

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042525AL\
 Data File : FE053522.D
 Signal(s) : FID1B.ch
 Acq On : 25 Apr 2025 10:10
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 25 23:08:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 15:58:53 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)	11.869	3508665	19.454 ug/ml
Spiked Amount 50.000		Recovery =	38.91%
12) S 1-chlorooctadecane (S...	13.313	2584202	19.117 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
Target Compounds			
1) T n-Nonane (C9)	3.217	2730861	19.918 ug/ml
2) T n-Decane (C10)	4.478	2803342	20.265 ug/ml
3) T A~Naphthalene (C11.7)	6.190	3082818	20.423 ug/ml
4) T n-Dodecane (C12)	6.658	2851730	20.333 ug/ml
5) T A~2-methylnaphthalene...	7.292	3054769	20.460 ug/ml
6) T n-Tetradecane (C14)	8.494	2848531	20.305 ug/ml
7) T n-Hexadecane (C16)	10.107	2860995	19.962 ug/ml
8) T n-Octadecane (C18)	11.554	2860047	19.625 ug/mlm
10) T n-Eicosane (C20)	12.868	2814079	19.339 ug/ml
11) T n-Heneicosane (C21)	13.482	2785890	19.234 ug/ml
13) T n-Docosane (C22)	14.069	2768225	19.183 ug/ml
14) T n-Tetracosane (C24)	15.174	2728057	18.992 ug/ml
15) T n-Hexacosane (C26)	16.197	2692916	19.014 ug/ml
16) T n-Octacosane (C28)	17.148	2691994	19.349 ug/mlm
17) T n-Tricontane (C30)	18.038	2768023	19.886 ug/ml
18) T n-Dotriacontane (C32)	18.872	2799008	20.385 ug/ml
19) T n-Tetratriacontane (C34)	19.658	2645954	20.308 ug/ml
20) T n-Hexatriacontane (C36)	20.400	2630698	20.838 ug/ml
21) T n-Octatriacontane (C38)	21.135	2455100	20.152 ug/ml
22) T n-Tetracontane (C40)	22.039	2429412	20.343 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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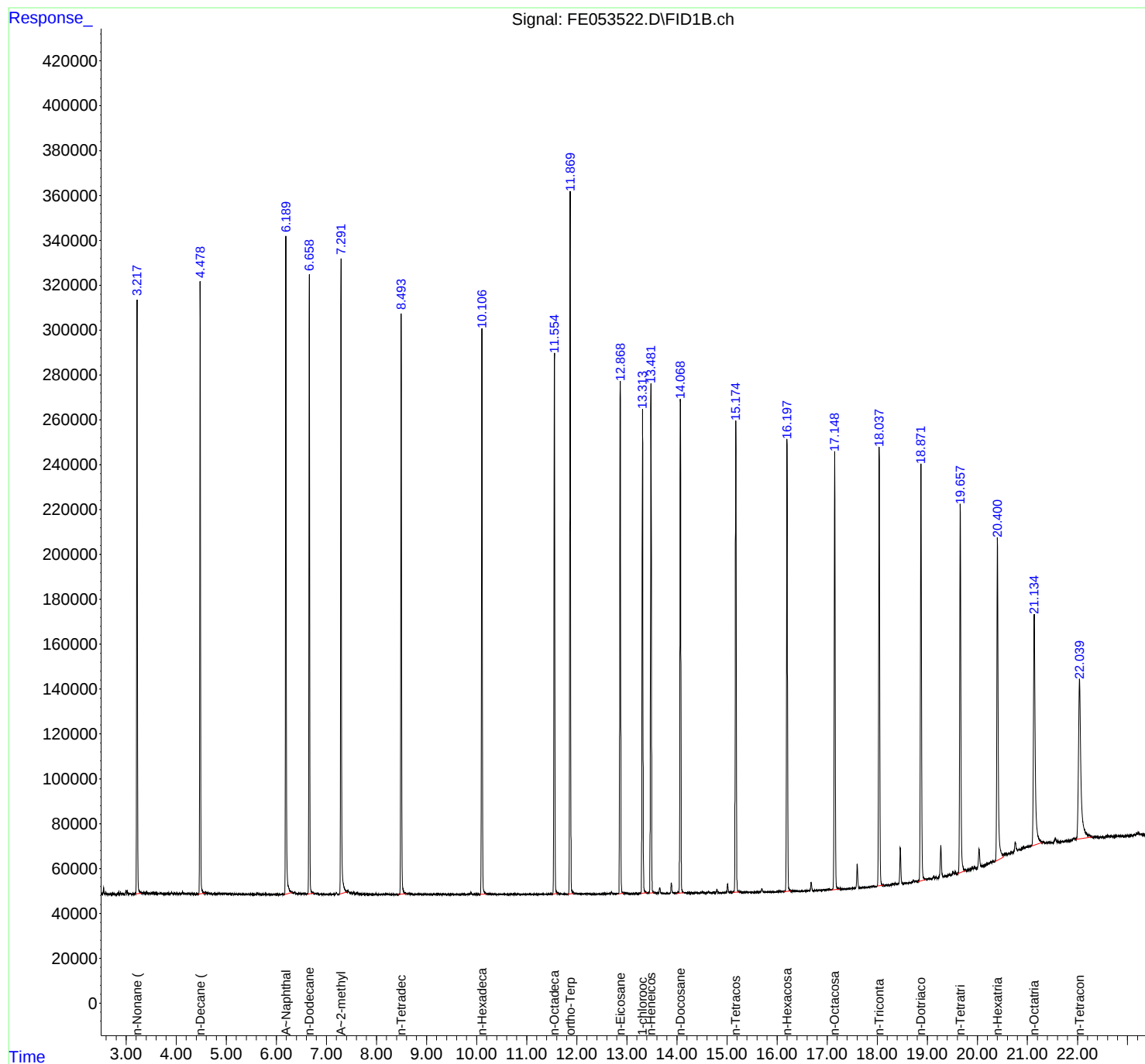
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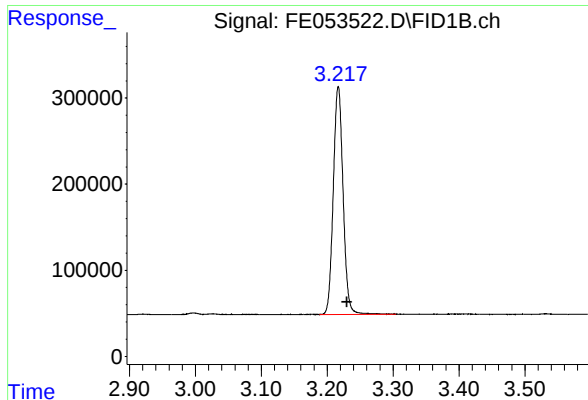
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#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.013 min
Response: 2730861
Conc: 19.92 ug/ml

