

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081125AL\
 Data File : FE055236.D
 Signal(s) : FID1B.ch
 Acq On : 11 Aug 2025 18:57
 Operator : YP\AJ
 Sample : Q2809-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 OR-03-08082025MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/12/2025
 Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
 Quant Time: Aug 12 01:24:57 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)	12.090	3544600	24.821 ug/ml
Spiked Amount 50.000		Recovery =	49.64%
12) S 1-chlorooctadecane (S...	13.526	3173825	29.517 ug/mlm
Spiked Amount 50.000		Recovery =	59.03%
Target Compounds			
1) T n-Nonane (C9)	3.423	2380464	20.741 ug/ml
2) T n-Decane (C10)	4.682	2634845	22.618 ug/ml
3) T A~Naphthalene (C11.7)	6.403	3540062	26.373 ug/ml
4) T n-Dodecane (C12)	6.858	3100620	26.038 ug/ml
5) T A~2-methylnaphthalene...	7.505	3446774	26.436 ug/ml
6) T n-Tetradecane (C14)	8.697	3465689	28.266 ug/ml
7) T n-Hexadecane (C16)	10.312	3749958	29.332 ug/ml
8) T n-Octadecane (C18)	11.763	3676346	28.177 ug/ml
10) T n-Eicosane (C20)	13.078	3997812	31.862 ug/mlm
11) T n-Heneicosane (C21)	13.692	3591665	29.137 ug/mlm
13) T n-Docosane (C22)	14.281	3711535	30.393 ug/ml
14) T n-Tetracosane (C24)	15.391	7796361	64.097 ug/ml
15) T n-Hexacosane (C26)	16.415	3512511	29.358 ug/mlm
16) T n-Octacosane (C28)	17.368	3710010	31.275 ug/mlm
17) T n-Tricontane (C30)	18.261	3938392	32.007 ug/mlm
18) T n-Dotriacontane (C32)	19.096	4284168	35.113 ug/ml
19) T n-Tetratriacontane (C34)	19.883	4211410	36.020 ug/mlm
20) T n-Hexatriacontane (C36)	20.626	3967116	36.296 ug/ml
21) T n-Octatriacontane (C38)	21.408	3861938	35.735 ug/mlm
22) T n-Tetracontane (C40)	22.411	4278744	40.916 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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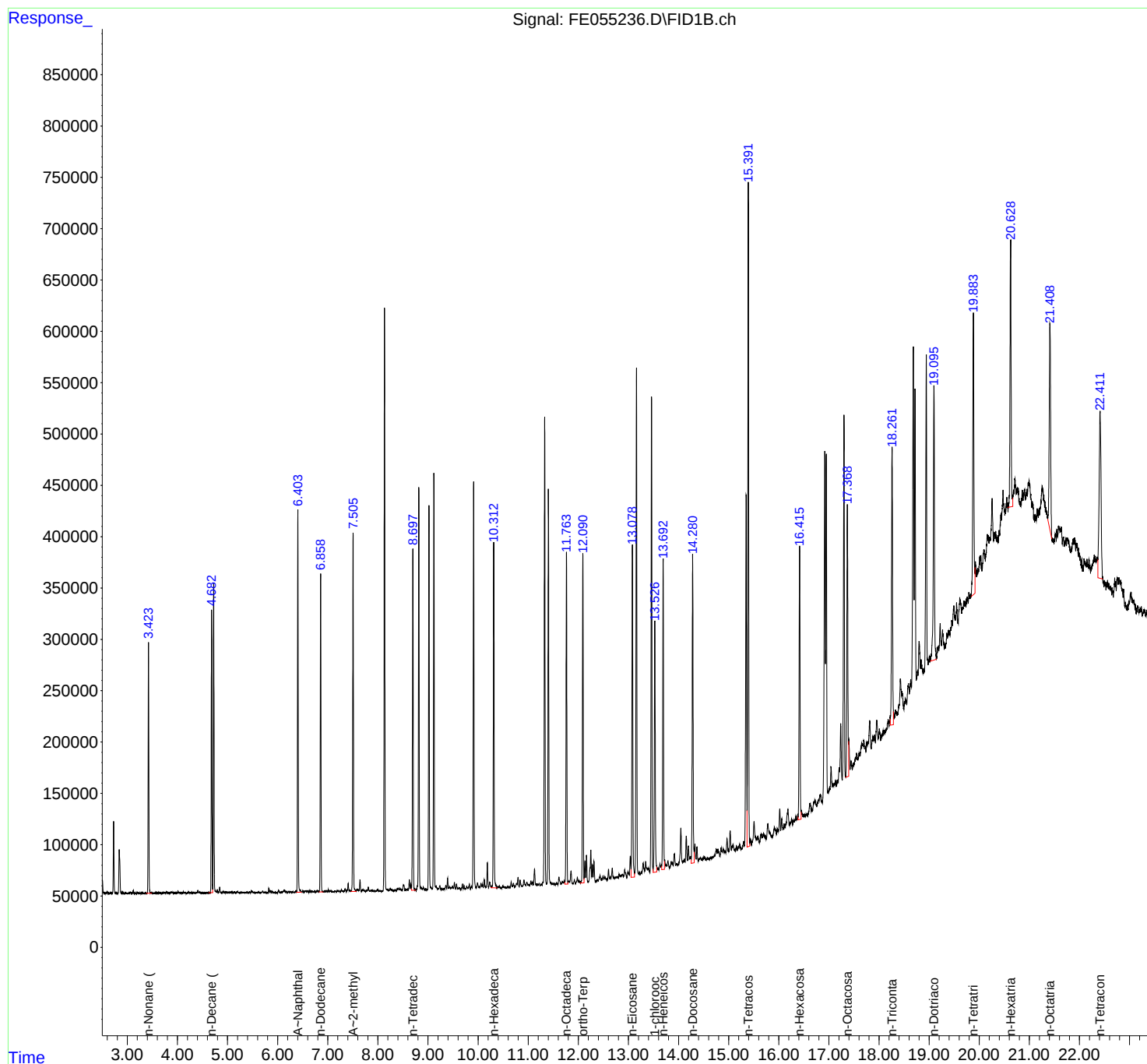
Instrument :
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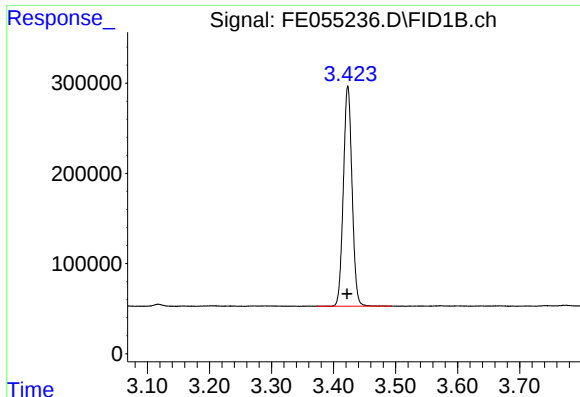
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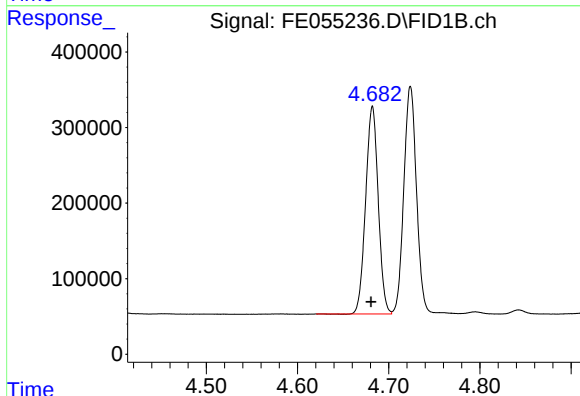
#1 n-Nonane (C9)

