

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041125AL\
 Data File : FE053321.D
 Signal(s) : FID1B.ch
 Acq On : 11 Apr 2025 14:11
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/14/2025
 Supervised By :mohammad ahmed 04/15/2025

Integration File: autoint1.e
 Quant Time: Apr 11 22:45:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.890	2845075	17.467 ug/ml
Spiked Amount 50.000		Recovery =	34.93%
12) S 1-chlorooctadecane (S...	13.335	2230764	18.583 ug/ml
Spiked Amount 50.000		Recovery =	37.17%
Target Compounds			
1) T n-Nonane (C9)	3.235	2648233	17.103 ug/ml
2) T n-Decane (C10)	4.496	2811224	17.922 ug/ml
3) T A~Naphthalene (C11.7)	6.210	2947883	17.548 ug/ml
4) T n-Dodecane (C12)	6.677	2835177	18.128 ug/ml
5) T A~2-methylnaphthalene...	7.312	2811061	17.618 ug/ml
6) T n-Tetradecane (C14)	8.513	2790935	18.228 ug/ml
7) T n-Hexadecane (C16)	10.127	2826079	18.334 ug/ml
8) T n-Octadecane (C18)	11.575	2774374	18.293 ug/ml
10) T n-Eicosane (C20)	12.889	2608548	18.296 ug/ml
11) T n-Heneicosane (C21)	13.503	2513355	18.112 ug/ml
13) T n-Docosane (C22)	14.091	2548582	18.609 ug/mlm
14) T n-Tetracosane (C24)	15.196	2646845	19.598 ug/mlm
15) T n-Hexacosane (C26)	16.221	2735741	20.507 ug/ml
16) T n-Octacosane (C28)	17.173	2889265	21.894 ug/ml
17) T n-Tricontane (C30)	18.063	3206361	23.656 ug/ml
18) T n-Dotriacontane (C32)	18.898	3362999	24.992 ug/mlm
19) T n-Tetratriacontane (C34)	19.681	3102701	23.978 ug/ml
20) T n-Hexatriacontane (C36)	20.423	2753695	23.181 ug/ml
21) T n-Octatriacontane (C38)	21.161	2286754	19.896 ug/ml
22) T n-Tetracontane (C40)	22.073	1953949	17.397 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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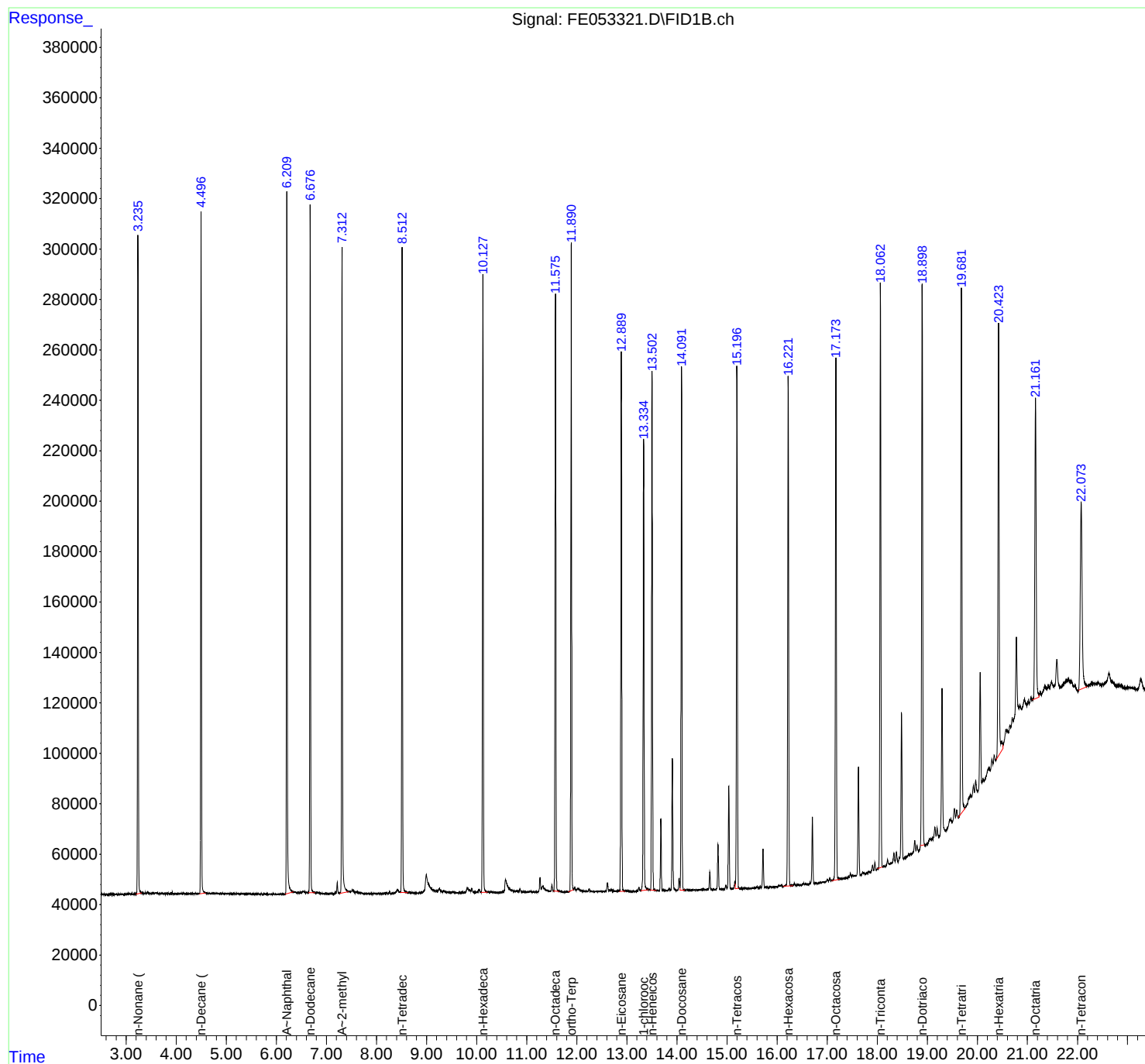
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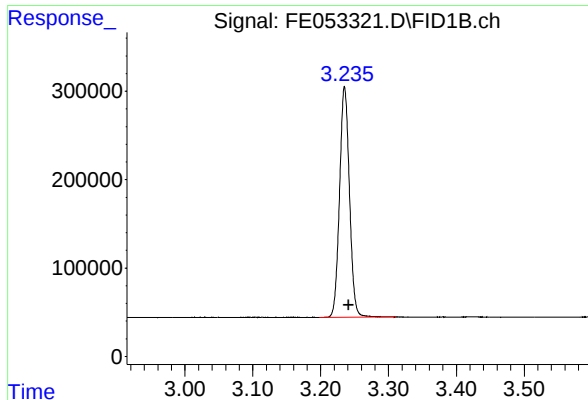
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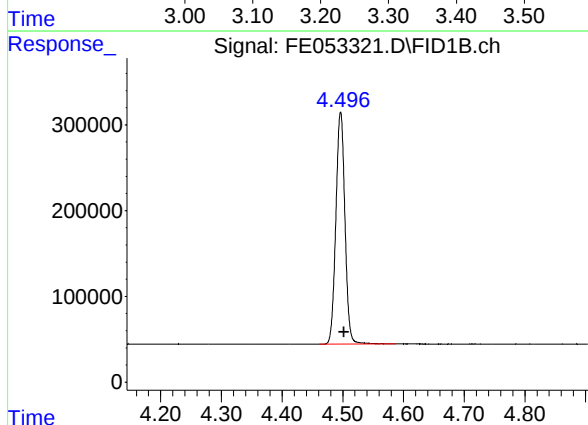
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.006 min
Response: 2648233
Conc: 17.10 ug/ml

