

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090925AL\
 Data File : FE055734.D
 Signal(s) : FID1B.ch
 Acq On : 09 Sep 2025 12:14
 Operator : YP\AJ
 Sample : Q2893-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-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 01:03:09 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...	13.514	3835989	30.677 ug/ml
Spiked Amount 50.000		Recovery =	61.35%
Target Compounds			
1) T n-Nonane (C9)	3.414	194850	1.535 ug/ml
2) T n-Decane (C10)	4.672	237760	1.856 ug/ml
4) T n-Dodecane (C12)	6.848	277345	2.130 ug/ml
6) T n-Tetradecane (C14)	8.684	320267	2.432 ug/mlm
7) T n-Hexadecane (C16)	10.299	289402	2.090 ug/mlm
8) T n-Octadecane (C18)	11.749	314838	2.158 ug/ml
10) T n-Eicosane (C20)	13.064	334504	2.324 ug/ml
11) T n-Heneicosane (C21)	13.678	298820	2.092 ug/ml
13) T n-Docosane (C22)	14.266	318743	2.227 ug/ml
14) T n-Tetracosane (C24)	15.372	329192	2.275 ug/mlm
15) T n-Hexacosane (C26)	16.398	318332	2.228 ug/mlm
16) T n-Octacosane (C28)	17.350	353652	2.486 ug/ml
17) T n-Tricontane (C30)	18.240	452111	3.059 ug/ml
18) T n-Dotriacontane (C32)	19.074	509872	3.474 ug/ml
19) T n-Tetratriacontane (C34)	19.859	469808	3.325 ug/ml
20) T n-Hexatriacontane (C36)	20.600	405511	3.073 ug/ml
21) T n-Octatriacontane (C38)	21.377	412347	3.166 ug/ml
22) T n-Tetracontane (C40)	22.363	404484	3.154 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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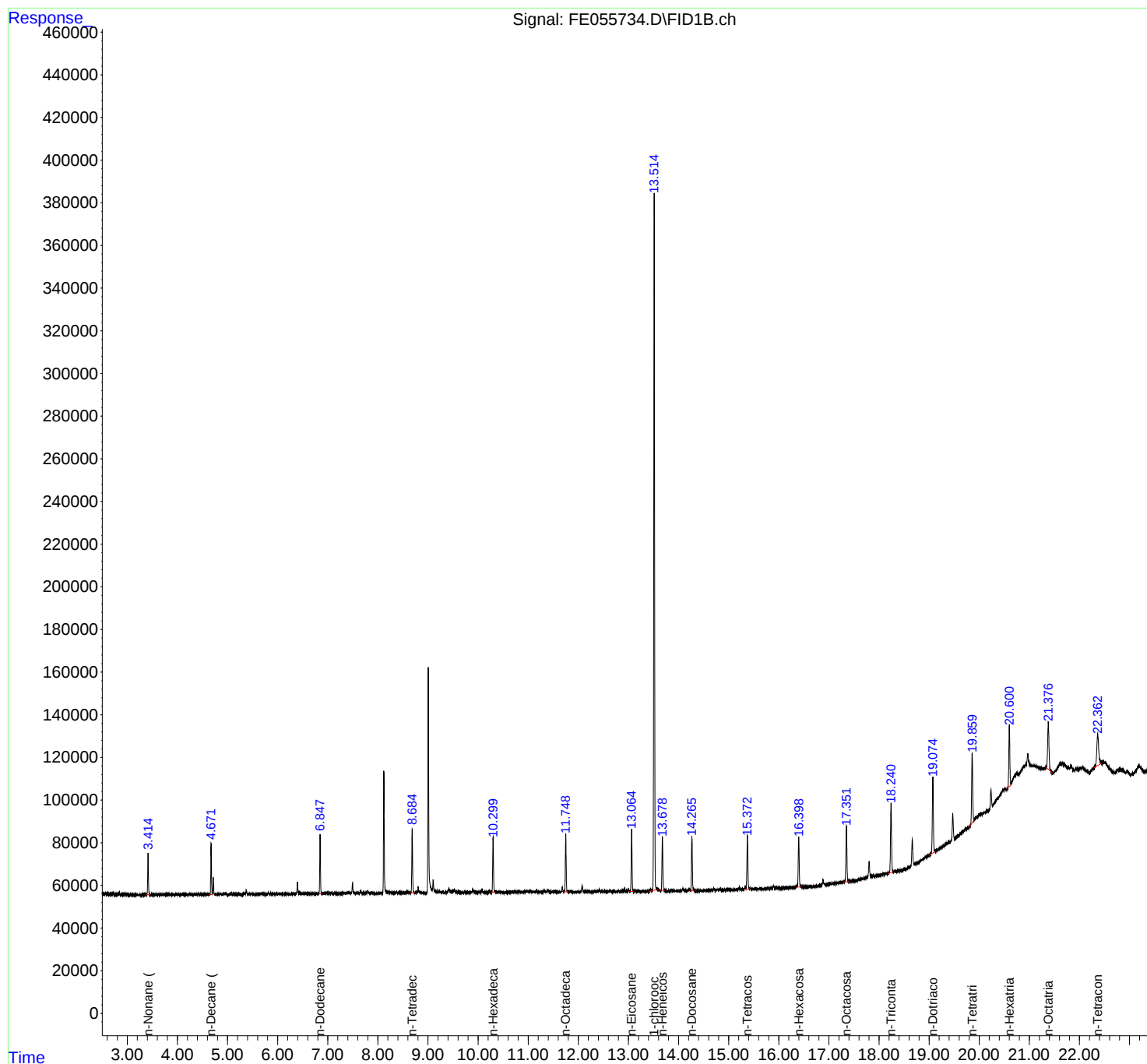
Instrument :
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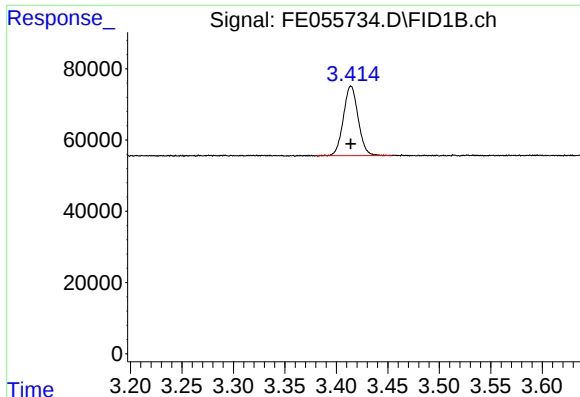
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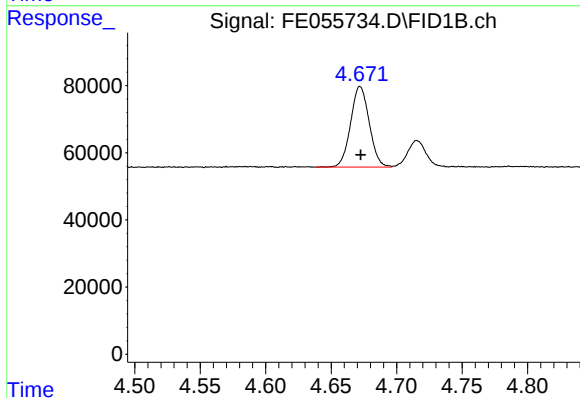
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 194850
Conc: 1.54 ug/ml