R.T.: 3.423 min
Delta R.T.: 0.001 min
Response: 2380464
Conc: 20.74 ug/ml

Instrument :
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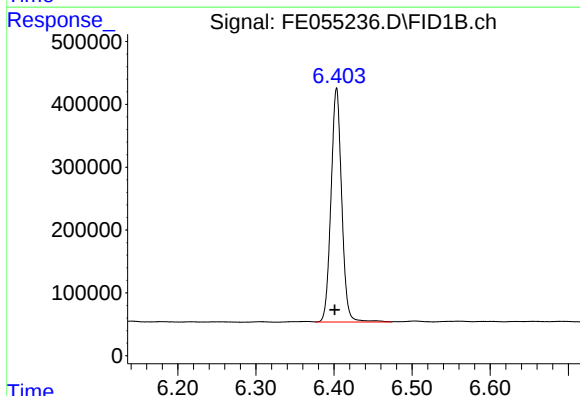
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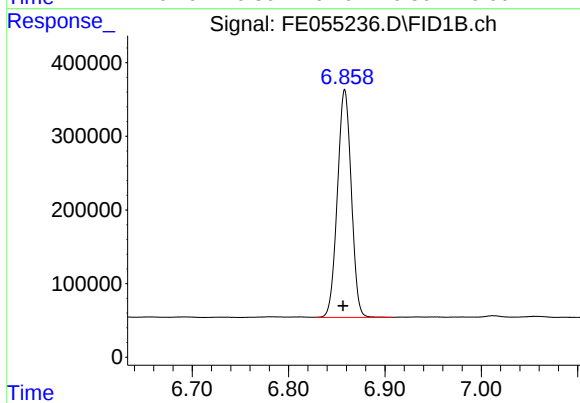
#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.001 min
Response: 2634845
Conc: 22.62 ug/ml



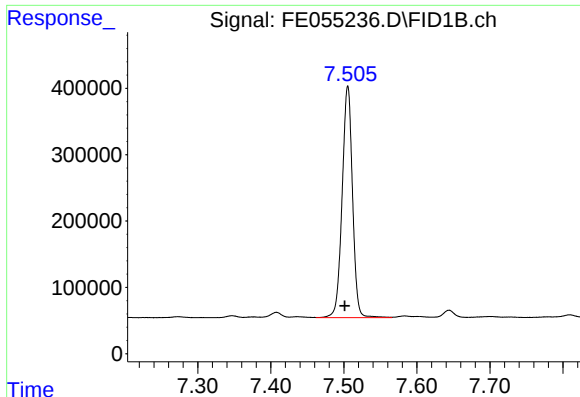
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.002 min
Response: 3540062
Conc: 26.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.858 min
Delta R.T.: 0.002 min
Response: 3100620
Conc: 26.04 ug/ml



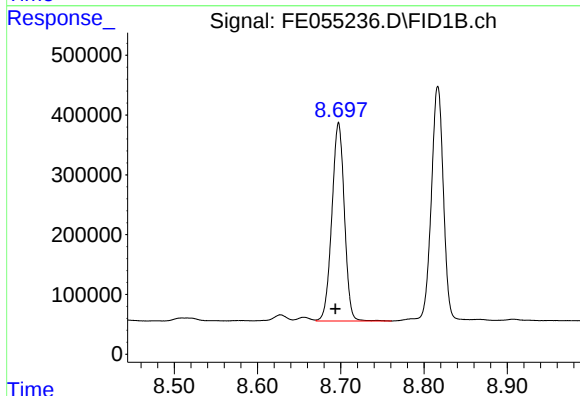
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.004 min
Response: 3446774
Conc: 26.44 ug/ml

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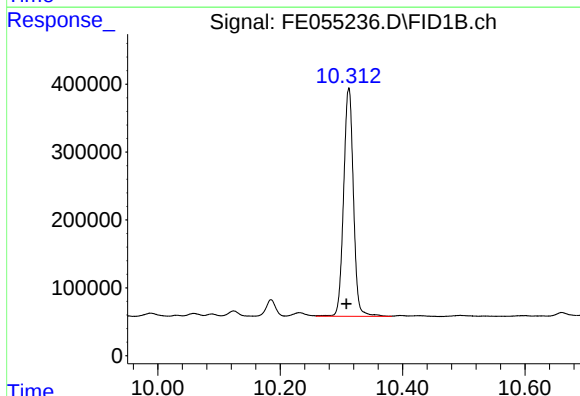
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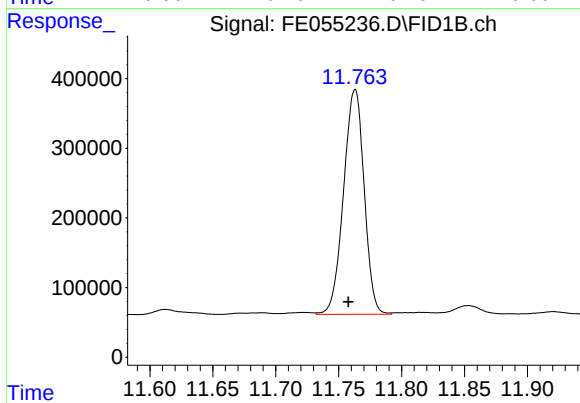
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 3465689
Conc: 28.27 ug/ml