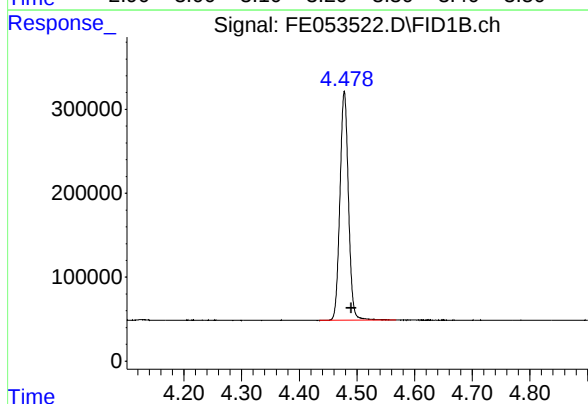
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FID_E

ClientSampleId :

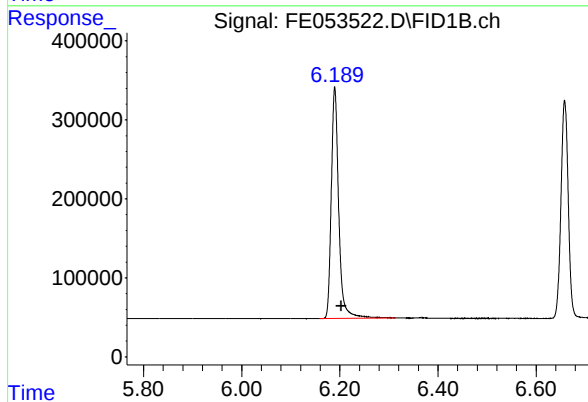
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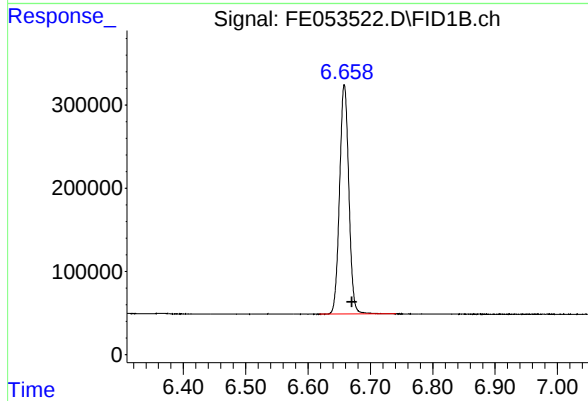
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.013 min
Response: 2803342
Conc: 20.26 ug/ml



