

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100825AL\
 Data File : FG016779.D
 Signal(s) : FID1A.ch
 Acq On : 08 Oct 2025 12:45
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Oct 09 02:30:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 03:11:55 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)	12.054	2920171	18.700 ug/ml
Spiked Amount 50.000		Recovery =	37.40%
12) S 1-chlorooctadecane (S...	13.500	2251993	18.414 ug/ml
Spiked Amount 50.000		Recovery =	36.83%
Target Compounds			
1) T n-Nonane (C9)	3.376	2378475	19.172 ug/ml
2) T n-Decane (C10)	4.636	2461563	19.455 ug/ml
3) T A~Naphthalene (C11.7)	6.355	2586312	19.502 ug/ml
4) T n-Dodecane (C12)	6.817	2501101	19.554 ug/ml
5) T A~2-methylnaphthalene...	7.459	2433747	19.756 ug/ml
6) T n-Tetradecane (C14)	8.658	2473031	19.584 ug/ml
7) T n-Hexadecane (C16)	10.277	2583988	19.389 ug/ml
8) T n-Octadecane (C18)	11.731	2683363	19.077 ug/ml
10) T n-Eicosane (C20)	13.050	2625109	18.669 ug/ml
11) T n-Heneicosane (C21)	13.668	2574990	18.463 ug/ml
13) T n-Docosane (C22)	14.258	2587153	18.209 ug/ml
14) T n-Tetracosane (C24)	15.369	2629342	17.759 ug/ml
15) T n-Hexacosane (C26)	16.399	2552316	17.160 ug/ml
16) T n-Octacosane (C28)	17.353	2529182	17.144 ug/ml
17) T n-Tricontane (C30)	18.248	2666320	17.923 ug/ml
18) T n-Dotriacontane (C32)	19.086	2677998	18.891 ug/ml
19) T n-Tetratriacontane (C34)	19.875	2409878	19.411 ug/ml
20) T n-Hexatriacontane (C36)	20.618	1975096	19.161 ug/mlm
21) T n-Octatriacontane (C38)	21.398	1700533	18.684 ug/ml
22) T n-Tetracontane (C40)	22.392	1652949	19.692 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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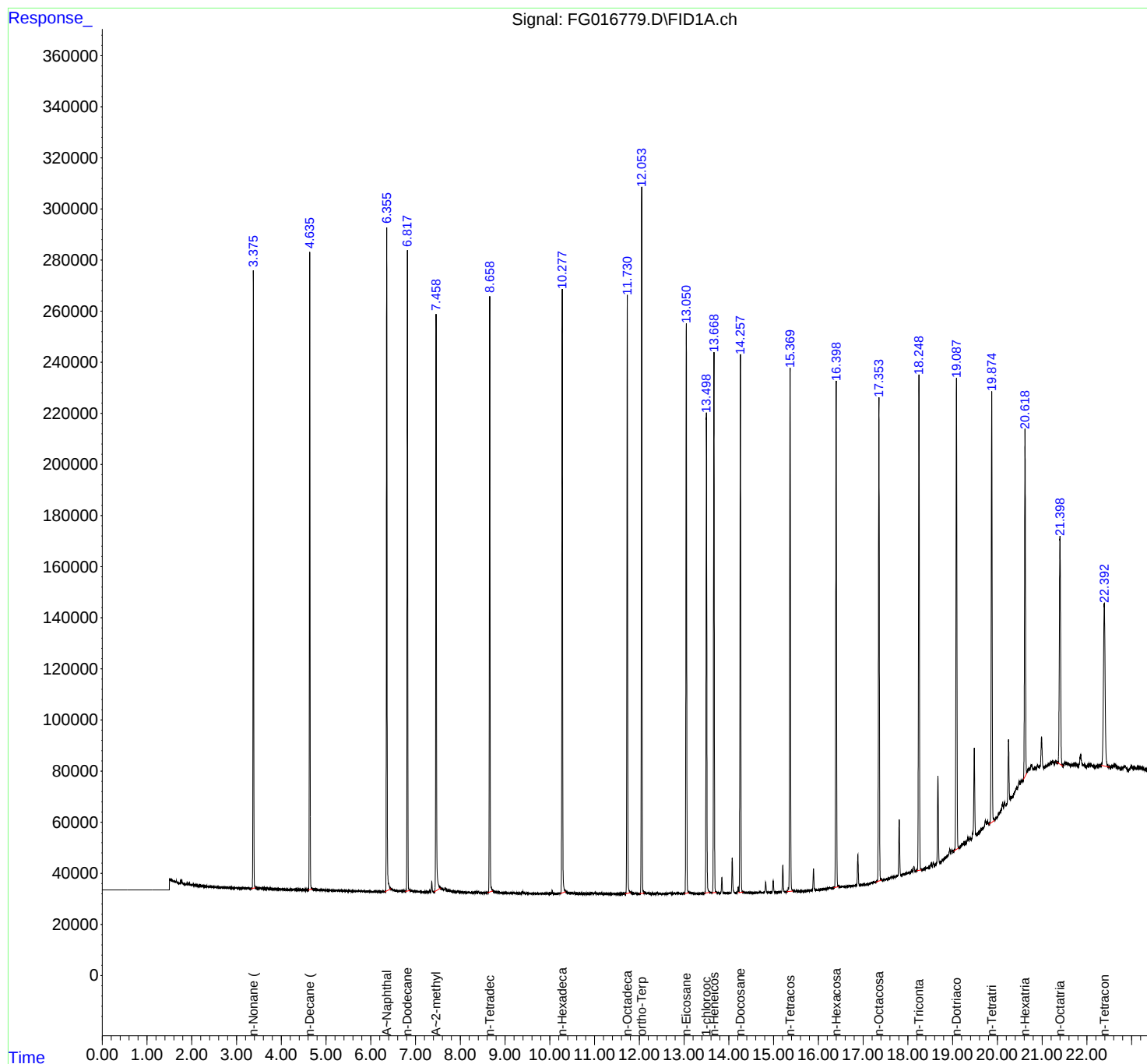
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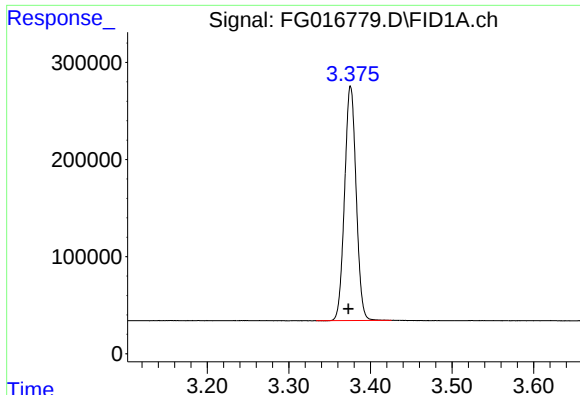
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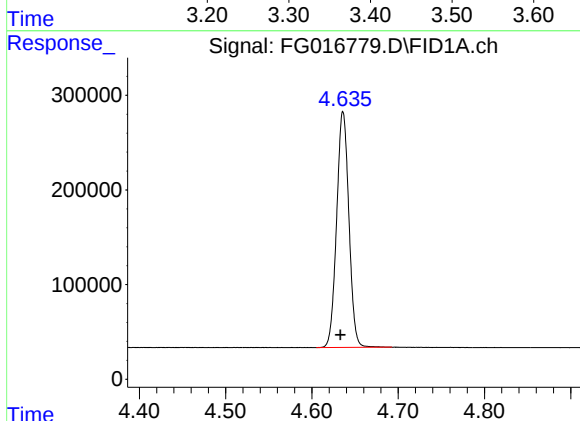
#1 n-Nonane (C9)

