

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090925AL\
 Data File : FE055735.D
 Signal(s) : FID1B.ch
 Acq On : 09 Sep 2025 12:54
 Operator : YP\AJ
 Sample : Q2893-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File: autoint1.e
 Quant Time: Sep 10 01:03:46 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			
12) S 1-chlorooctadecane (S...	13.516	3843622	30.738 ug/ml
Spiked Amount 50.000		Recovery =	61.48%
Target Compounds			
1) T n-Nonane (C9)	3.417	192847	1.520 ug/ml
2) T n-Decane (C10)	4.675	236115	1.843 ug/ml
4) T n-Dodecane (C12)	6.850	274729	2.110 ug/ml
6) T n-Tetradecane (C14)	8.687	309405	2.349 ug/ml
7) T n-Hexadecane (C16)	10.301	294561	2.127 ug/mlm
8) T n-Octadecane (C18)	11.751	323997	2.221 ug/ml
10) T n-Eicosane (C20)	13.066	348206	2.419 ug/ml
11) T n-Heneicosane (C21)	13.681	313368	2.194 ug/ml
13) T n-Docosane (C22)	14.269	329191	2.300 ug/ml
14) T n-Tetracosane (C24)	15.375	341394	2.359 ug/mlm
15) T n-Hexacosane (C26)	16.399	325291	2.277 ug/mlm
16) T n-Octacosane (C28)	17.352	372063	2.616 ug/ml
17) T n-Tricontane (C30)	18.242	498913	3.375 ug/ml
18) T n-Dotriacontane (C32)	19.076	566249	3.858 ug/ml
19) T n-Tetratriacontane (C34)	19.861	512036	3.624 ug/ml
20) T n-Hexatriacontane (C36)	20.602	480862	3.644 ug/ml
21) T n-Octatriacontane (C38)	21.379	404219	3.104 ug/ml
22) T n-Tetracontane (C40)	22.365	435664	3.397 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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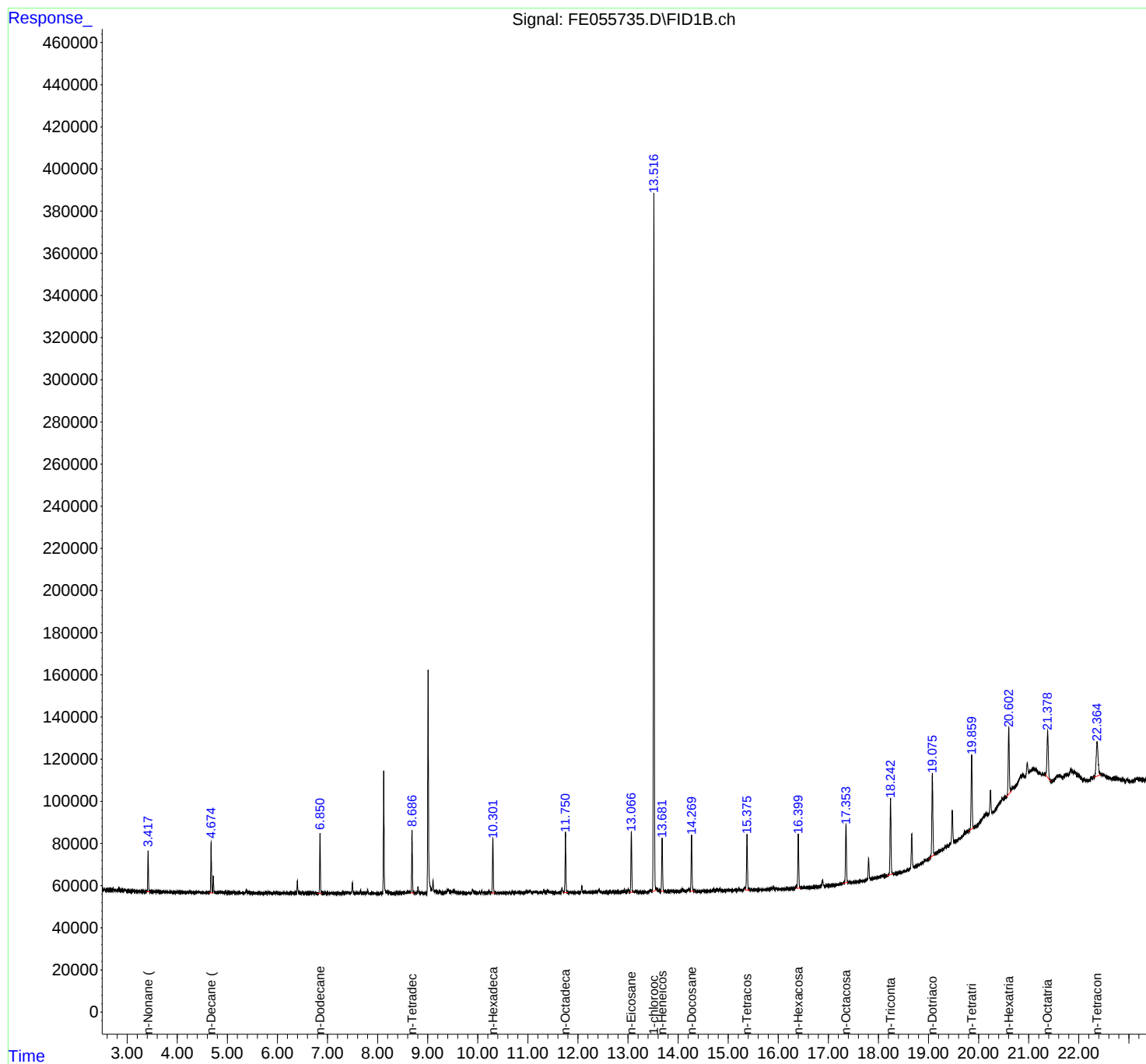
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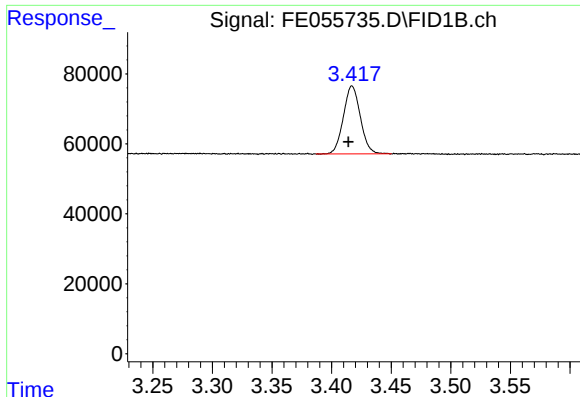
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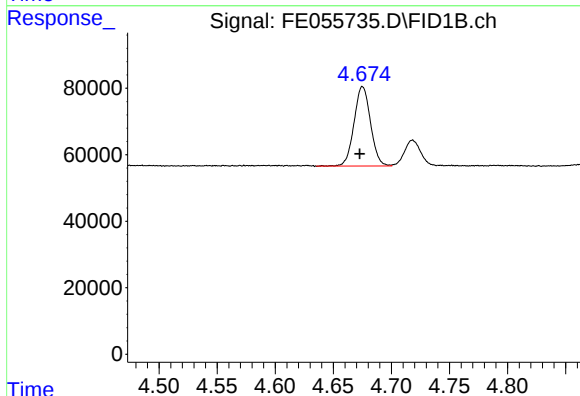
#1 n-Nonane (C9)