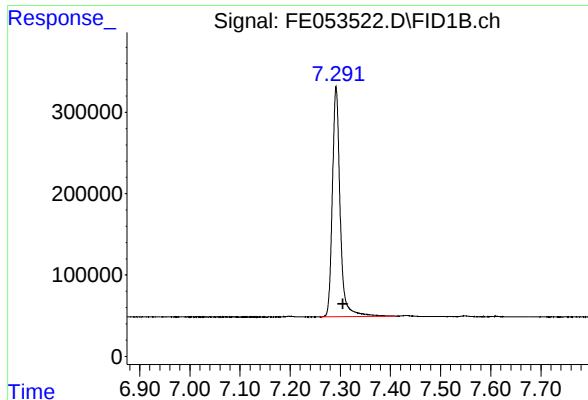
#3 A~Naphthalene (C11.7)

R.T.: 6.190 min
Delta R.T.: -0.014 min
Response: 3082818
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min
Delta R.T.: -0.013 min
Response: 2851730
Conc: 20.33 ug/ml



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

R.T.: 7.292 min
Delta R.T.: -0.014 min
Response: 3054769
Conc: 20.46 ug/ml

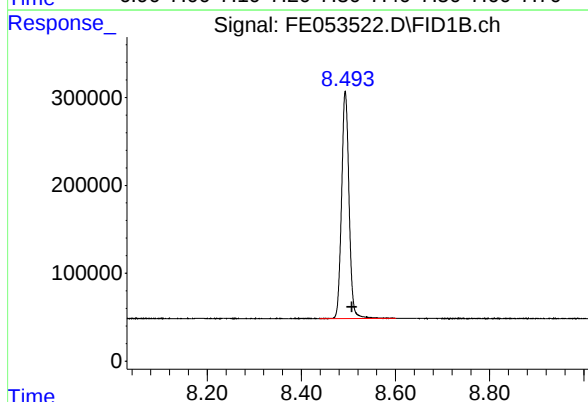
Instrument :

FID_E

ClientSampleId :

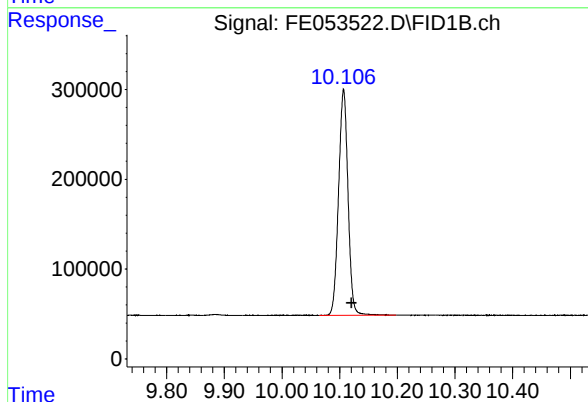
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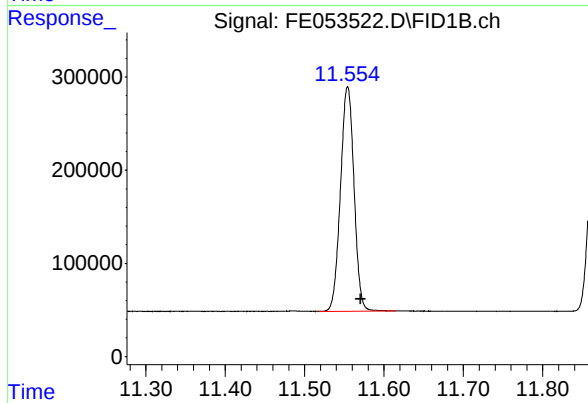
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.014 min
Response: 2848531
Conc: 20.30 ug/ml



