

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042924AL\
 Data File : FE047874.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2024 23:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: Apr 30 01:53:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.974	2902718	20.121 ug/ml
Spiked Amount 50.000		Recovery =	40.24%
12) S 1-chlorooctadecane (S...	13.408	2244856	20.090 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T n-Nonane (C9)	3.355	2632959	20.430 ug/ml
2) T n-Decane (C10)	4.608	2677820	20.340 ug/ml
3) T A~Naphthalene (C11.7)	6.316	2829002	20.488 ug/ml
4) T n-Dodecane (C12)	6.775	2693535	20.205 ug/ml
5) T A~2-methylnaphthalene...	7.412	2706879	20.341 ug/ml
6) T n-Tetradecane (C14)	8.603	2660687	20.077 ug/ml
7) T n-Hexadecane (C16)	10.211	2765314	20.107 ug/ml
8) T n-Octadecane (C18)	11.654	2802347	20.118 ug/ml
10) T n-Eicosane (C20)	12.963	2698637	20.043 ug/ml
11) T n-Heneicosane (C21)	13.574	2654024	20.049 ug/ml
13) T n-Docosane (C22)	14.161	2643510	19.948 ug/ml
14) T n-Tetracosane (C24)	15.263	2631510	19.763 ug/ml
15) T n-Hexacosane (C26)	16.284	2605931	19.528 ug/ml
16) T n-Octacosane (C28)	17.232	2582187	19.394 ug/ml
17) T n-Tricontane (C30)	18.120	2641544	19.140 ug/ml
18) T n-Dotriacontane (C32)	18.950	2654037	19.215 ug/ml
19) T n-Tetratriacontane (C34)	19.734	2650337	19.456 ug/ml
20) T n-Hexatriacontane (C36)	20.473	2654478	19.605 ug/mlm
21) T n-Octatriacontane (C38)	21.215	2690961	19.490 ug/ml
22) T n-Tetracontane (C40)	22.142	2684539	19.269 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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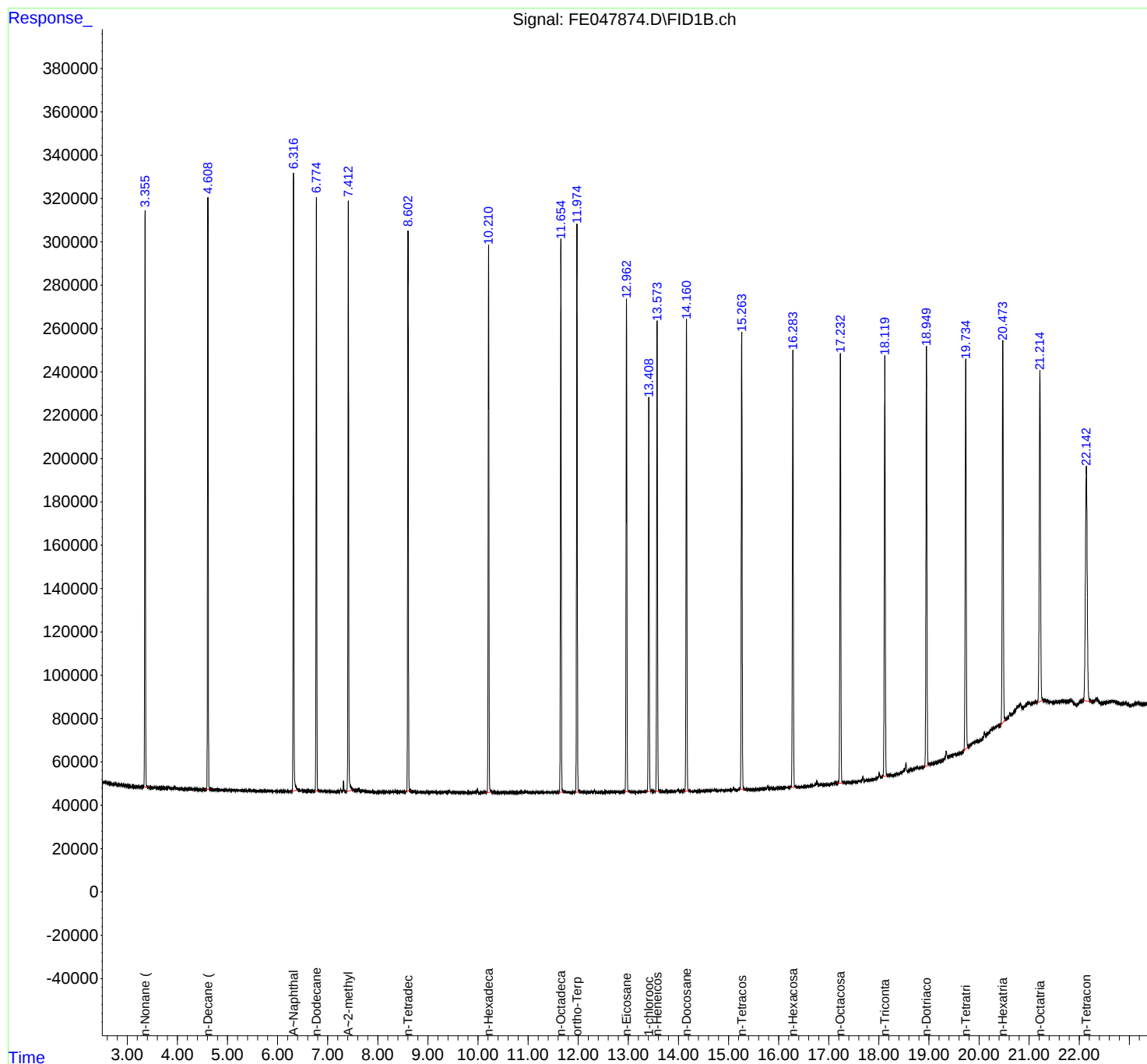
Instrument :
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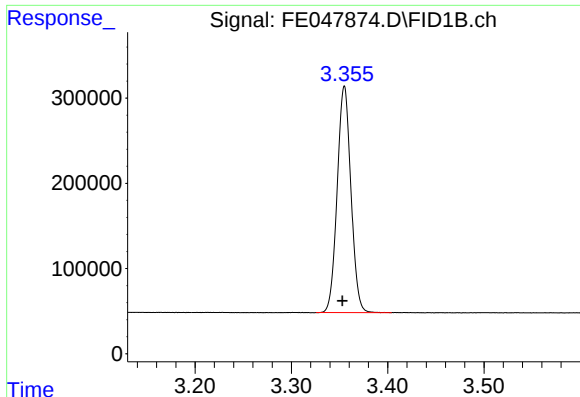
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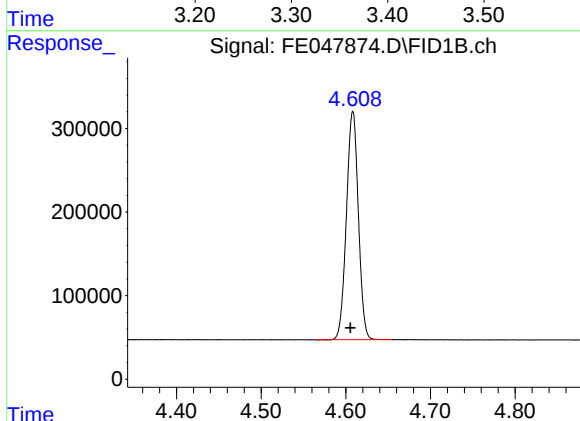
#1 n-Nonane (C9)

