

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062625AL\
 Data File : FE054605.D
 Signal(s) : FID1B.ch
 Acq On : 26 Jun 2025 13:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 27 02:00:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.824	2941778	17.804 ug/ml
Spiked Amount 50.000		Recovery =	35.61%
12) S 1-chlorooctadecane (S...	13.268	2250530	18.455 ug/ml
Spiked Amount 50.000		Recovery =	36.91%
Target Compounds			
1) T n-Nonane (C9)	3.169	2508365	20.199 ug/ml
2) T n-Decane (C10)	4.431	2607609	20.986 ug/ml
3) T A~Naphthalene (C11.7)	6.147	2775446	20.537 ug/ml
4) T n-Dodecane (C12)	6.612	2689737	21.124 ug/ml
5) T A~2-methylnaphthalene...	7.249	2904886	21.931 ug/mlm
6) T n-Tetradecane (C14)	8.447	2784517	21.508 ug/mlm
7) T n-Hexadecane (C16)	10.060	2757614	20.759 ug/ml
8) T n-Octadecane (C18)	11.509	2762831	20.460 ug/ml
10) T n-Eicosane (C20)	12.827	2691903	20.122 ug/ml
11) T n-Heneicosane (C21)	13.441	2538652	19.092 ug/ml
13) T n-Docosane (C22)	14.028	2502571	19.086 ug/ml
14) T n-Tetracosane (C24)	15.132	2226768	17.263 ug/ml
15) T n-Hexacosane (C26)	16.155	2075596	16.535 ug/ml
16) T n-Octacosane (C28)	17.106	2218674	18.092 ug/mlm
17) T n-Tricontane (C30)	17.996	2118866	17.096 ug/ml
18) T n-Dotriacontane (C32)	18.830	2135978	17.000 ug/ml
19) T n-Tetratriacontane (C34)	19.615	2147161	17.259 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	2192091	17.028 ug/mlm
21) T n-Octatriacontane (C38)	21.077	2291407	17.354 ug/mlm
22) T n-Tetracontane (C40)	21.959	2371334	17.604 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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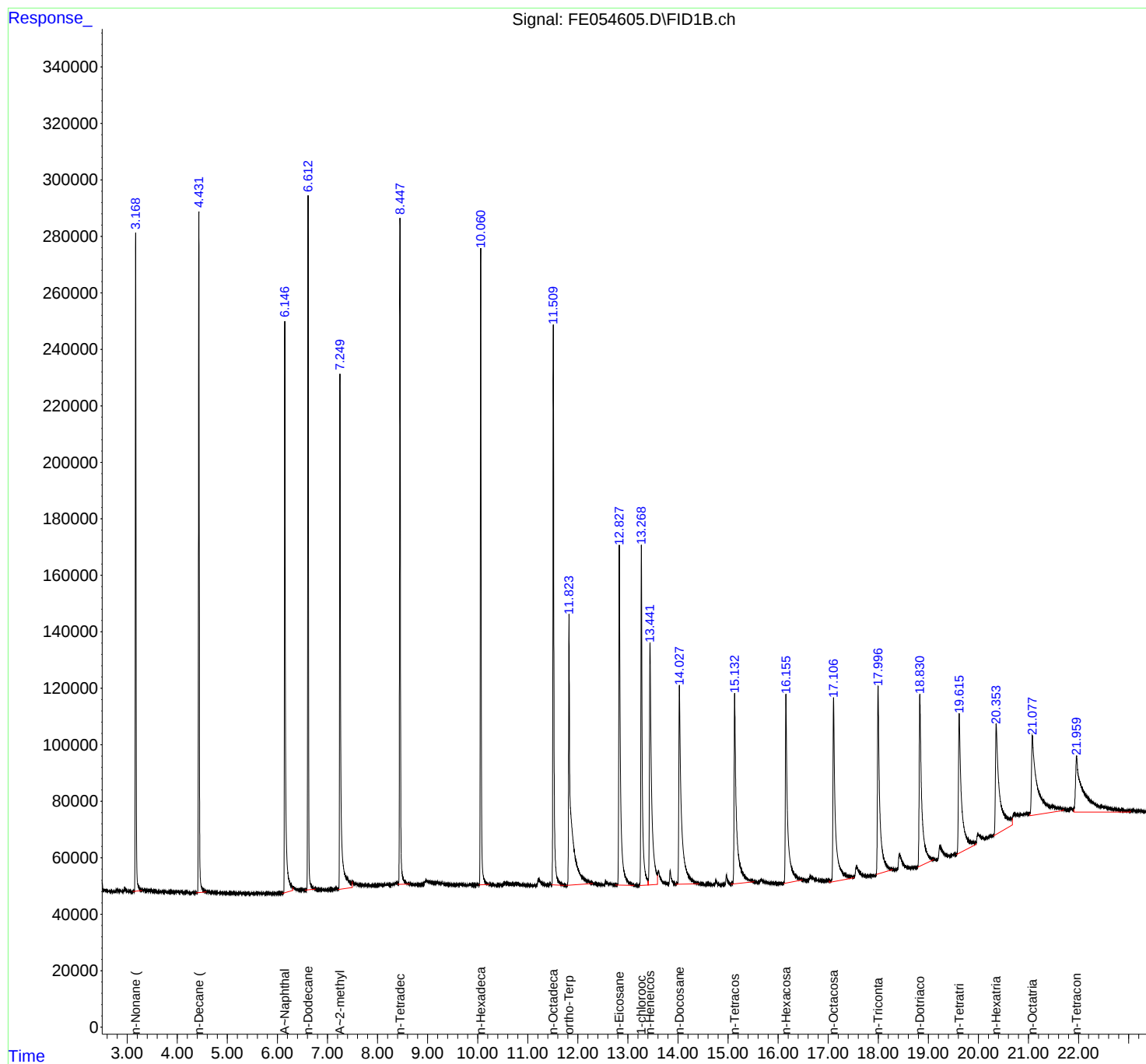
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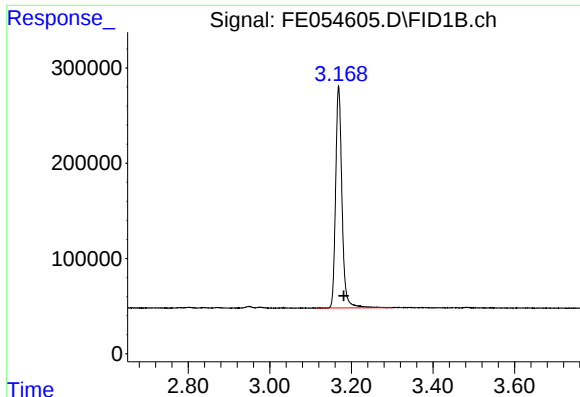
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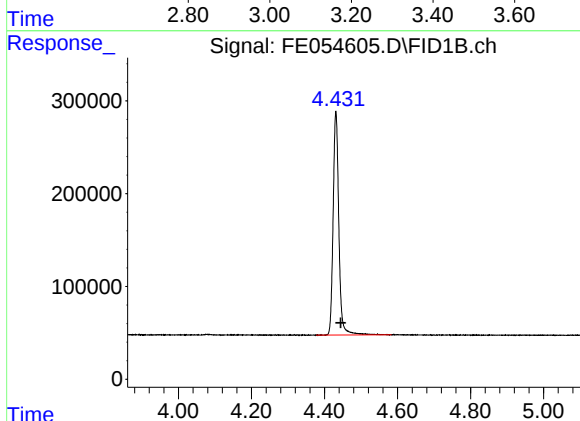
#1 n-Nonane (C9)