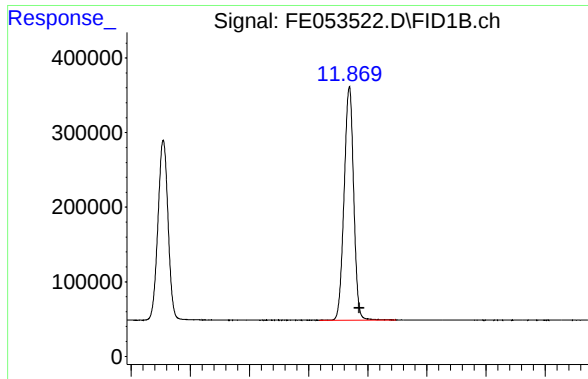
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.014 min
Response: 2860995
Conc: 19.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: -0.017 min
Response: 2860047
Conc: 19.63 ug/ml m



#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.017 min
Response: 3508665
Conc: 19.45 ug/ml

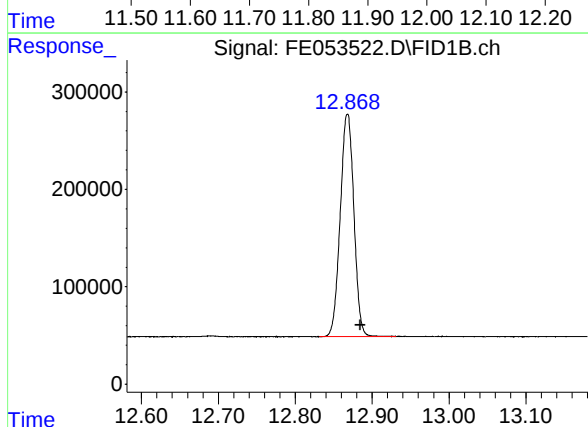
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FID_E

ClientSampleId :

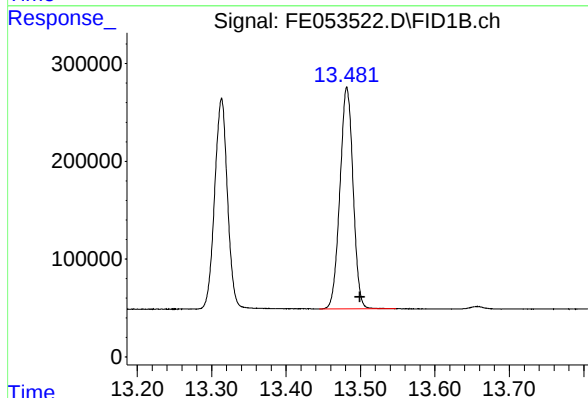
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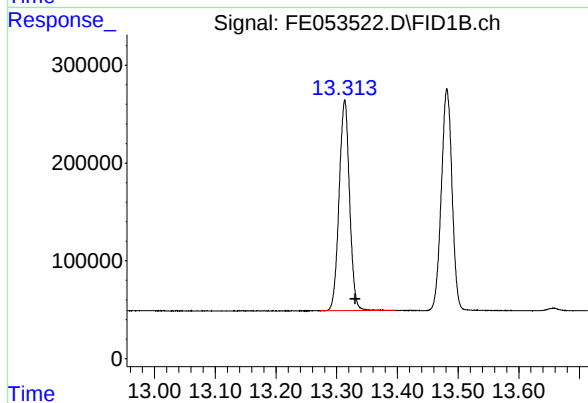
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.017 min
Response: 2814079
Conc: 19.34 ug/ml



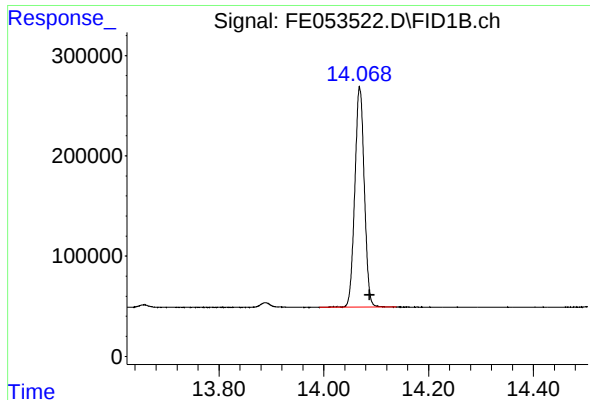
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.017 min
Response: 2785890
Conc: 19.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.017 min
Response: 2584202
Conc: 19.12 ug/ml