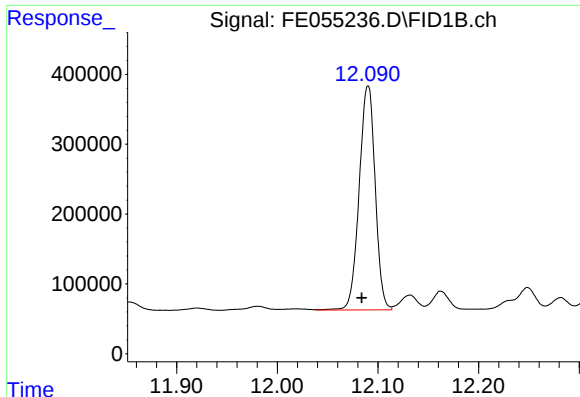
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.004 min
Response: 3749958
Conc: 29.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.763 min
Delta R.T.: 0.005 min
Response: 3676346
Conc: 28.18 ug/ml



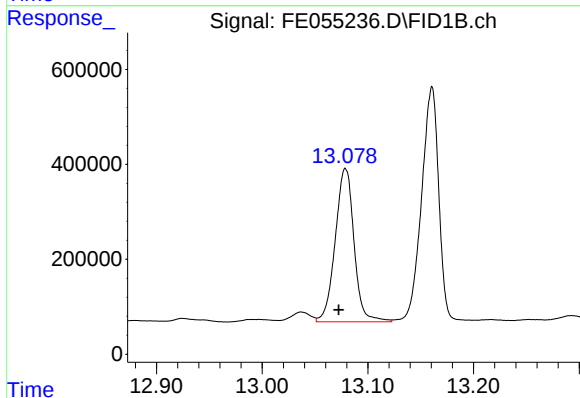
#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: 0.006 min
Response: 3544600
Conc: 24.82 ug/ml

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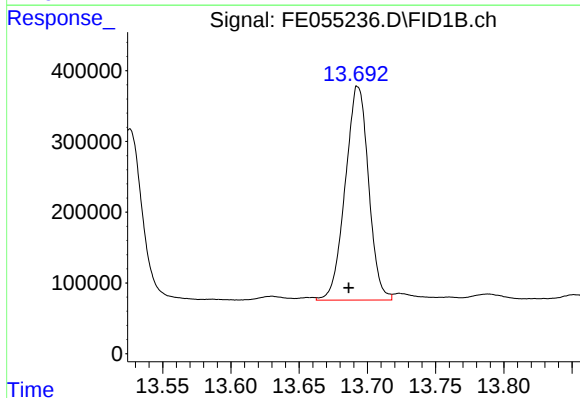
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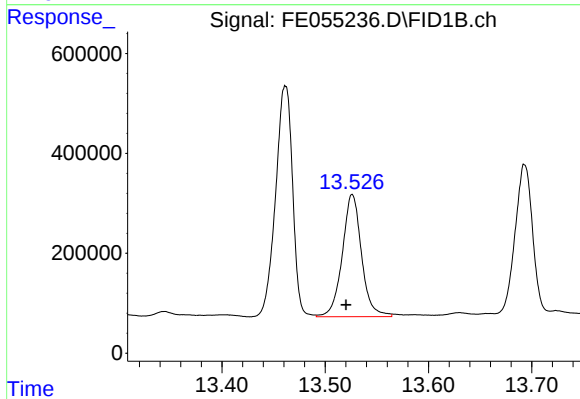
#10 n-Eicosane (C20)

R.T.: 13.078 min
Delta R.T.: 0.006 min
Response: 3997812
Conc: 31.86 ug/ml m



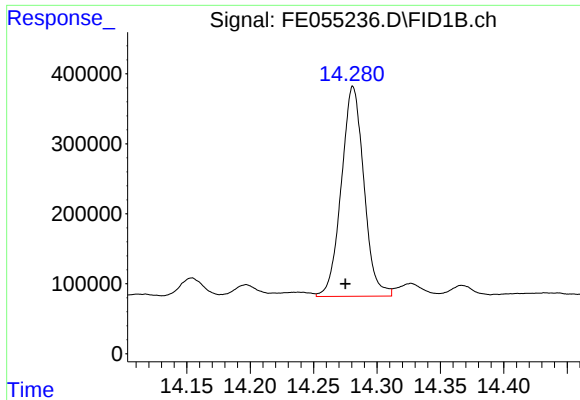
#11 n-Heneicosane (C21)