R.T.: 3.169 min
Delta R.T.: -0.012 min
Response: 2508365
Conc: 20.20 ug/ml

Instrument :
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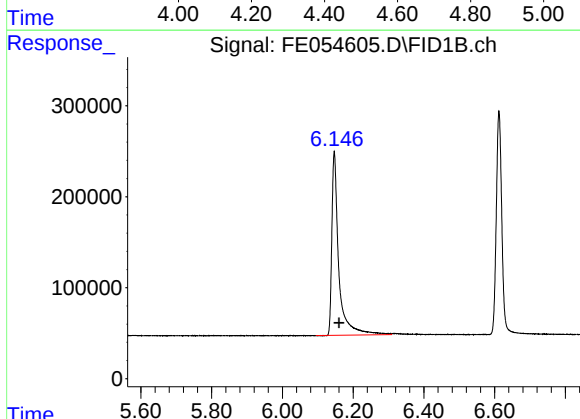
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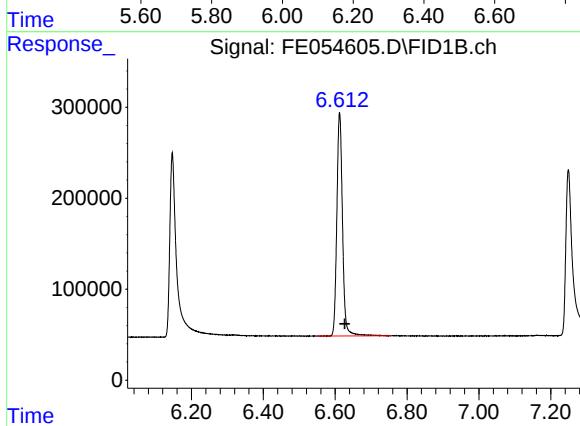
#2 n-Decane (C10)

