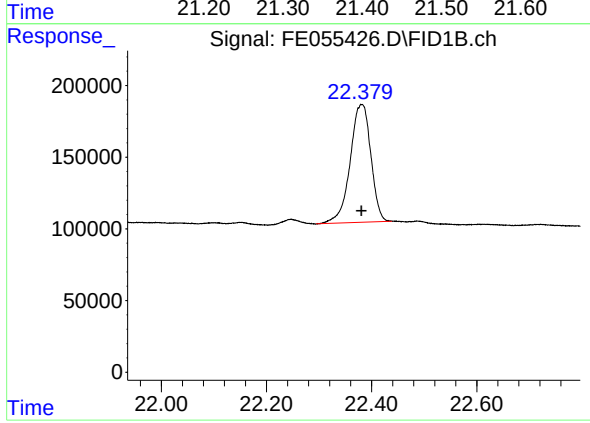
#21 n-Octatriacontane (C38)

R.T.: 21.388 min
Delta R.T.: -0.002 min
Response: 2221319
Conc: 20.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.379 min
Delta R.T.: -0.002 min
Response: 2241467
Conc: 21.43 ug/ml m