R.T.: 3.417 min
Delta R.T.: 0.003 min
Response: 192847
Conc: 1.52 ug/ml

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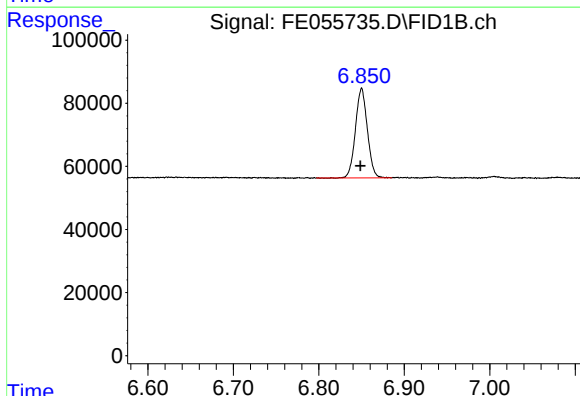
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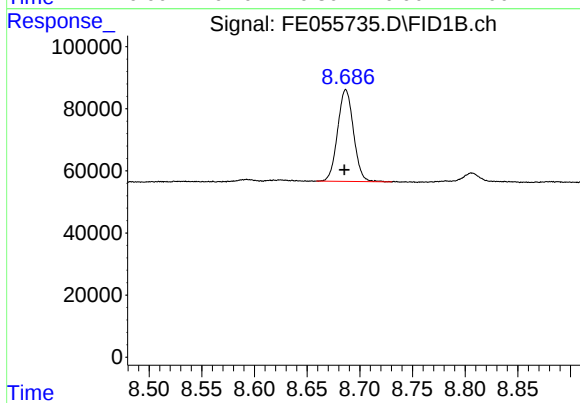
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.003 min
Response: 236115
Conc: 1.84 ug/ml



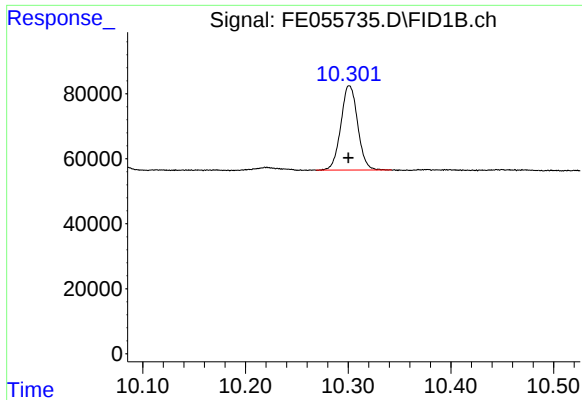
#4 n-Dodecane (C12)

R.T.: 6.850 min
Delta R.T.: 0.002 min
Response: 274729
Conc: 2.11 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.687 min
Delta R.T.: 0.001 min
Response: 309405
Conc: 2.35 ug/ml



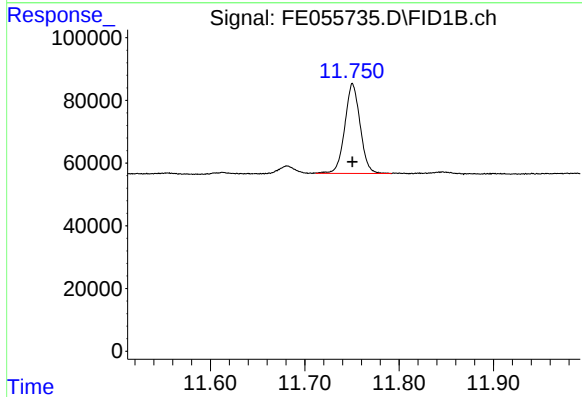
#7 n-Hexadecane (C16)