R.T.: 4.431 min
Delta R.T.: -0.013 min
Response: 2607609
Conc: 20.99 ug/ml



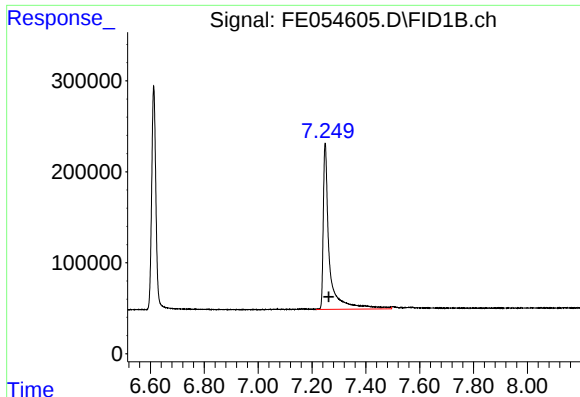
#3 A~Naphthalene (C11.7)

R.T.: 6.147 min
Delta R.T.: -0.013 min
Response: 2775446
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.612 min
Delta R.T.: -0.014 min
Response: 2689737
Conc: 21.12 ug/ml



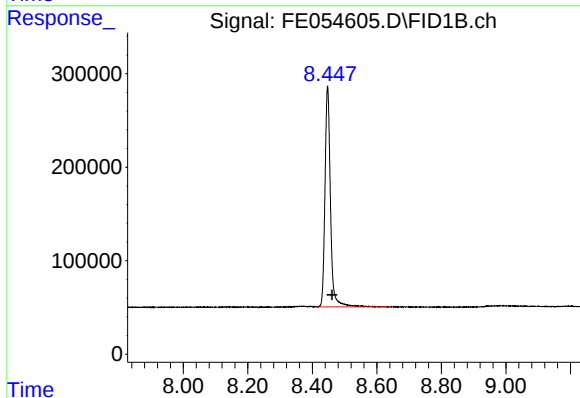
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.249 min
Delta R.T.: -0.014 min
Response: 2904886
Conc: 21.93 ug/ml

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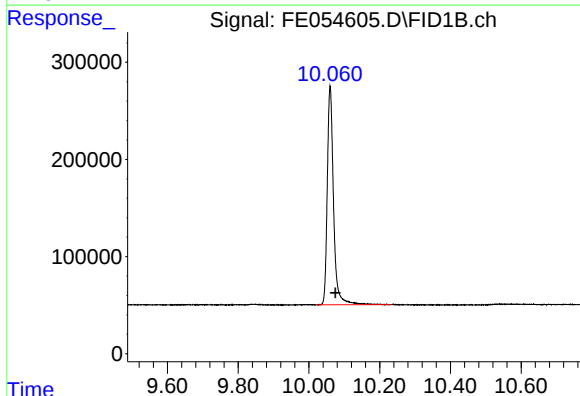
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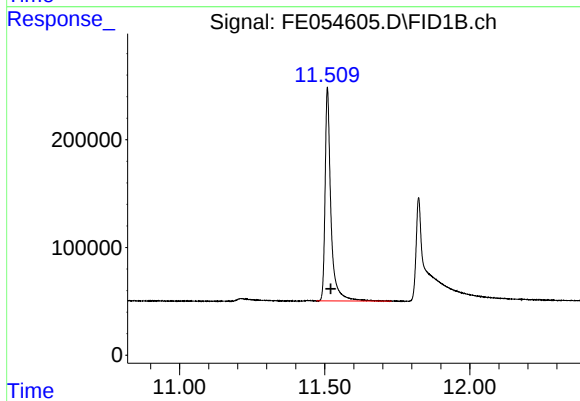
#6 n-Tetradecane (C14)