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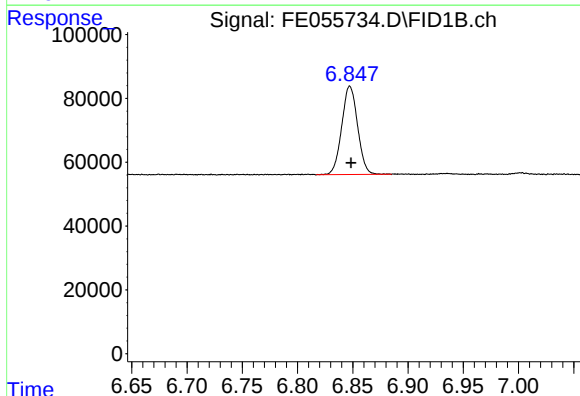
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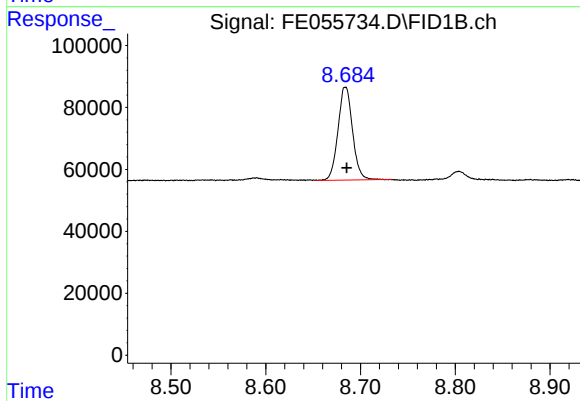
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 237760
Conc: 1.86 ug/ml