R.T.: 3.376 min
Delta R.T.: 0.003 min
Response: 2378475
Conc: 19.17 ug/ml

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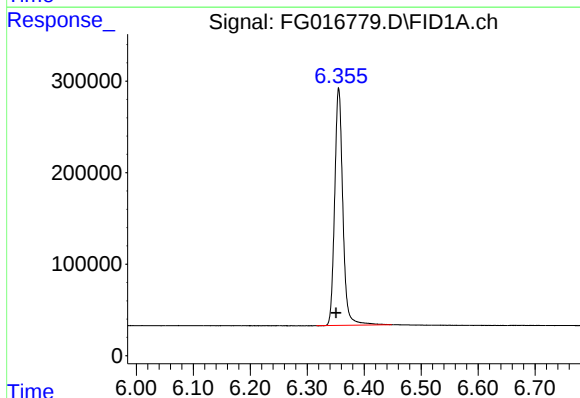
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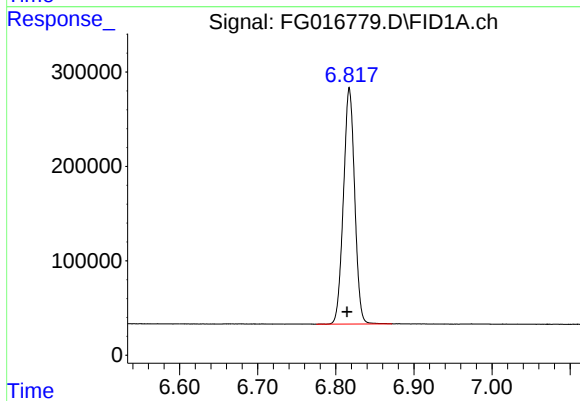
#2 n-Decane (C10)