R.T.: 8.447 min
Delta R.T.: -0.015 min
Response: 2784517
Conc: 21.51 ug/ml m



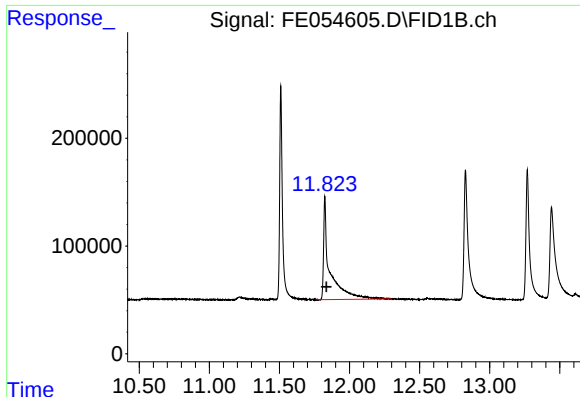
#7 n-Hexadecane (C16)

R.T.: 10.060 min
Delta R.T.: -0.014 min
Response: 2757614
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.012 min
Response: 2762831
Conc: 20.46 ug/ml



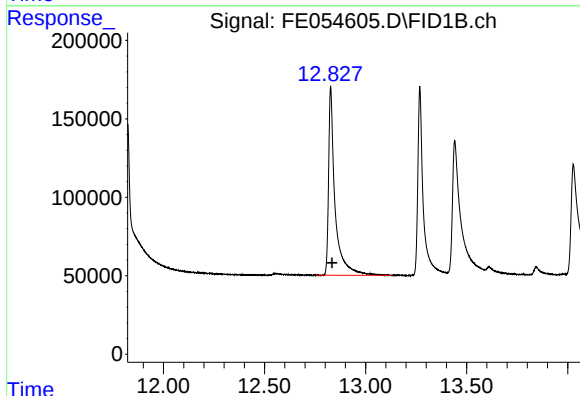
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 2941778
Conc: 17.80 ug/ml

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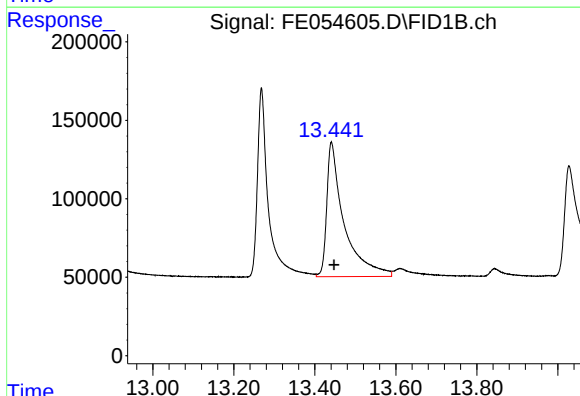
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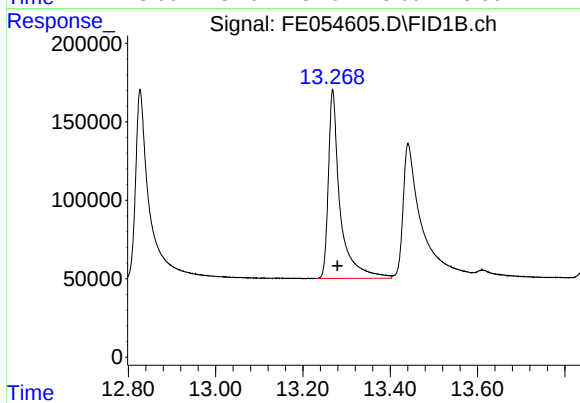
#10 n-Eicosane (C20)

R.T.: 12.827 min
Delta R.T.: -0.007 min
Response: 2691903
Conc: 20.12 ug/ml



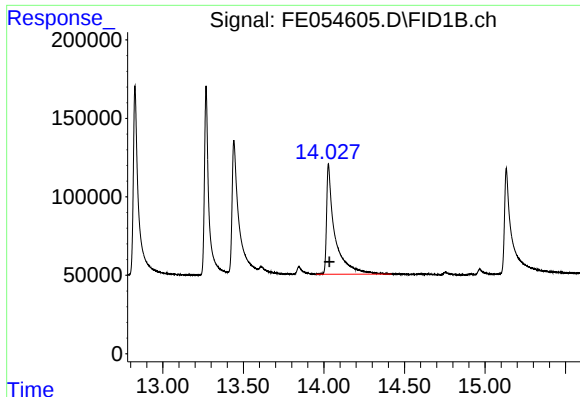
#11 n-Heneicosane (C21)