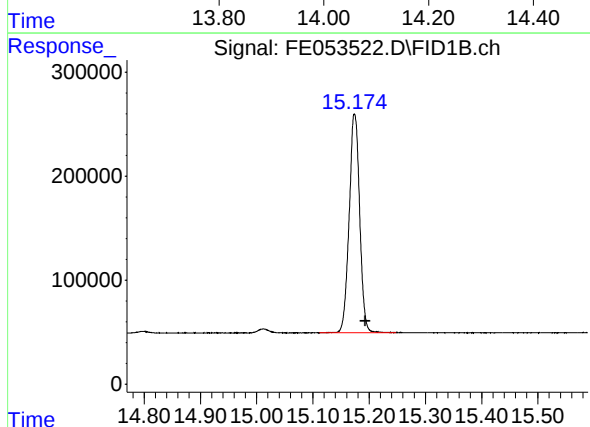
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.019 min
Response: 2768225
Conc: 19.18 ug/ml

Instrument :
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ClientSampleId :

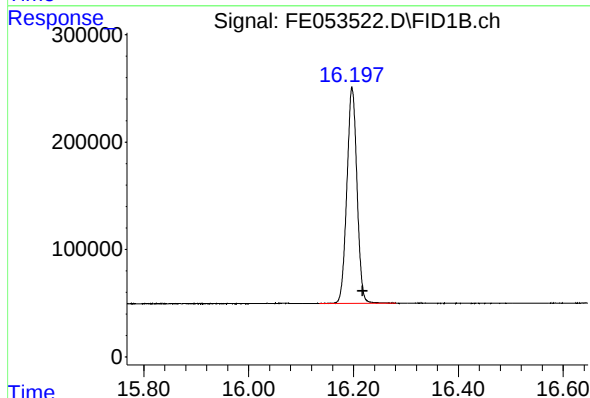
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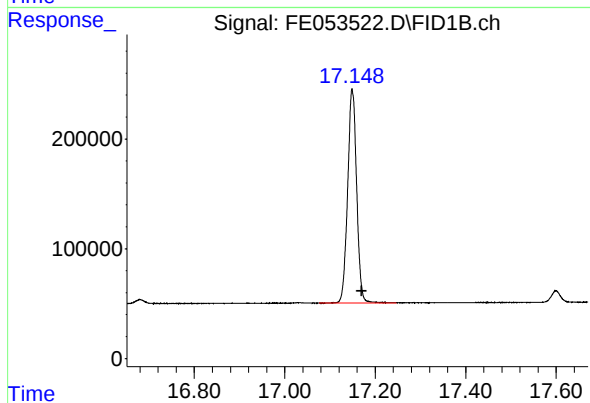
#14 n-Tetracosane (C24)

R.T.: 15.174 min
Delta R.T.: -0.019 min
Response: 2728057
Conc: 18.99 ug/ml



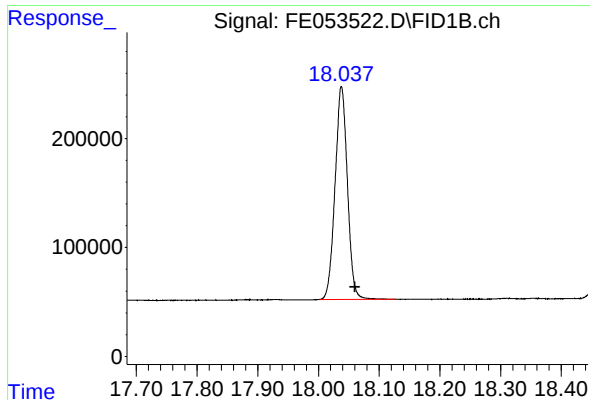
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.020 min
Response: 2692916
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.022 min
Response: 2691994
Conc: 19.35 ug/ml m



#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.022 min
Response: 2768023
Conc: 19.89 ug/ml