R.T.: 4.636 min
Delta R.T.: 0.003 min
Response: 2461563
Conc: 19.45 ug/ml



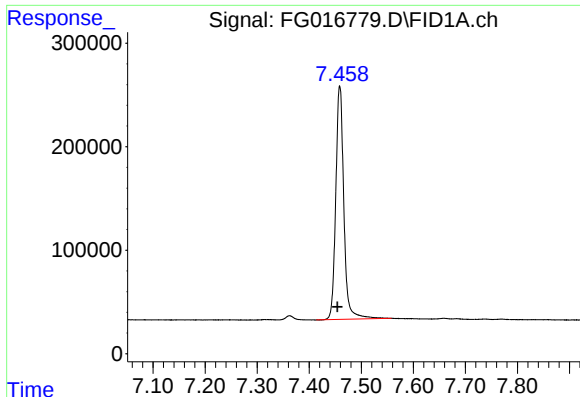
#3 A~Naphthalene (C11.7)

R.T.: 6.355 min
Delta R.T.: 0.005 min
Response: 2586312
Conc: 19.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.817 min
Delta R.T.: 0.003 min
Response: 2501101
Conc: 19.55 ug/ml



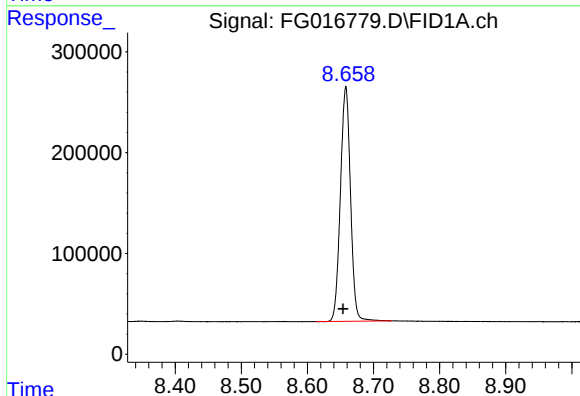
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.459 min
Delta R.T.: 0.005 min
Response: 2433747
Conc: 19.76 ug/ml

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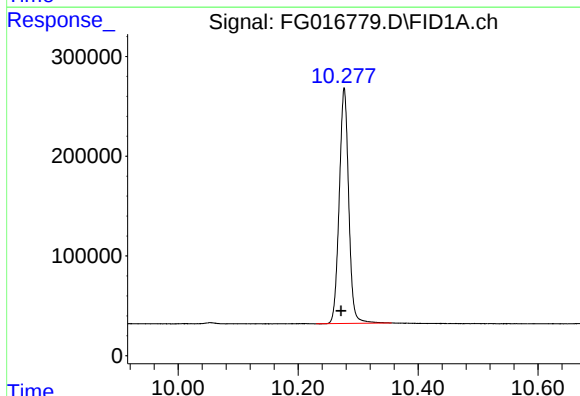
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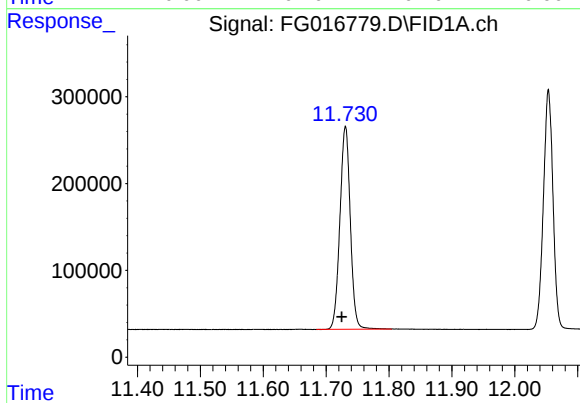
#6 n-Tetradecane (C14)