R.T.: 13.441 min
Delta R.T.: -0.006 min
Response: 2538652
Conc: 19.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.011 min
Response: 2250530
Conc: 18.45 ug/ml



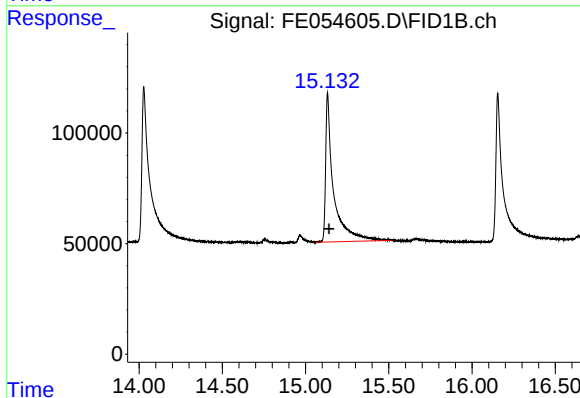
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.007 min
Response: 2502571
Conc: 19.09 ug/ml

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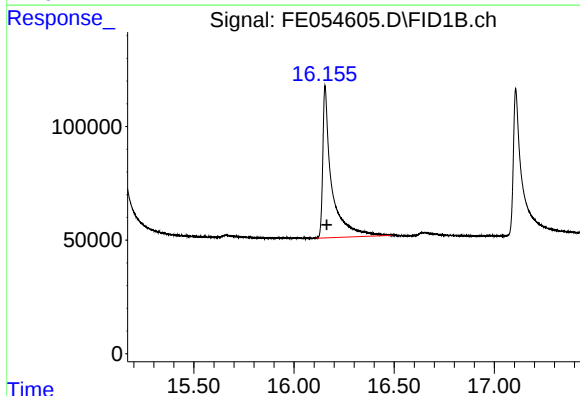
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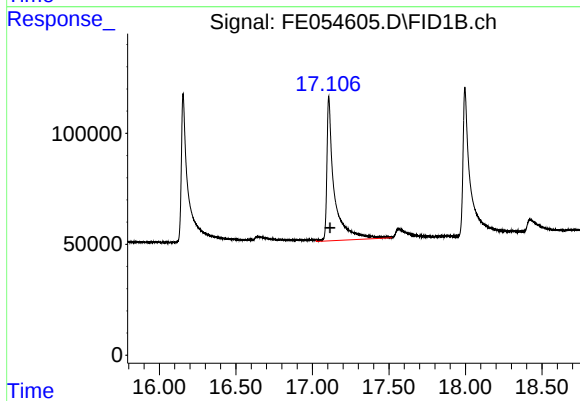
#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.009 min
Response: 2226768
Conc: 17.26 ug/ml



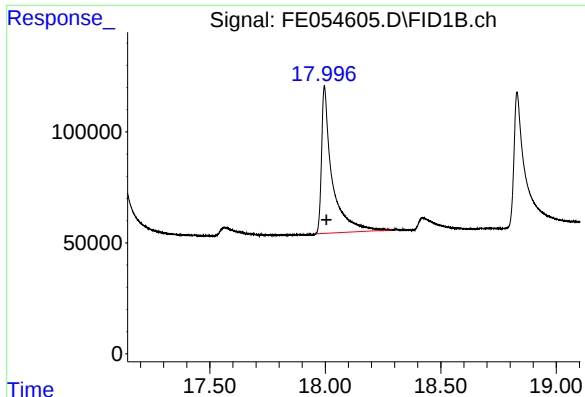
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.009 min
Response: 2075596
Conc: 16.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.009 min
Response: 2218674
Conc: 18.09 ug/ml m