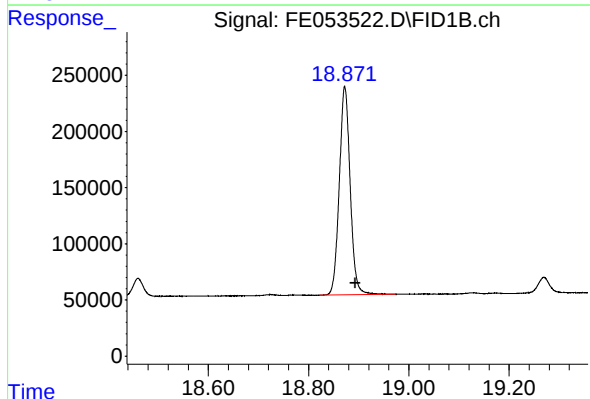
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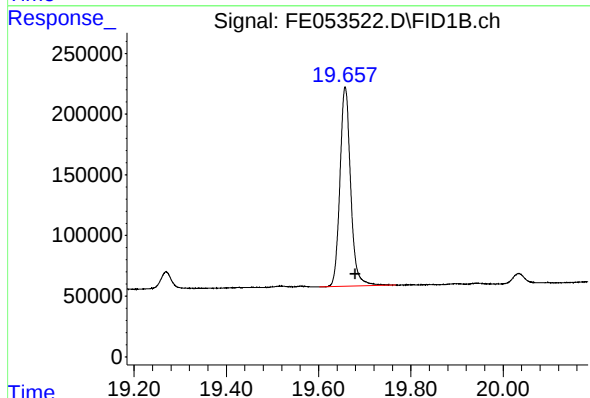
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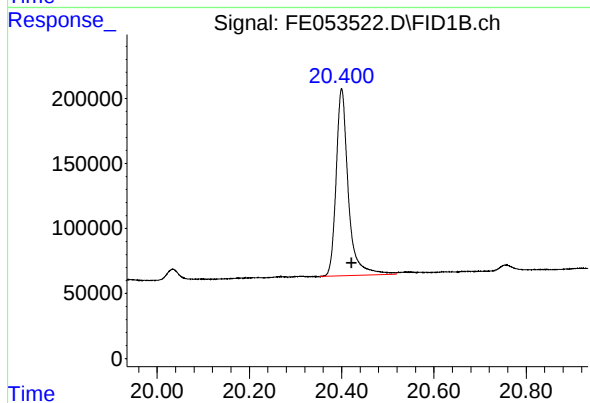
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.021 min
Response: 2799008
Conc: 20.38 ug/ml



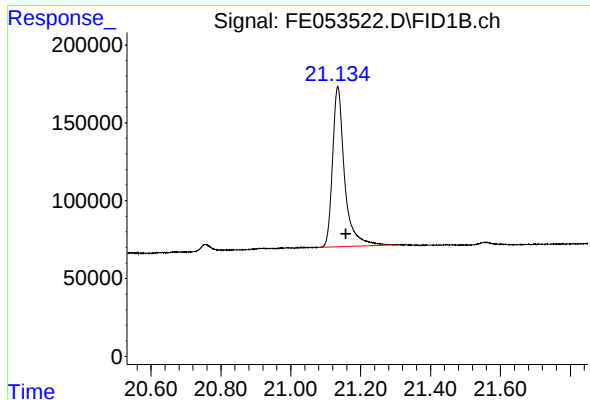
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.022 min
Response: 2645954
Conc: 20.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 2630698
Conc: 20.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.135 min
Delta R.T.: -0.023 min
Response: 2455100
Conc: 20.15 ug/ml

Instrument :

FID_E

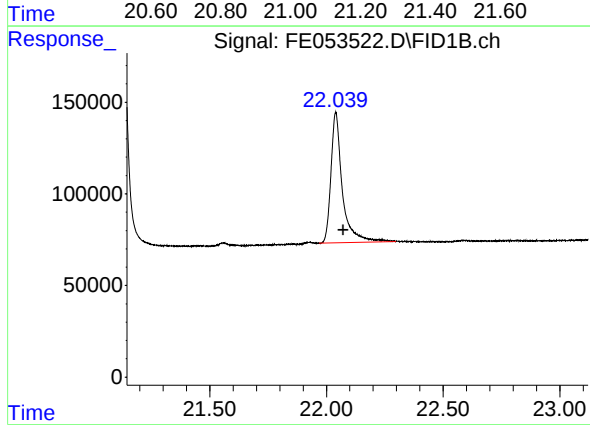
ClientSampleId :

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#22 n-Tetracontane (C40)

R.T.: 22.039 min
Delta R.T.: -0.035 min
Response: 2429412
Conc: 20.34 ug/ml m