R.T.: 3.355 min
Delta R.T.: 0.002 min
Response: 2632959
Conc: 20.43 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

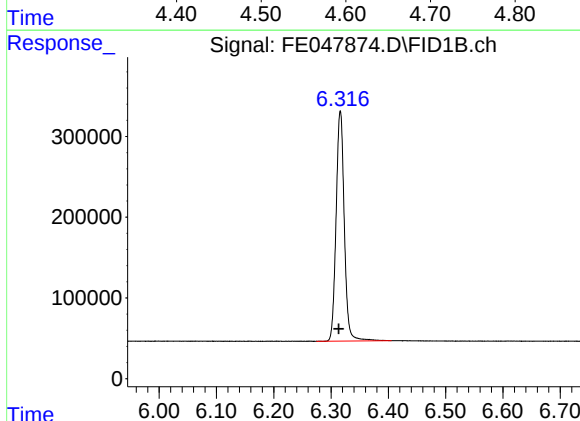
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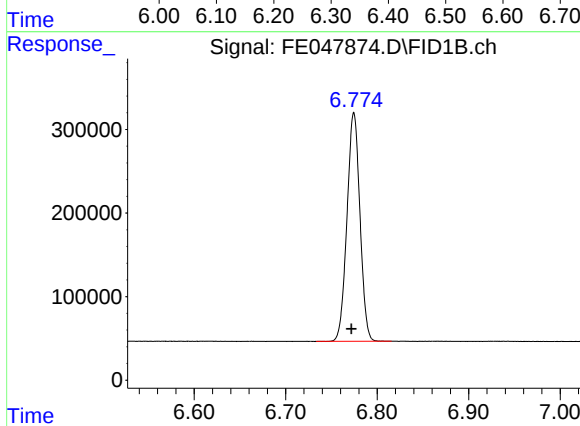
#2 n-Decane (C10)

