

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060425AL\
 Data File : FE054183.D
 Signal(s) : FID1B.ch
 Acq On : 04 Jun 2025 22:26
 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 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File: autoint1.e
 Quant Time: Jun 05 06:29:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.836	3063128	18.849 ug/ml
Spiked Amount 50.000		Recovery =	37.70%
12) S 1-chlorooctadecane (S...	13.281	2317890	19.552 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
Target Compounds			
1) T n-Nonane (C9)	3.182	2227897	16.484 ug/mlm
2) T n-Decane (C10)	4.447	2218546	16.418 ug/ml
3) T A~Naphthalene (C11.7)	6.162	2498294	17.384 ug/ml
4) T n-Dodecane (C12)	6.628	2340388	17.158 ug/ml
5) T A~2-methylnaphthalene...	7.264	2478552	17.869 ug/ml
6) T n-Tetradecane (C14)	8.463	2397680	17.767 ug/ml
7) T n-Hexadecane (C16)	10.075	2480979	18.387 ug/ml
8) T n-Octadecane (C18)	11.522	2537844	18.846 ug/ml
10) T n-Eicosane (C20)	12.835	2523019	19.197 ug/ml
11) T n-Heneicosane (C21)	13.449	2501606	19.296 ug/ml
13) T n-Docosane (C22)	14.036	2508716	19.664 ug/ml
14) T n-Tetracosane (C24)	15.140	2536953	20.277 ug/mlm
15) T n-Hexacosane (C26)	16.165	2522557	20.600 ug/ml
16) T n-Octacosane (C28)	17.117	2509912	20.647 ug/ml
17) T n-Tricontane (C30)	18.005	2549764	20.469 ug/ml
18) T n-Dotriacontane (C32)	18.840	2525616	20.196 ug/ml
19) T n-Tetratriacontane (C34)	19.624	2321320	19.487 ug/ml
20) T n-Hexatriacontane (C36)	20.364	2164229	18.691 ug/ml
21) T n-Octatriacontane (C38)	21.093	1967208	18.077 ug/ml
22) T n-Tetracontane (C40)	21.985	1912221	19.270 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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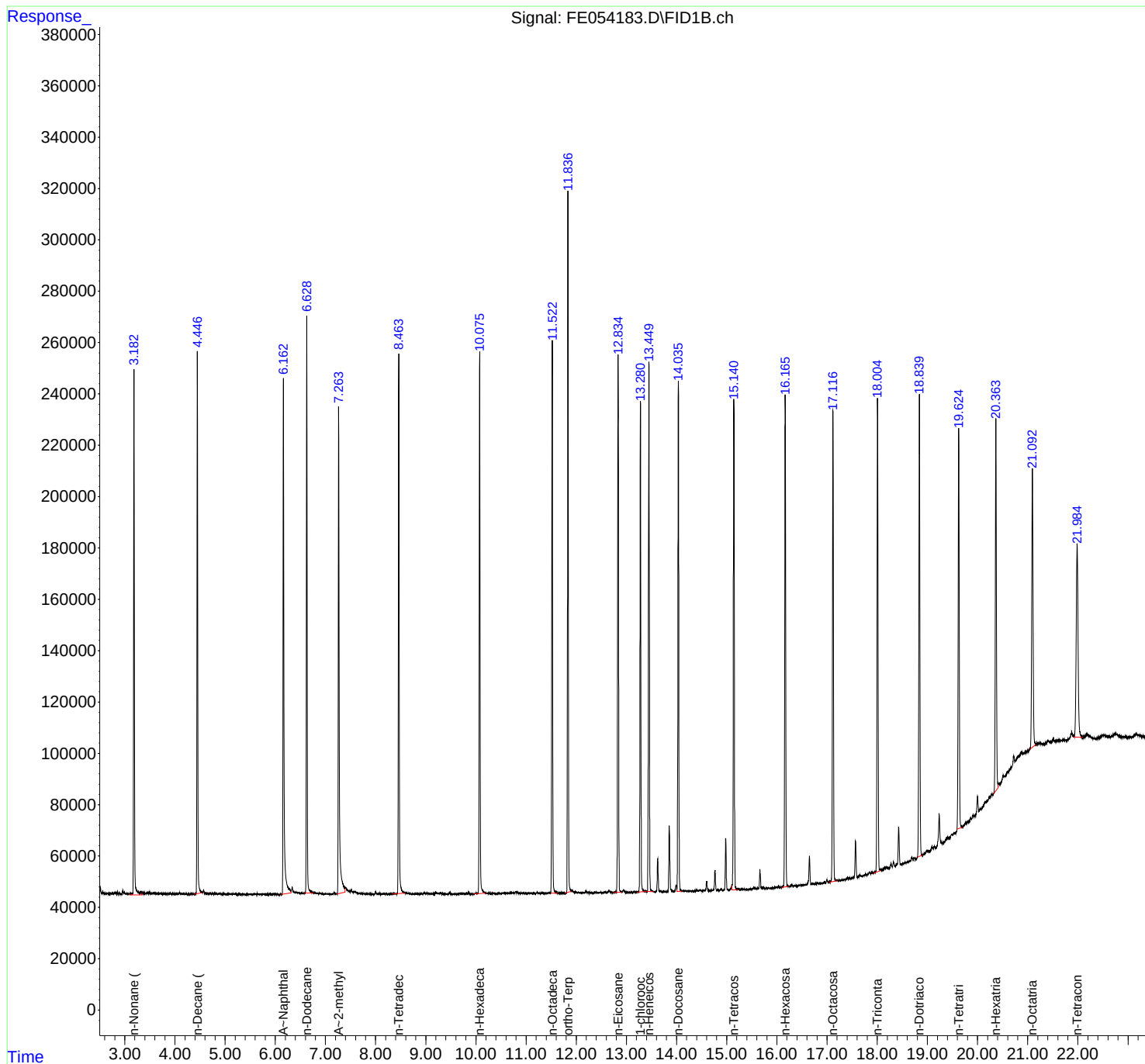
Instrument :
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20 PPM ALIPHATIC HC STD