R.T.: 10.301 min
Delta R.T.: 0.000 min
Response: 294561
Conc: 2.13 ug/ml

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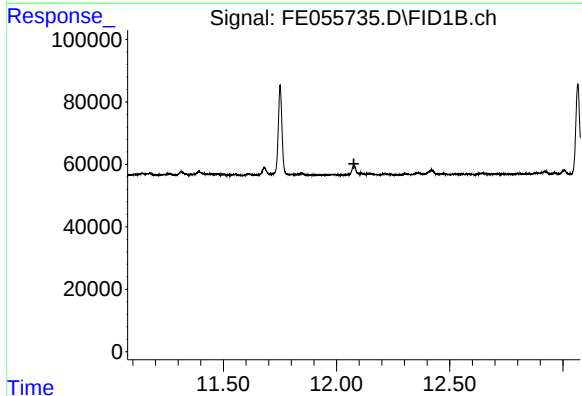
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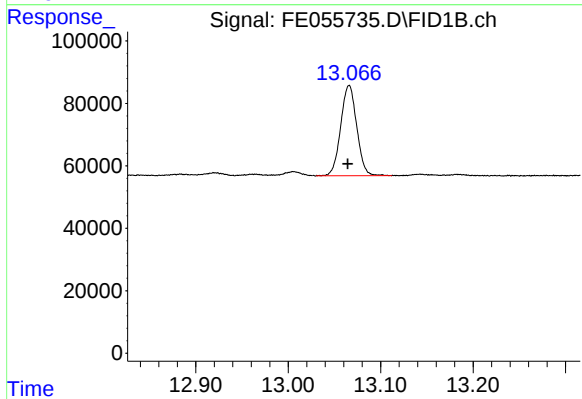
#8 n-Octadecane (C18)

R.T.: 11.751 min
Delta R.T.: 0.000 min
Response: 323997
Conc: 2.22 ug/ml



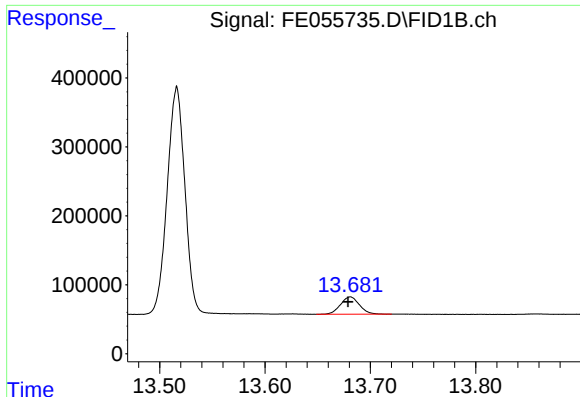
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.077 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.066 min
Delta R.T.: 0.001 min
Response: 348206
Conc: 2.42 ug/ml



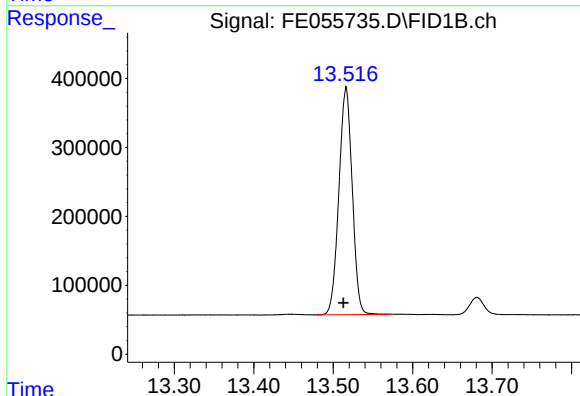
#11 n-Heneicosane (C21)

R.T.: 13.681 min
Delta R.T.: 0.002 min
Response: 313368
Conc: 2.19 ug/ml

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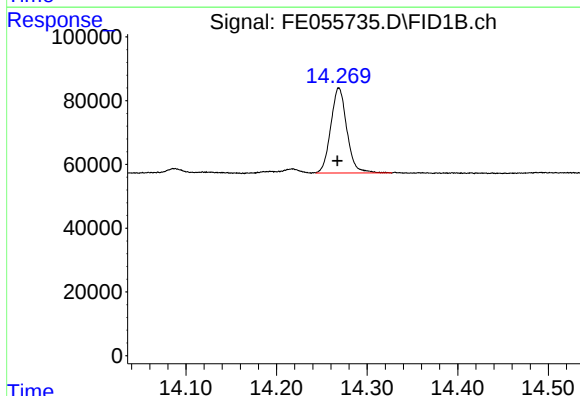
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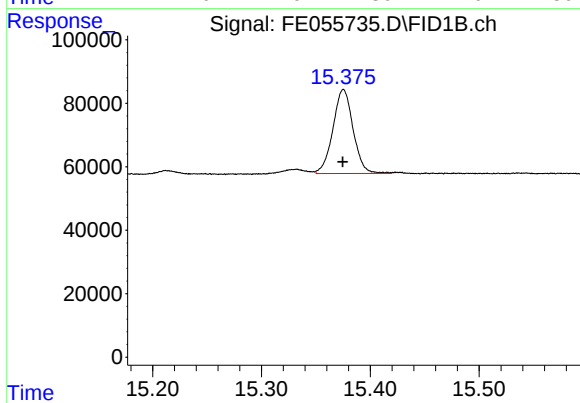
#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: 0.003 min
Response: 3843622
Conc: 30.74 ug/ml