R.T.: 4.608 min
Delta R.T.: 0.003 min
Response: 2677820
Conc: 20.34 ug/ml



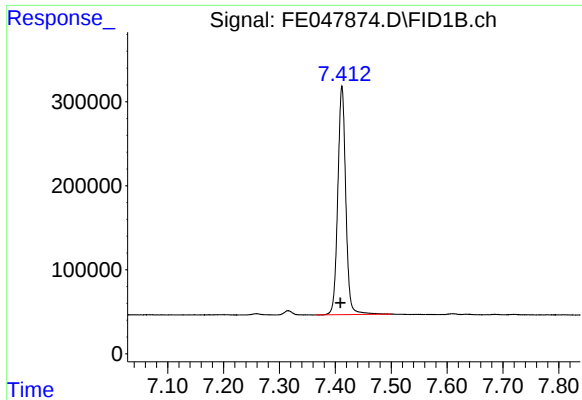
#3 A~Naphthalene (C11.7)

R.T.: 6.316 min
Delta R.T.: 0.003 min
Response: 2829002
Conc: 20.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.775 min
Delta R.T.: 0.003 min
Response: 2693535
Conc: 20.20 ug/ml



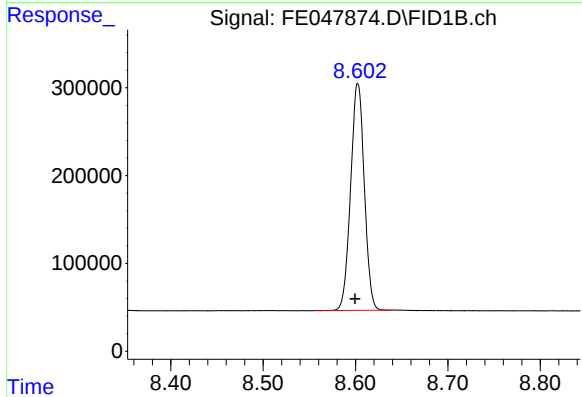
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.412 min
Delta R.T.: 0.003 min
Response: 2706879
Conc: 20.34 ug/ml

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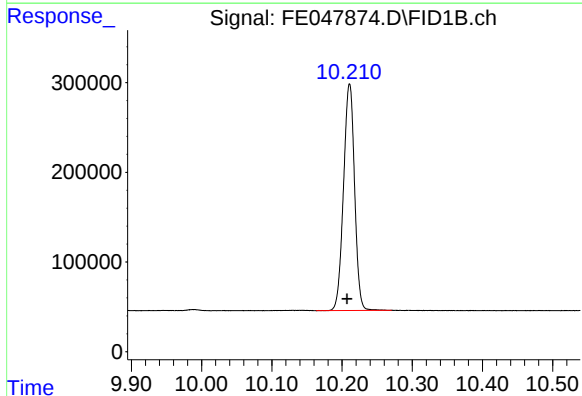
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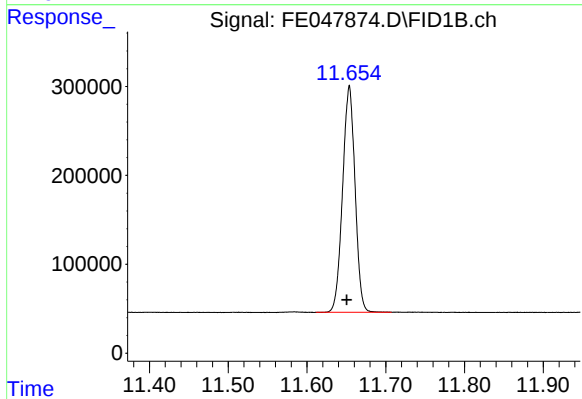
#6 n-Tetradecane (C14)