R.T.: 13.692 min
Delta R.T.: 0.005 min
Response: 3591665
Conc: 29.14 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.006 min
Response: 3173825
Conc: 29.52 ug/ml m



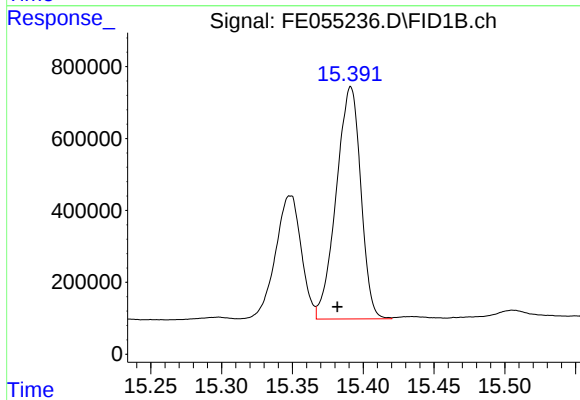
#13 n-Docosane (C22)

R.T.: 14.281 min
Delta R.T.: 0.006 min
Response: 3711535
Conc: 30.39 ug/ml

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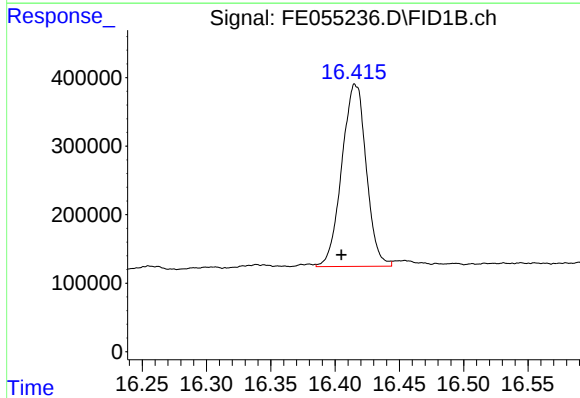
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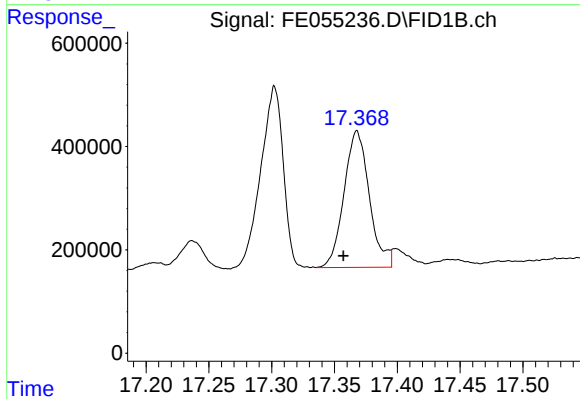
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.009 min
Response: 7796361
Conc: 64.10 ug/ml



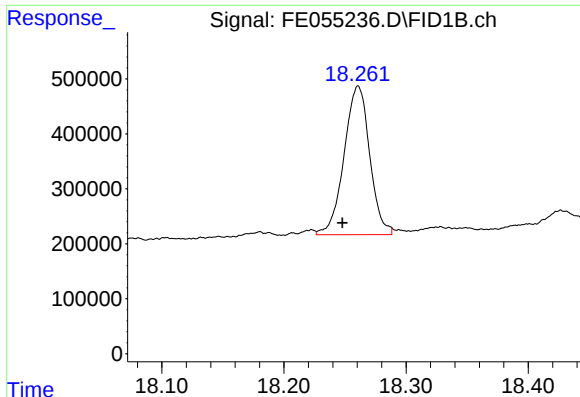
#15 n-Hexacosane (C26)

R.T.: 16.415 min
Delta R.T.: 0.010 min
Response: 3512511
Conc: 29.36 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.368 min
Delta R.T.: 0.011 min
Response: 3710010
Conc: 31.28 ug/ml m



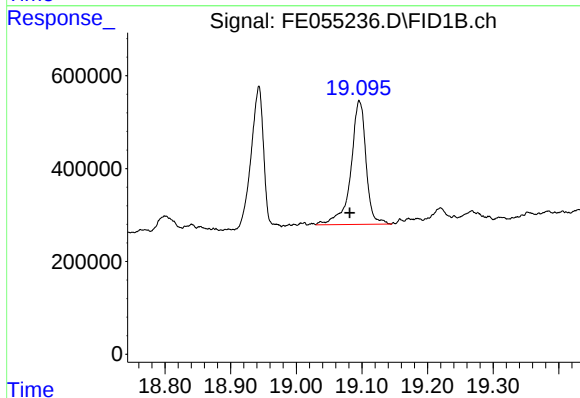
#17 n-Tricontane (C30)