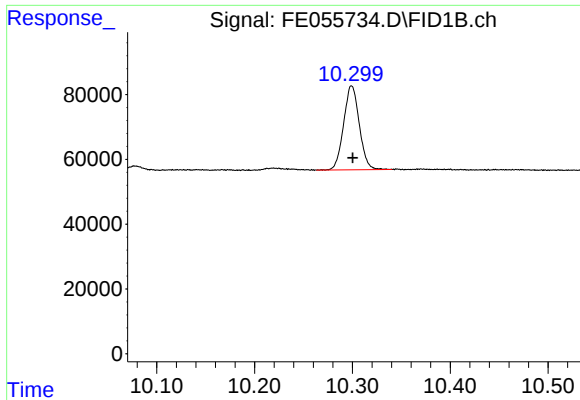
#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 277345
Conc: 2.13 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.684 min
Delta R.T.: -0.001 min
Response: 320267
Conc: 2.43 ug/ml m



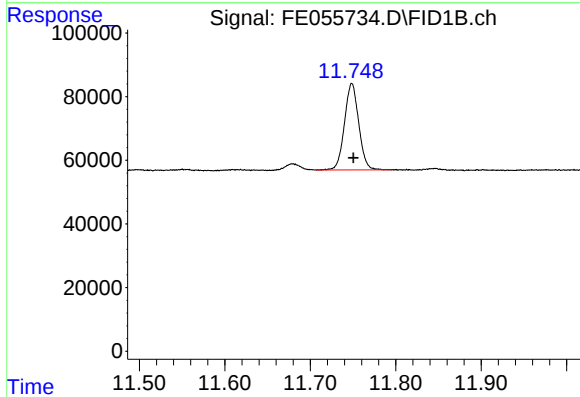
#7 n-Hexadecane (C16)