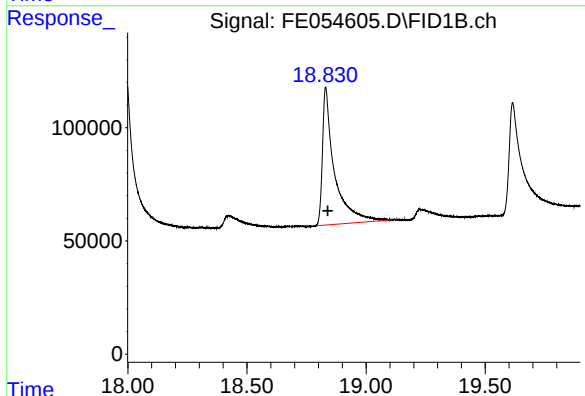
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 2118866
Conc: 17.10 ug/ml

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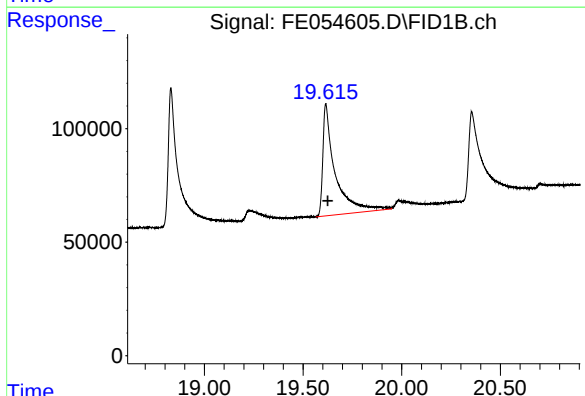
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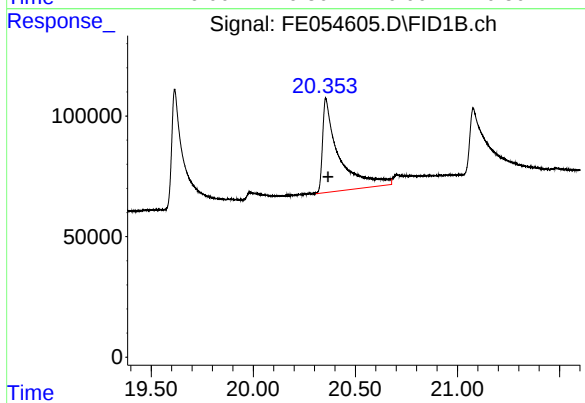
#18 n-Dotriacontane (C32)

R.T.: 18.830 min
Delta R.T.: -0.009 min
Response: 2135978
Conc: 17.00 ug/ml



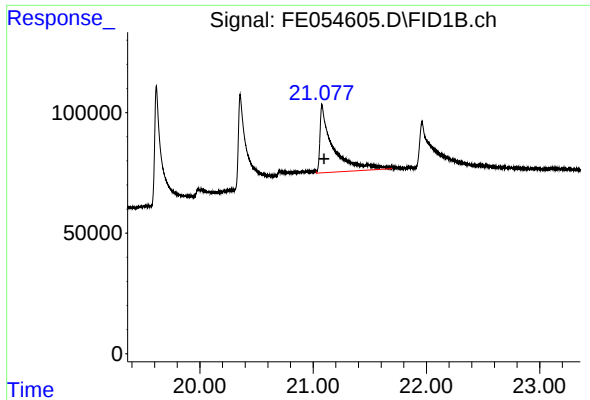
#19 n-Tetratriacontane (C34)

R.T.: 19.615 min
Delta R.T.: -0.010 min
Response: 2147161
Conc: 17.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.014 min
Response: 2192091
Conc: 17.03 ug/ml m



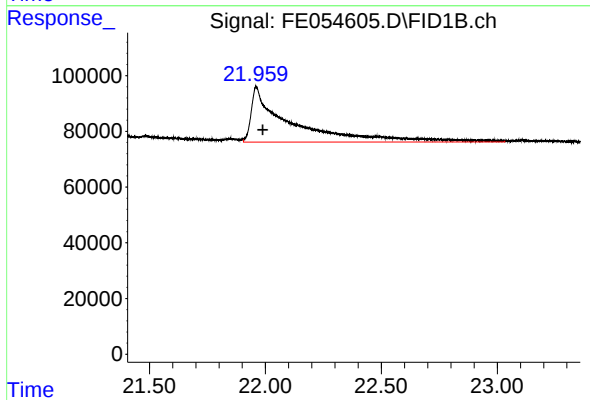
#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.019 min
Response: 2291407
Conc: 17.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.029 min
Response: 2371334
Conc: 17.60 ug/ml m