R.T.: 8.603 min
Delta R.T.: 0.003 min
Response: 2660687
Conc: 20.08 ug/ml



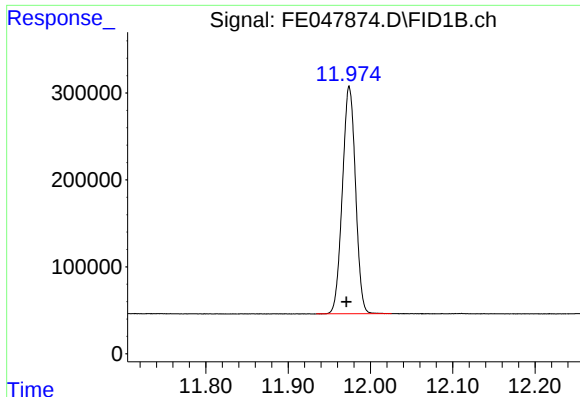
#7 n-Hexadecane (C16)

R.T.: 10.211 min
Delta R.T.: 0.004 min
Response: 2765314
Conc: 20.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.654 min
Delta R.T.: 0.003 min
Response: 2802347
Conc: 20.12 ug/ml



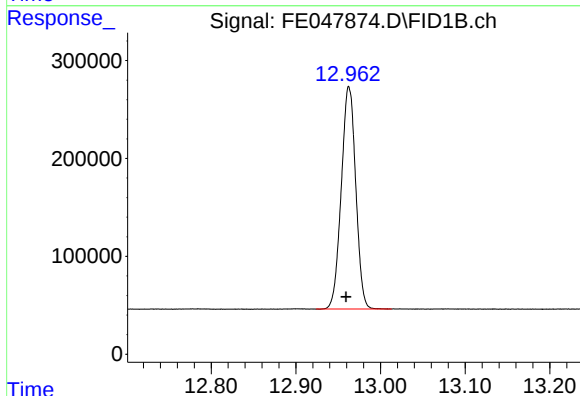
#9 ortho-Terphenyl (SURR)

R.T.: 11.974 min
Delta R.T.: 0.003 min
Response: 2902718
Conc: 20.12 ug/ml

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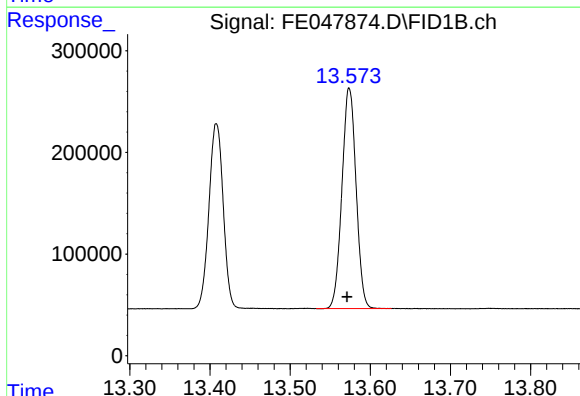
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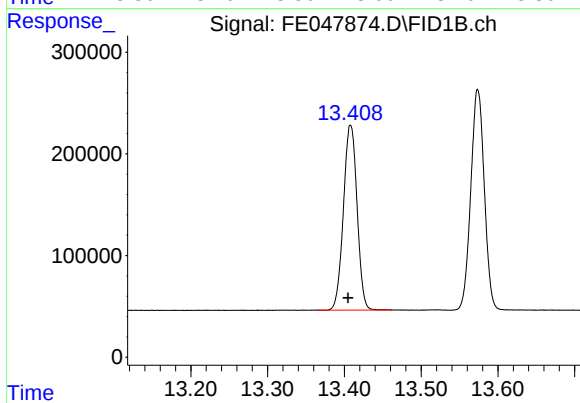
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: 0.003 min
Response: 2698637
Conc: 20.04 ug/ml



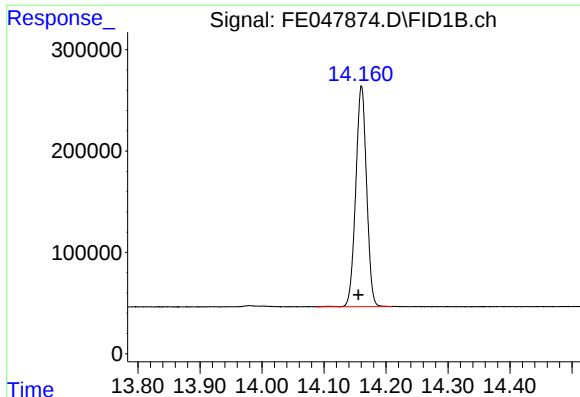
#11 n-Heneicosane (C21)