Instrument : FID_E
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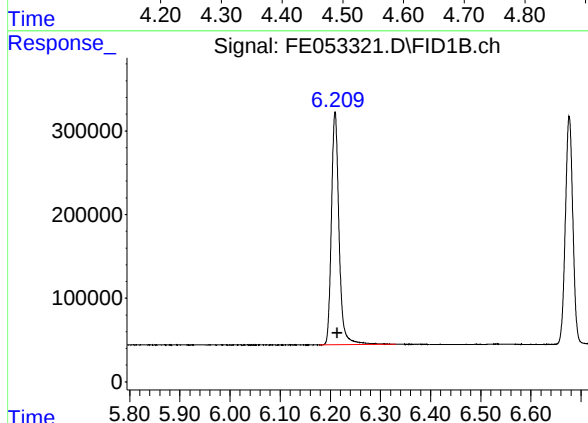
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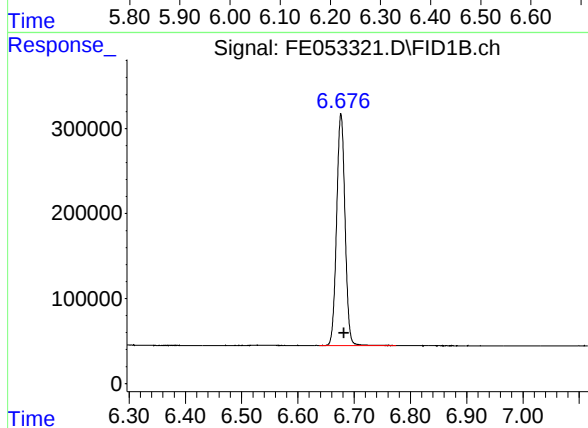
#2 n-Decane (C10)