R.T.: 10.299 min
Delta R.T.: -0.002 min
Response: 289402
Conc: 2.09 ug/ml

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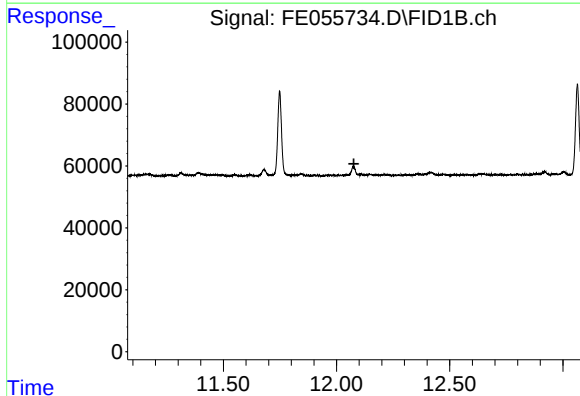
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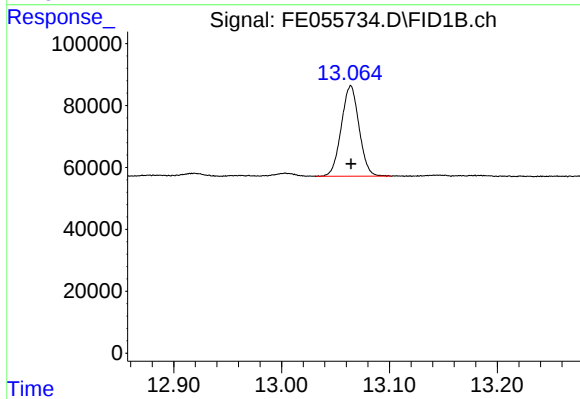
#8 n-Octadecane (C18)

R.T.: 11.749 min
Delta R.T.: -0.002 min
Response: 314838
Conc: 2.16 ug/ml



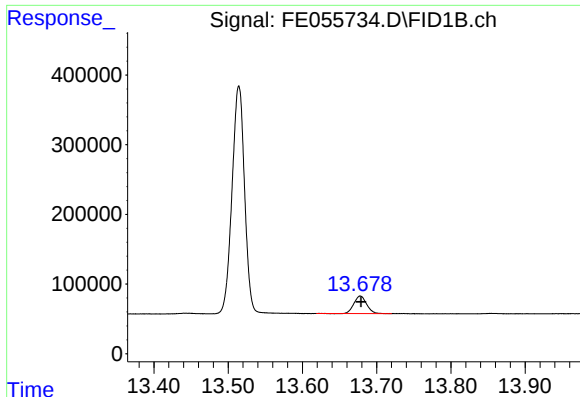
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.000 min
Response: 334504
Conc: 2.32 ug/ml



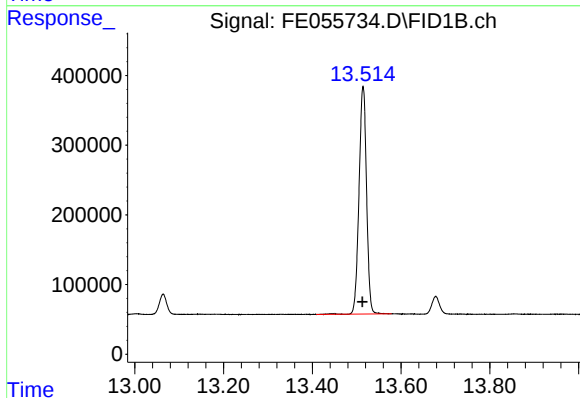
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: 0.000 min
Response: 298820
Conc: 2.09 ug/ml

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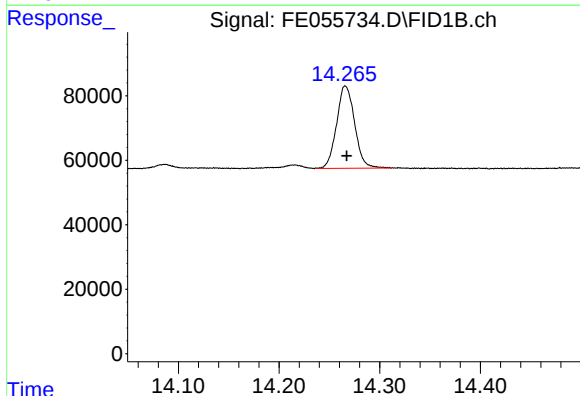
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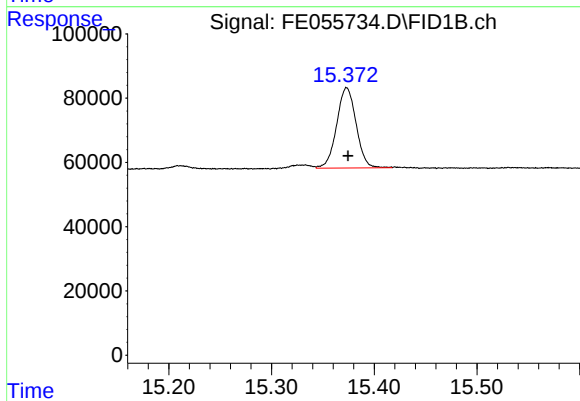
#12 1-chlorooctadecane (SURR)