R.T.: 13.574 min
Delta R.T.: 0.003 min
Response: 2654024
Conc: 20.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.003 min
Response: 2244856
Conc: 20.09 ug/ml



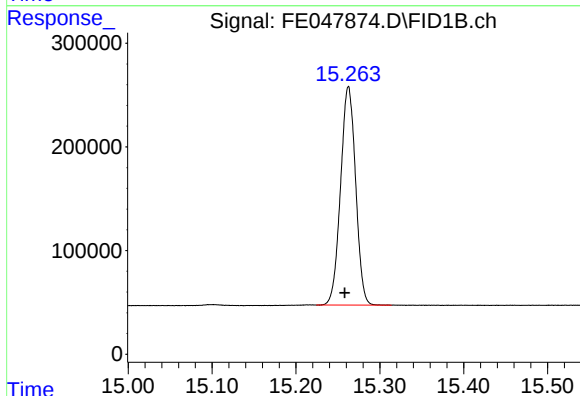
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: 0.005 min
Response: 2643510
Conc: 19.95 ug/ml

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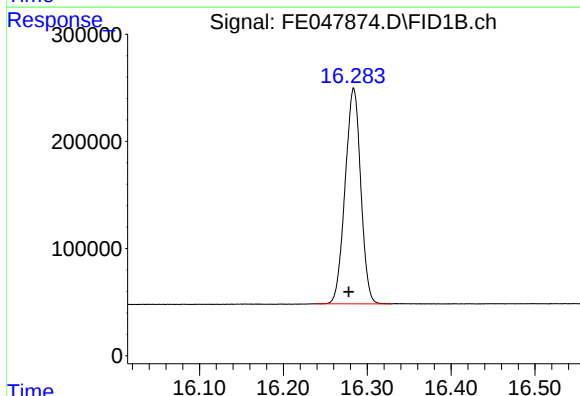
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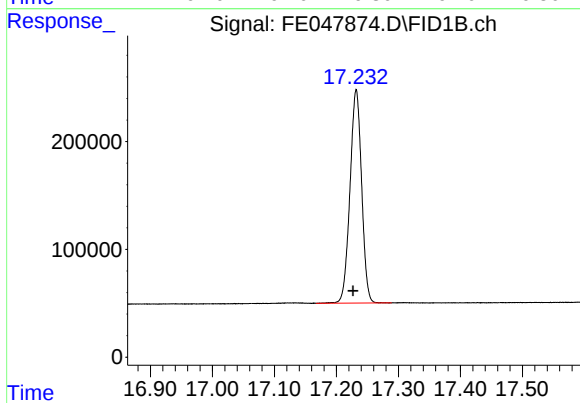
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: 0.005 min
Response: 2631510
Conc: 19.76 ug/ml



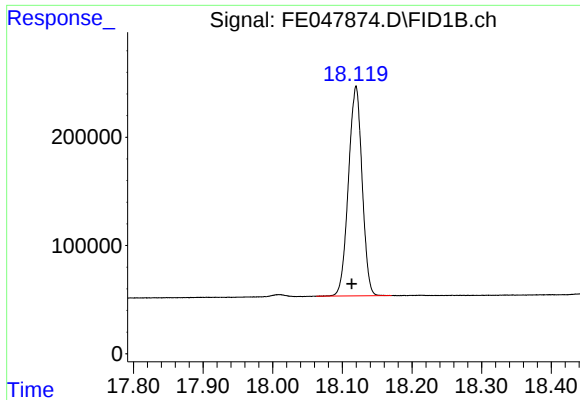
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: 0.006 min
Response: 2605931
Conc: 19.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.232 min
Delta R.T.: 0.005 min
Response: 2582187
Conc: 19.39 ug/ml