R.T.: 4.496 min
Delta R.T.: -0.005 min
Response: 2811224
Conc: 17.92 ug/ml



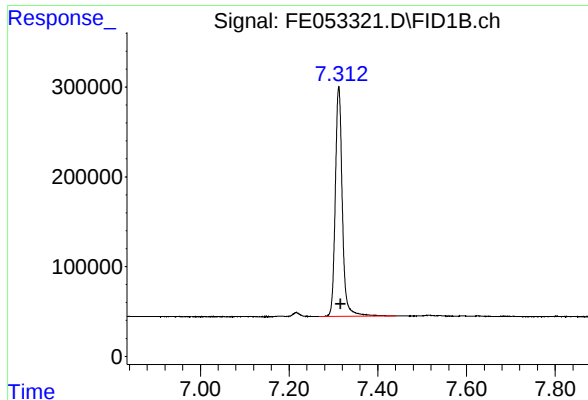
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.004 min
Response: 2947883
Conc: 17.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.005 min
Response: 2835177
Conc: 18.13 ug/ml



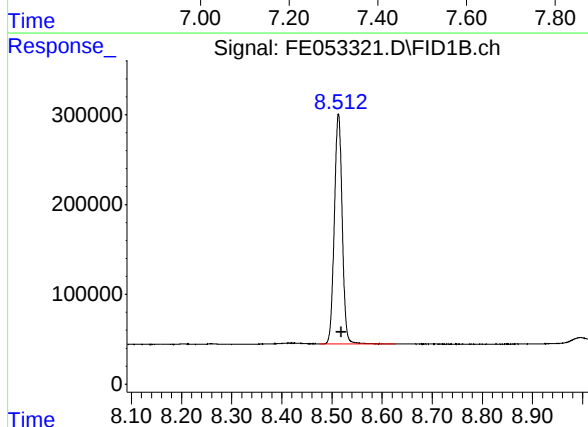
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.004 min
Response: 2811061
Conc: 17.62 ug/ml

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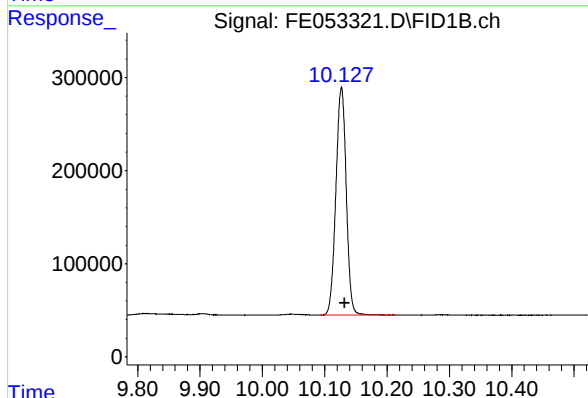
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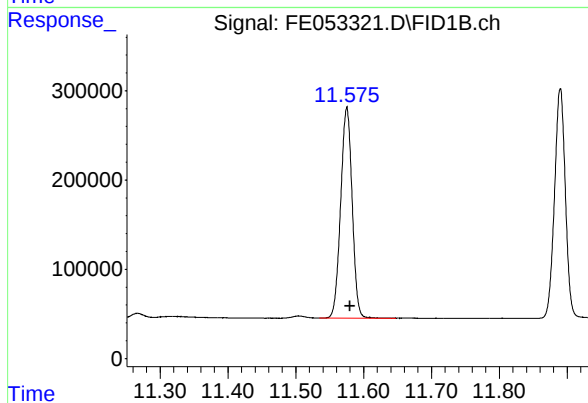
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.005 min
Response: 2790935
Conc: 18.23 ug/ml