R.T.: 8.658 min
Delta R.T.: 0.004 min
Response: 2473031
Conc: 19.58 ug/ml



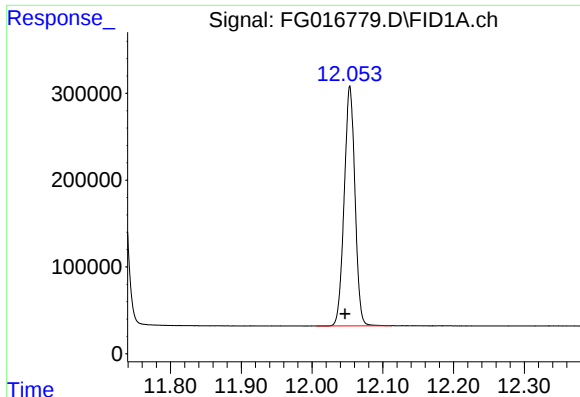
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.005 min
Response: 2583988
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.731 min
Delta R.T.: 0.006 min
Response: 2683363
Conc: 19.08 ug/ml



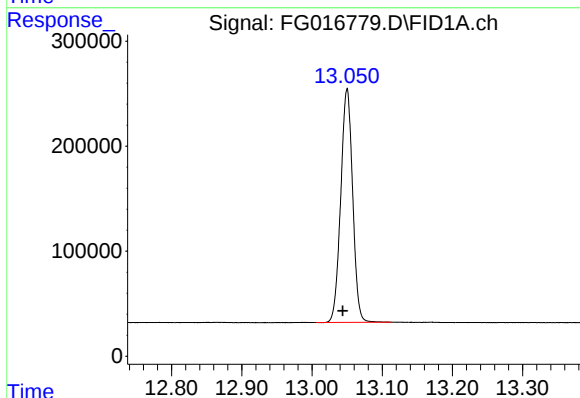
#9 ortho-Terphenyl (SURR)

R.T.: 12.054 min
Delta R.T.: 0.007 min
Response: 2920171
Conc: 18.70 ug/ml

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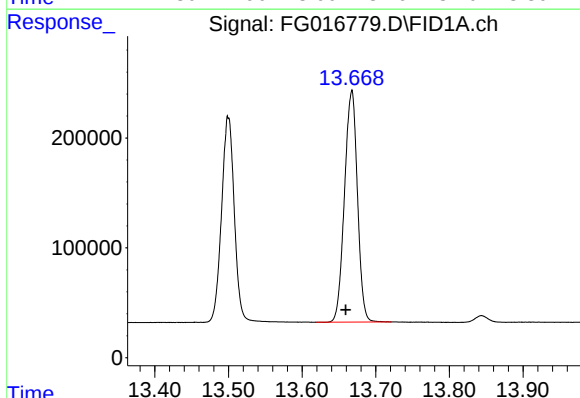
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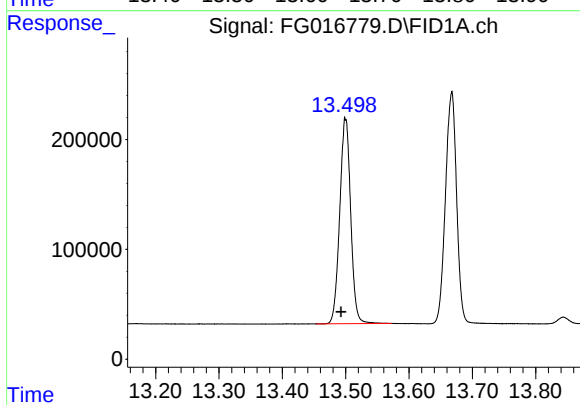
#10 n-Eicosane (C20)

R.T.: 13.050 min
Delta R.T.: 0.006 min
Response: 2625109
Conc: 18.67 ug/ml



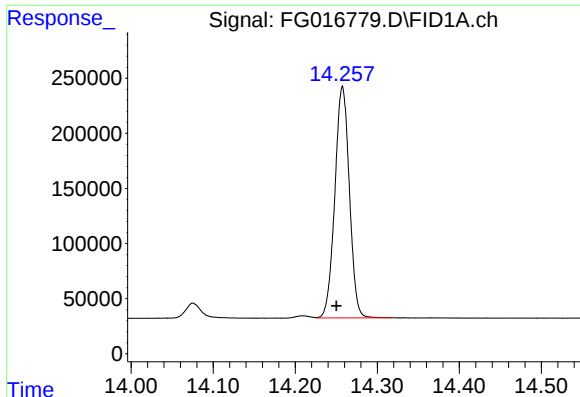
#11 n-Heneicosane (C21)