R.T.: 13.514 min
Delta R.T.: 0.002 min
Response: 3835989
Conc: 30.68 ug/ml



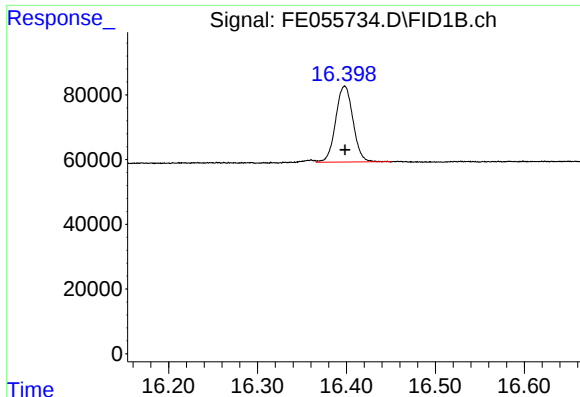
#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: -0.001 min
Response: 318743
Conc: 2.23 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: -0.002 min
Response: 329192
Conc: 2.28 ug/ml m



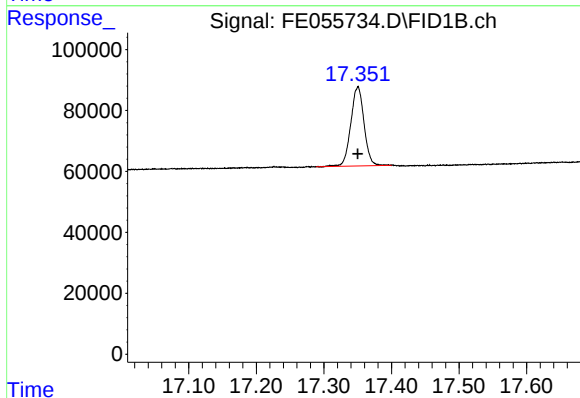
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 318332
Conc: 2.23 ug/ml

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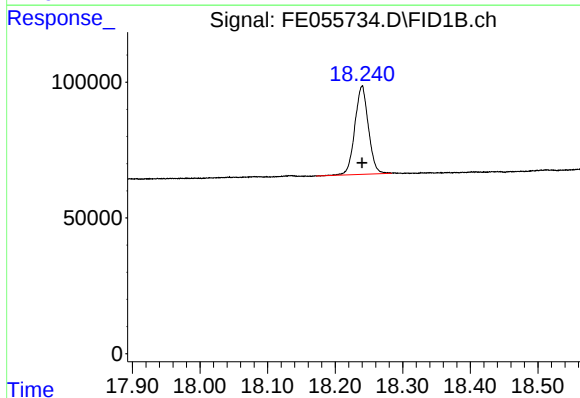
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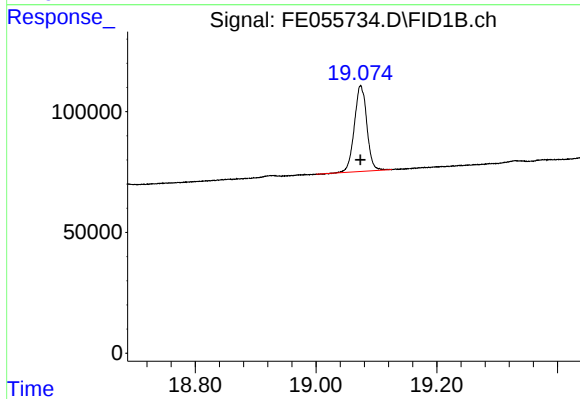
#16 n-Octacosane (C28)