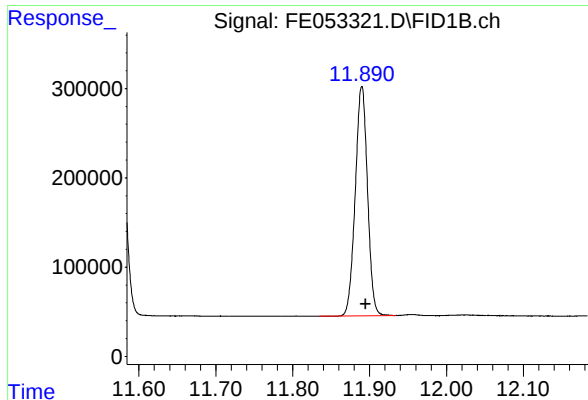
#7 n-Hexadecane (C16)

R.T.: 10.127 min
Delta R.T.: -0.005 min
Response: 2826079
Conc: 18.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.005 min
Response: 2774374
Conc: 18.29 ug/ml



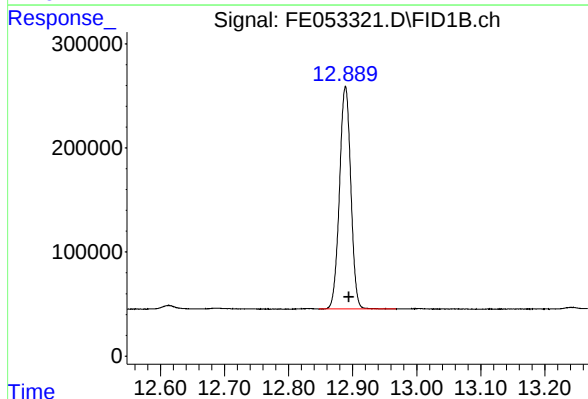
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 2845075
Conc: 17.47 ug/ml

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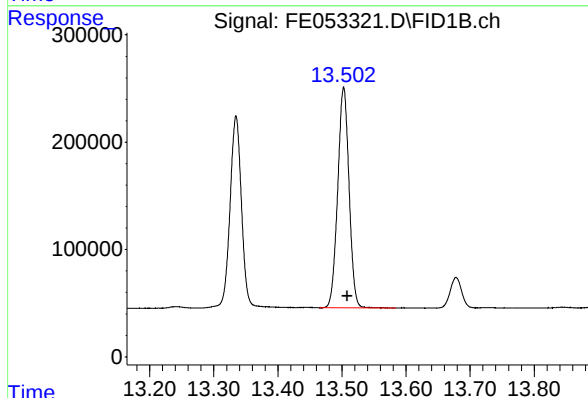
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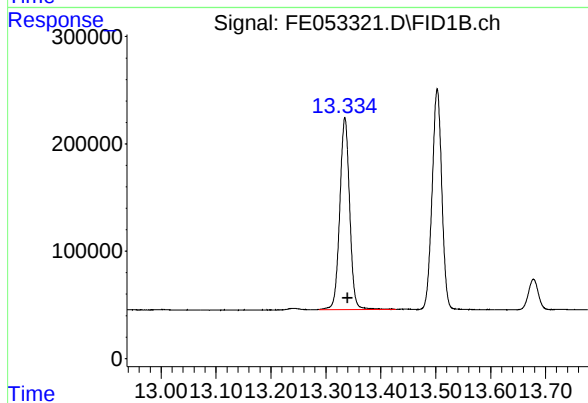
#10 n-Eicosane (C20)

R.T.: 12.889 min
Delta R.T.: -0.005 min
Response: 2608548
Conc: 18.30 ug/ml



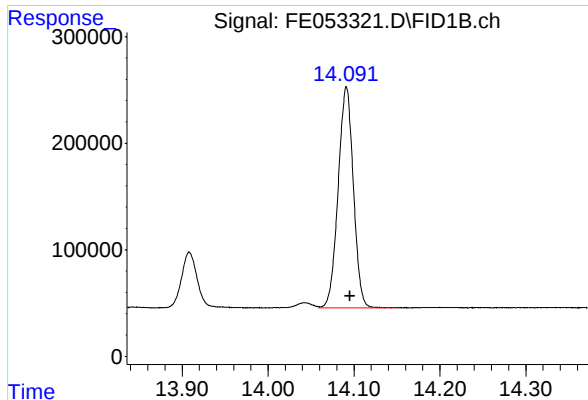
#11 n-Heneicosane (C21)