R.T.: 13.668 min
Delta R.T.: 0.008 min
Response: 2574990
Conc: 18.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.500 min
Delta R.T.: 0.007 min
Response: 2251993
Conc: 18.41 ug/ml



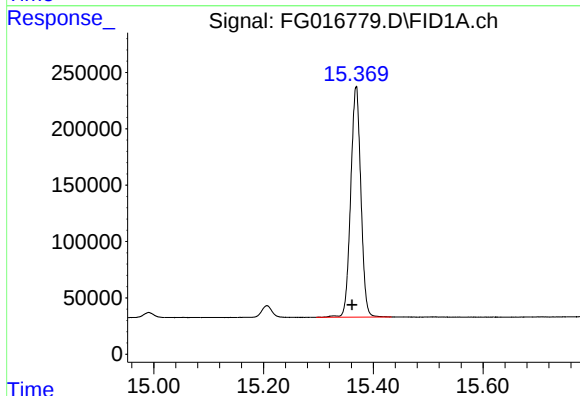
#13 n-Docosane (C22)

R.T.: 14.258 min
Delta R.T.: 0.008 min
Response: 2587153
Conc: 18.21 ug/ml

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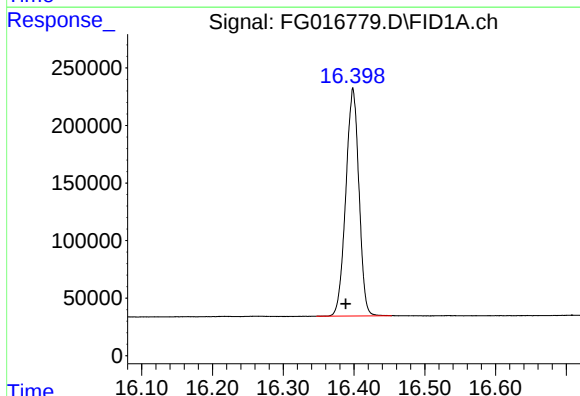
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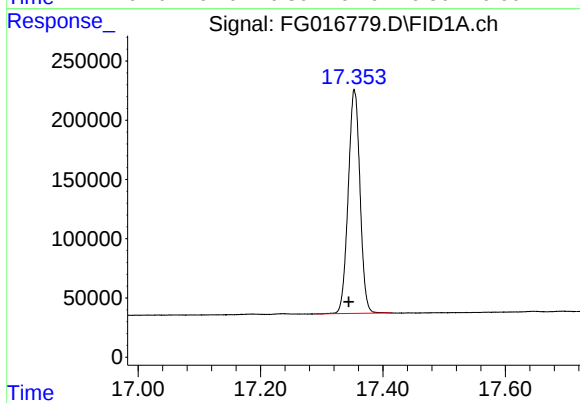
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.007 min
Response: 2629342
Conc: 17.76 ug/ml



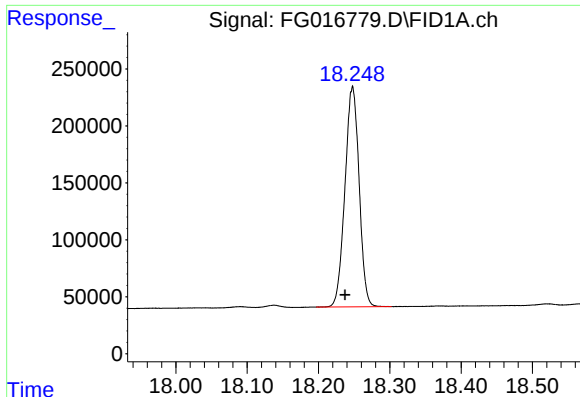
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.010 min
Response: 2552316
Conc: 17.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.353 min
Delta R.T.: 0.009 min
Response: 2529182
Conc: 17.14 ug/ml



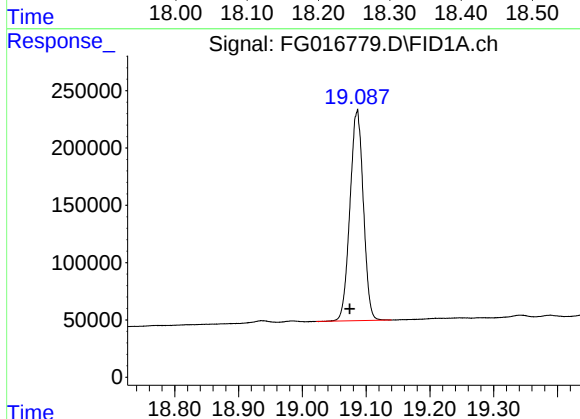
#17 n-Tricontane (C30)