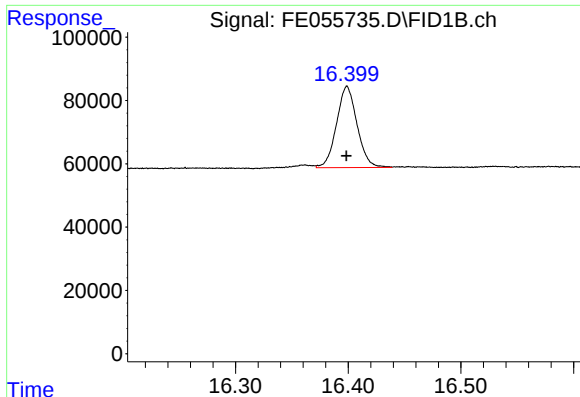
#13 n-Docosane (C22)

R.T.: 14.269 min
Delta R.T.: 0.001 min
Response: 329191
Conc: 2.30 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.375 min
Delta R.T.: 0.000 min
Response: 341394
Conc: 2.36 ug/ml m



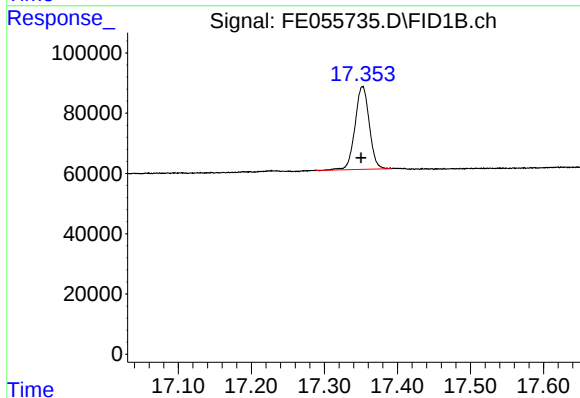
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.000 min
Response: 325291
Conc: 2.28 ug/ml

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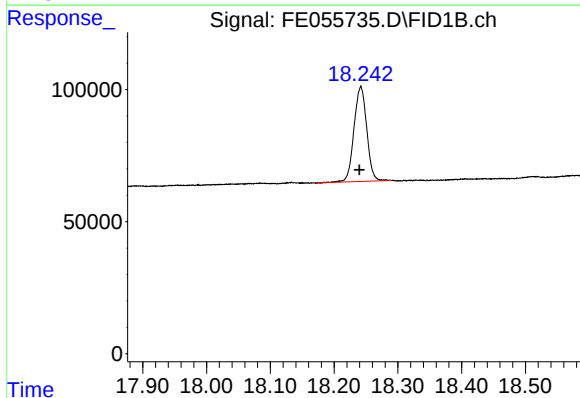
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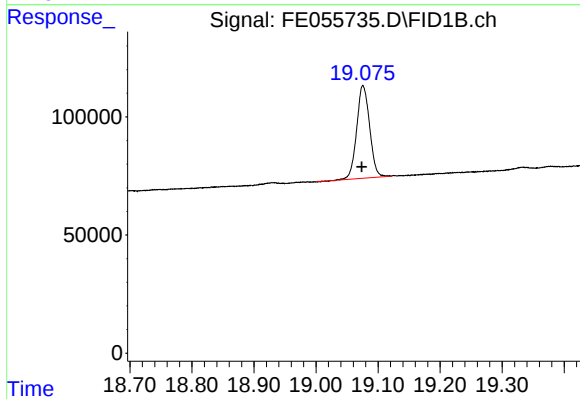
#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: 0.002 min
Response: 372063
Conc: 2.62 ug/ml