R.T.: 13.503 min
Delta R.T.: -0.005 min
Response: 2513355
Conc: 18.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.335 min
Delta R.T.: -0.005 min
Response: 2230764
Conc: 18.58 ug/ml



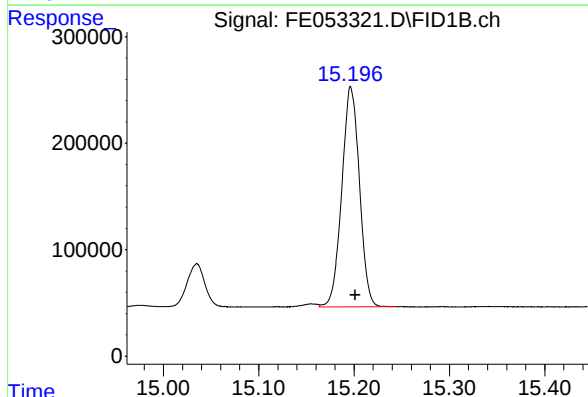
#13 n-Docosane (C22)

R.T.: 14.091 min
Delta R.T.: -0.005 min
Response: 2548582
Conc: 18.61 ug/ml

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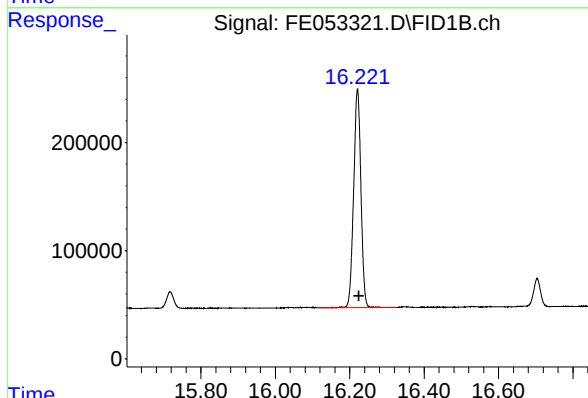
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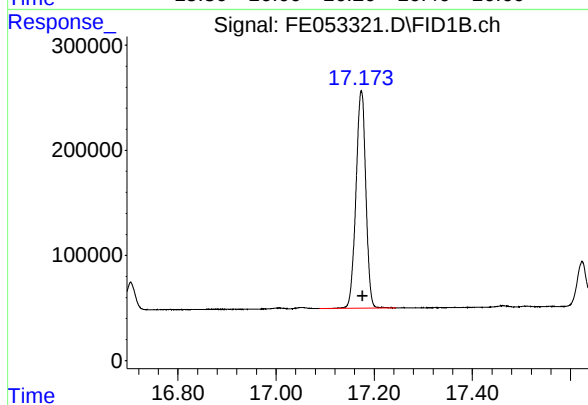
#14 n-Tetracosane (C24)

R.T.: 15.196 min
Delta R.T.: -0.005 min
Response: 2646845
Conc: 19.60 ug/ml m



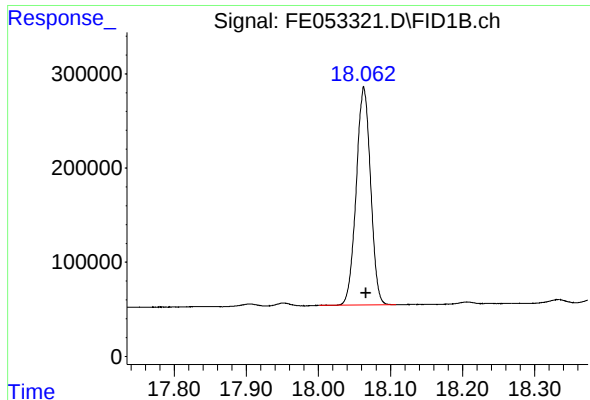
#15 n-Hexacosane (C26)

R.T.: 16.221 min
Delta R.T.: -0.005 min
Response: 2735741
Conc: 20.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.173 min
Delta R.T.: -0.003 min
Response: 2889265
Conc: 21.89 ug/ml