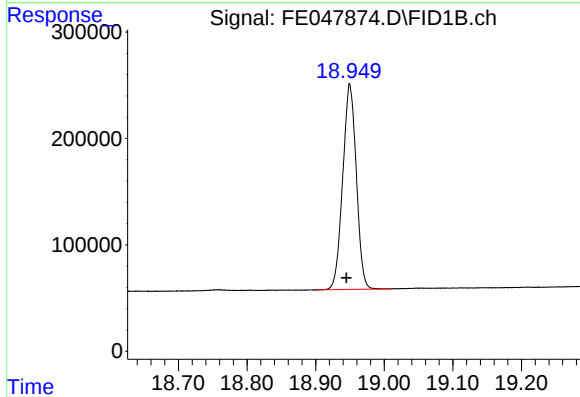
#17 n-Tricontane (C30)

R.T.: 18.120 min
Delta R.T.: 0.006 min
Response: 2641544
Conc: 19.14 ug/ml

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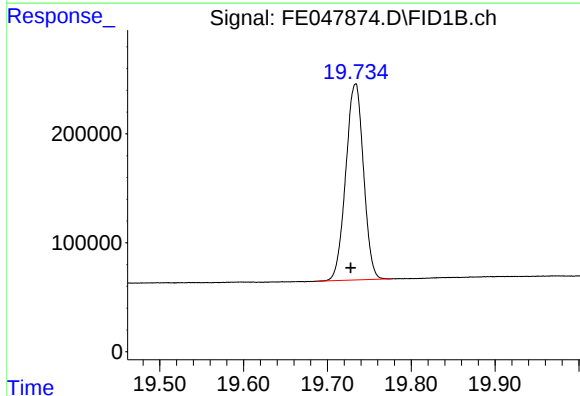
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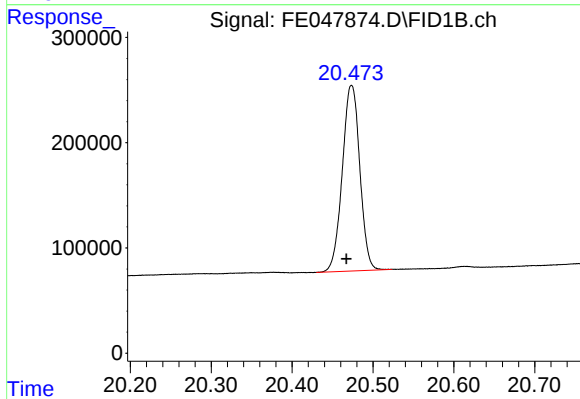
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.005 min
Response: 2654037
Conc: 19.21 ug/ml



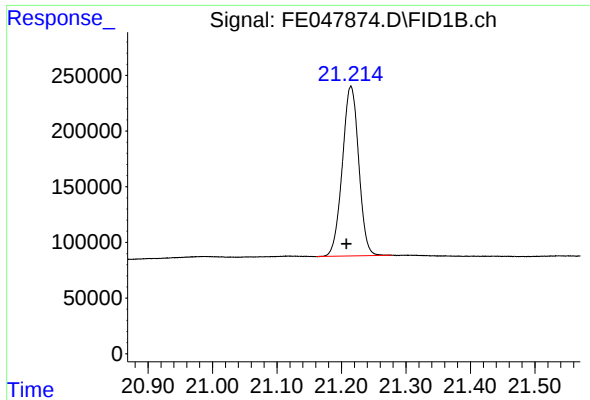
#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: 0.006 min
Response: 2650337
Conc: 19.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.473 min
Delta R.T.: 0.006 min
Response: 2654478
Conc: 19.60 ug/ml m



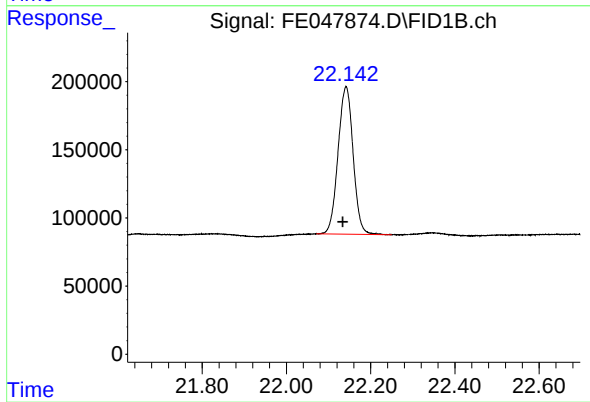
#21 n-Octatriacontane (C38)

R.T.: 21.215 min
Delta R.T.: 0.007 min
Response: 2690961
Conc: 19.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.142 min
Delta R.T.: 0.008 min
Response: 2684539
Conc: 19.27 ug/ml