R.T.: 18.248 min
Delta R.T.: 0.011 min
Response: 2666320
Conc: 17.92 ug/ml

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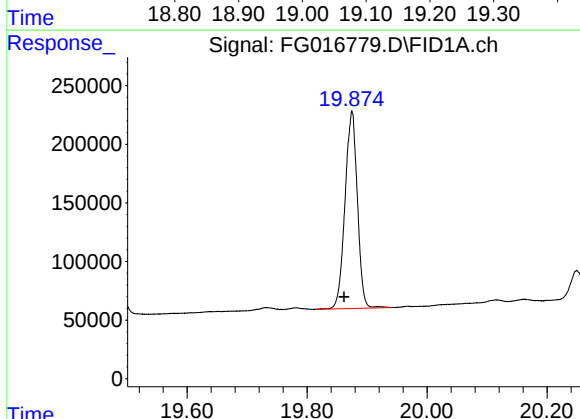
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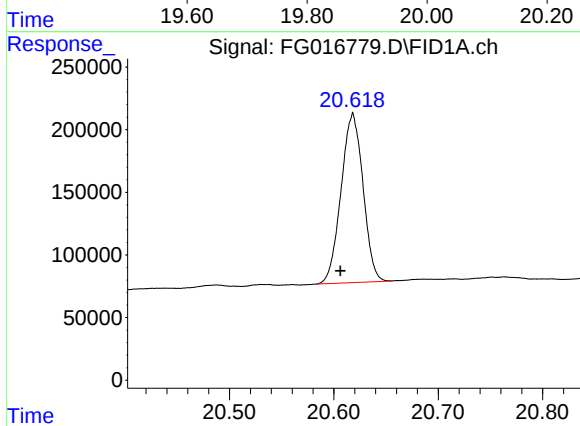
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.011 min
Response: 2677998
Conc: 18.89 ug/ml



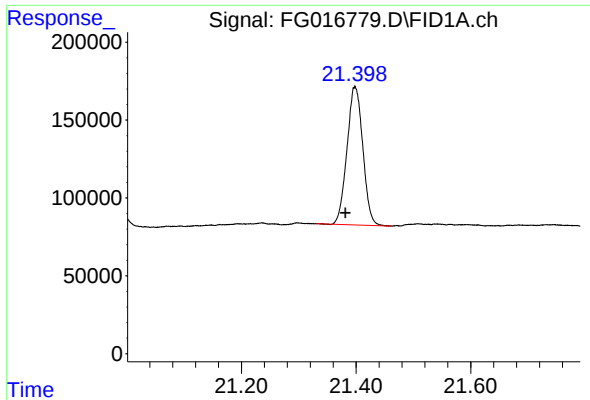
#19 n-Tetratriacontane (C34)

R.T.: 19.875 min
Delta R.T.: 0.013 min
Response: 2409878
Conc: 19.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.618 min
Delta R.T.: 0.012 min
Response: 1975096
Conc: 19.16 ug/ml m



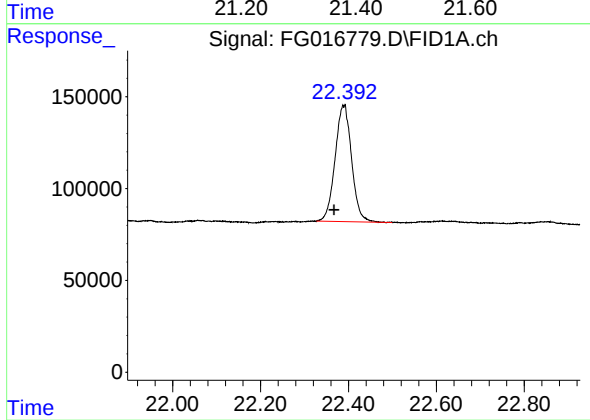
#21 n-Octatriacontane (C38)

R.T.: 21.398 min
Delta R.T.: 0.016 min
Response: 1700533
Conc: 18.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.392 min
Delta R.T.: 0.025 min
Response: 1652949
Conc: 19.69 ug/ml m