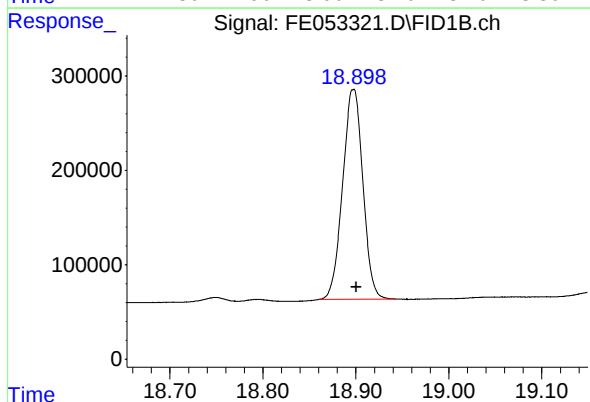
#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.003 min
Response: 3206361
Conc: 23.66 ug/ml

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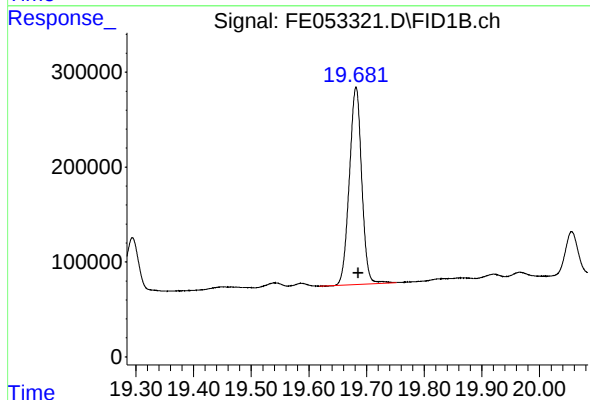
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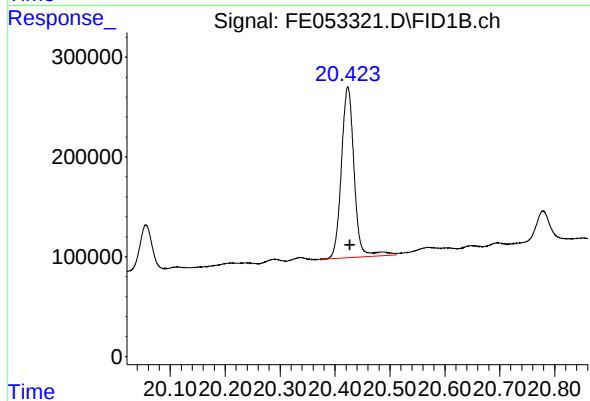
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: -0.003 min
Response: 3362999
Conc: 24.99 ug/ml m



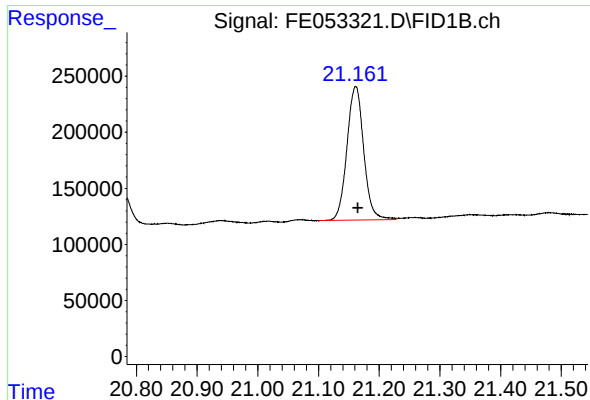
#19 n-Tetratriacontane (C34)

R.T.: 19.681 min
Delta R.T.: -0.005 min
Response: 3102701
Conc: 23.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min
Delta R.T.: -0.004 min
Response: 2753695
Conc: 23.18 ug/ml



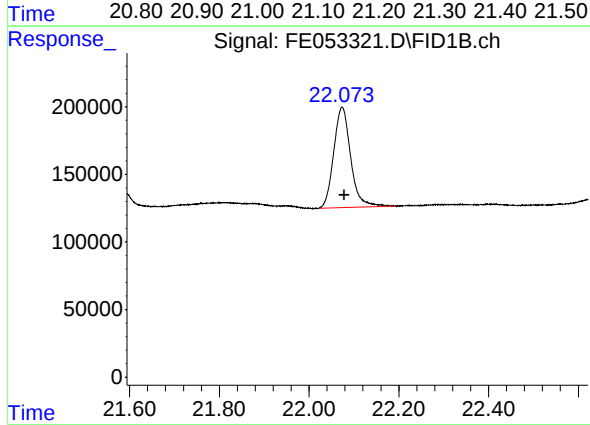
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: -0.004 min
Response: 2286754
Conc: 19.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.073 min
Delta R.T.: -0.006 min
Response: 1953949
Conc: 17.40 ug/ml m