R.T.: 18.261 min
Delta R.T.: 0.013 min
Response: 3938392
Conc: 32.01 ug/ml

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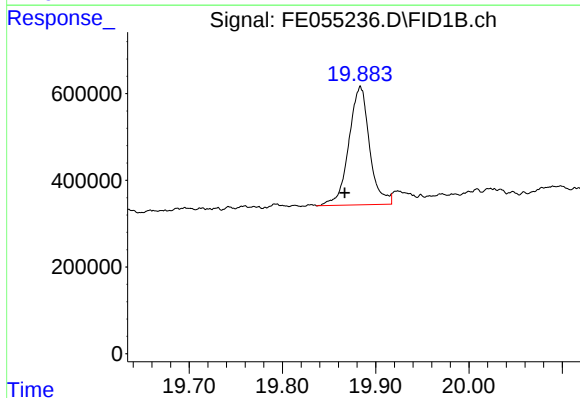
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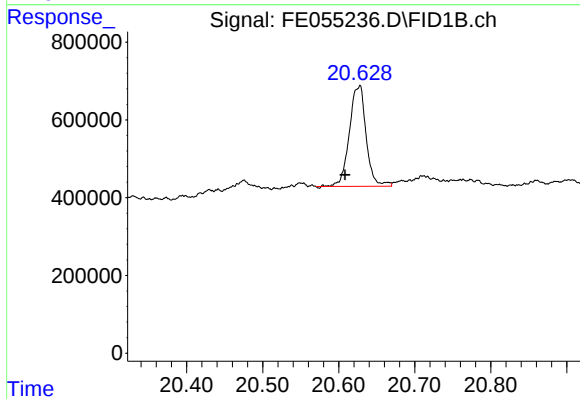
#18 n-Dotriacontane (C32)

R.T.: 19.096 min
Delta R.T.: 0.015 min
Response: 4284168
Conc: 35.11 ug/ml



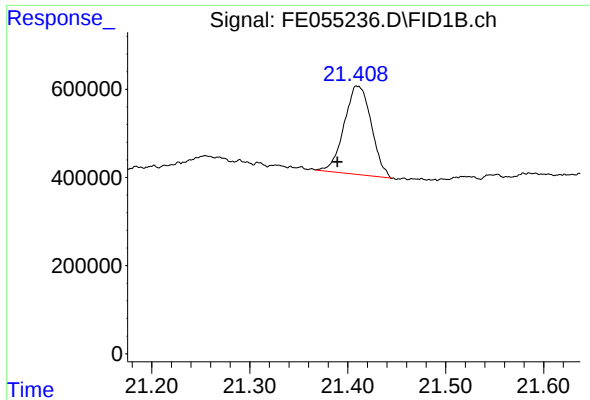
#19 n-Tetratriacontane (C34)

R.T.: 19.883 min
Delta R.T.: 0.016 min
Response: 4211410
Conc: 36.02 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.626 min
Delta R.T.: 0.018 min
Response: 3967116
Conc: 36.30 ug/ml



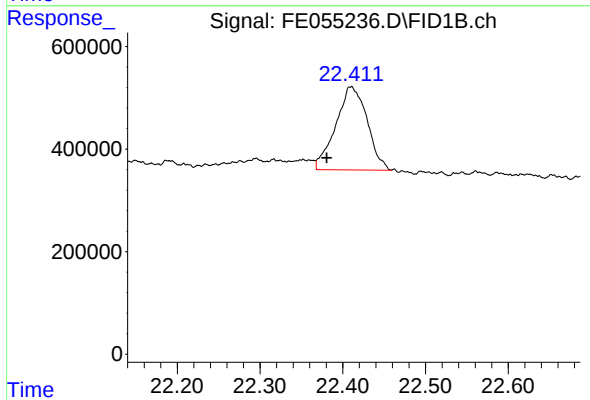
#21 n-Octatriacontane (C38)

R.T.: 21.408 min
Delta R.T.: 0.019 min
Response: 3861938
Conc: 35.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.411 min
Delta R.T.: 0.030 min
Response: 4278744
Conc: 40.92 ug/ml m