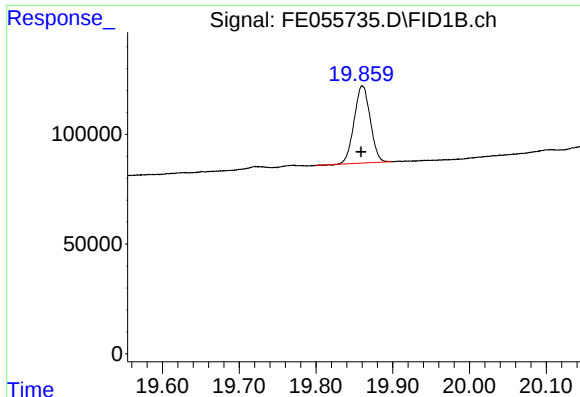
#17 n-Tricontane (C30)

R.T.: 18.242 min
Delta R.T.: 0.002 min
Response: 498913
Conc: 3.38 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.076 min
Delta R.T.: 0.002 min
Response: 566249
Conc: 3.86 ug/ml



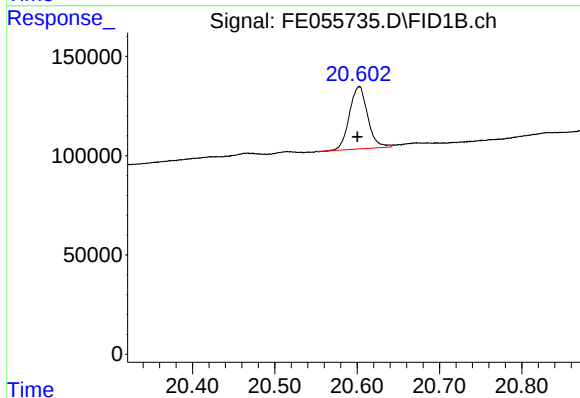
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.002 min
Response: 512036
Conc: 3.62 ug/ml

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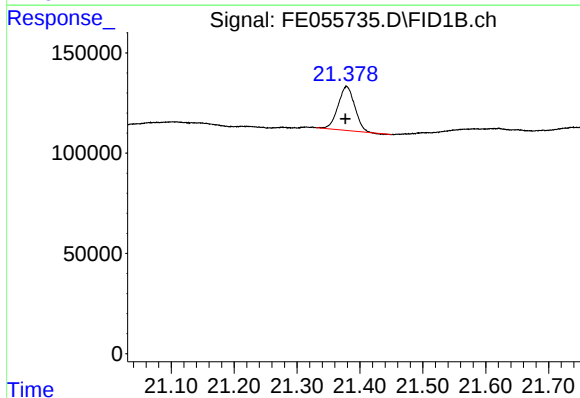
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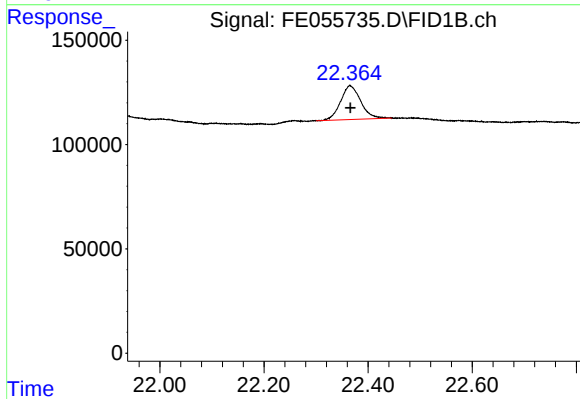
#20 n-Hexatriacontane (C36)

R.T.: 20.602 min
Delta R.T.: 0.002 min
Response: 480862
Conc: 3.64 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.002 min
Response: 404219
Conc: 3.10 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.365 min
Delta R.T.: 0.000 min
Response: 435664
Conc: 3.40 ug/ml