R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 353652
Conc: 2.49 ug/ml



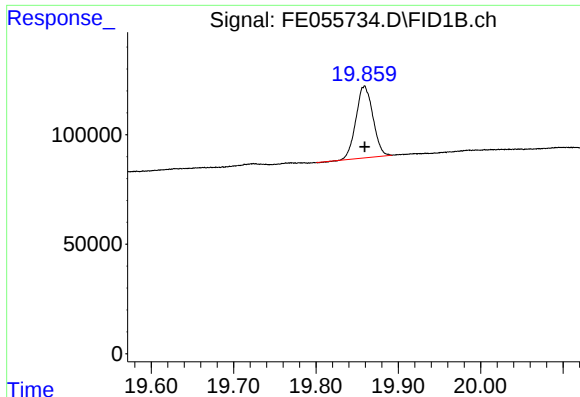
#17 n-Tricontane (C30)

R.T.: 18.240 min
Delta R.T.: 0.000 min
Response: 452111
Conc: 3.06 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.000 min
Response: 509872
Conc: 3.47 ug/ml



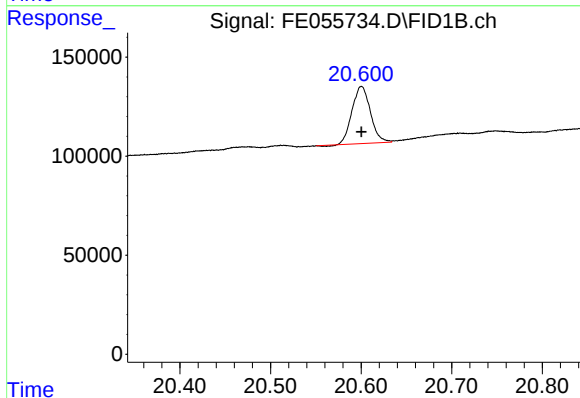
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 469808
Conc: 3.33 ug/ml

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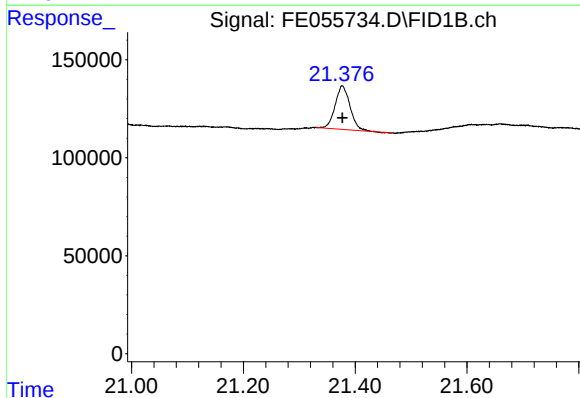
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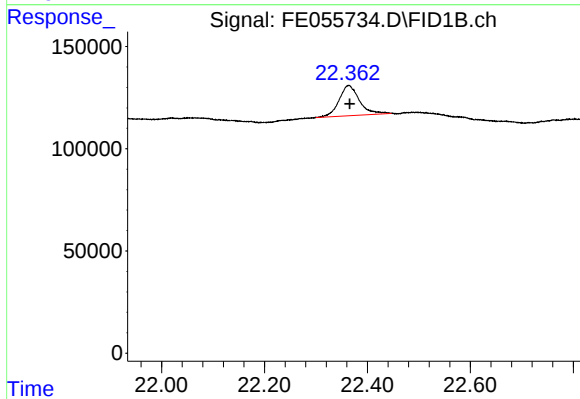
#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 405511
Conc: 3.07 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 412347
Conc: 3.17 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.363 min
Delta R.T.: -0.002 min
Response: 404484
Conc: 3.15 ug/ml