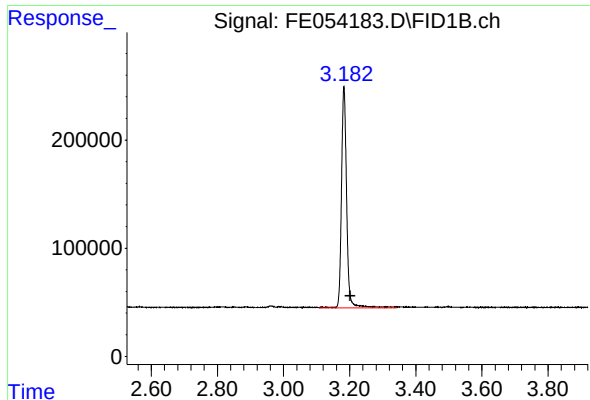
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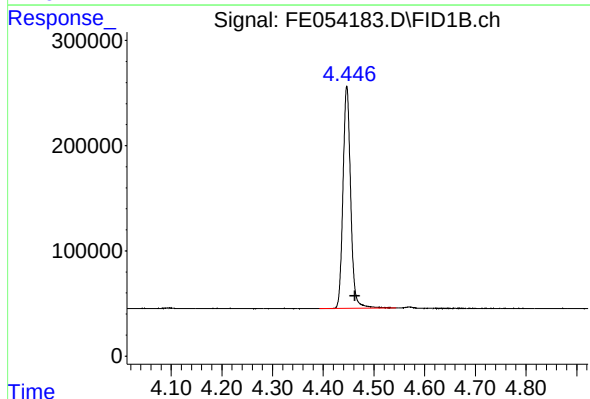
#1 n-Nonane (C9)

R.T.: 3.182 min
Delta R.T.: -0.020 min
Response: 2227897
Conc: 16.48 ug/ml

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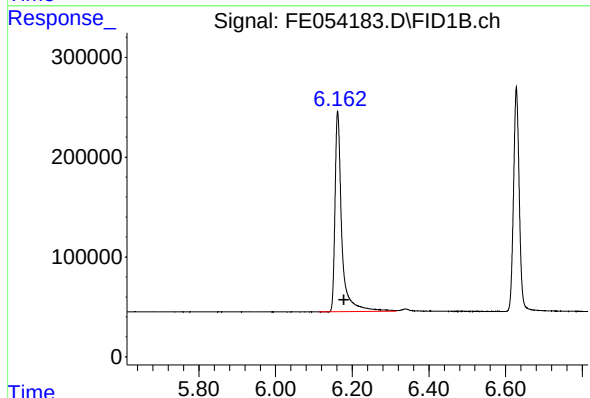
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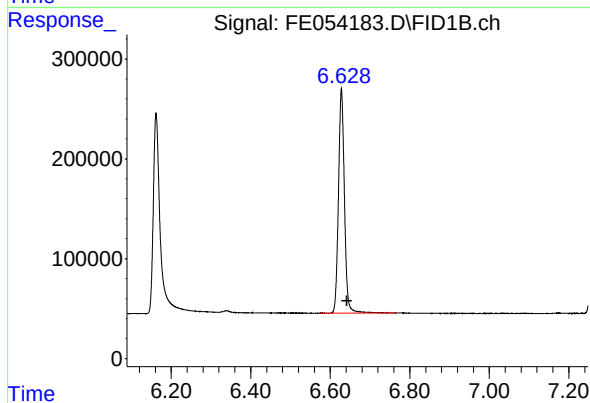
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.016 min
Response: 2218546
Conc: 16.42 ug/ml



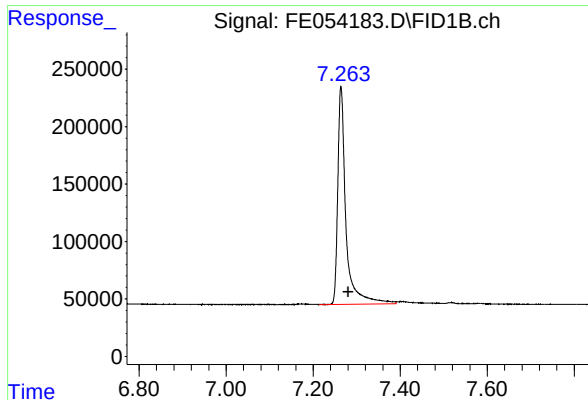
#3 A~Naphthalene (C11.7)

R.T.: 6.162 min
Delta R.T.: -0.016 min
Response: 2498294
Conc: 17.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.628 min
Delta R.T.: -0.014 min
Response: 2340388
Conc: 17.16 ug/ml



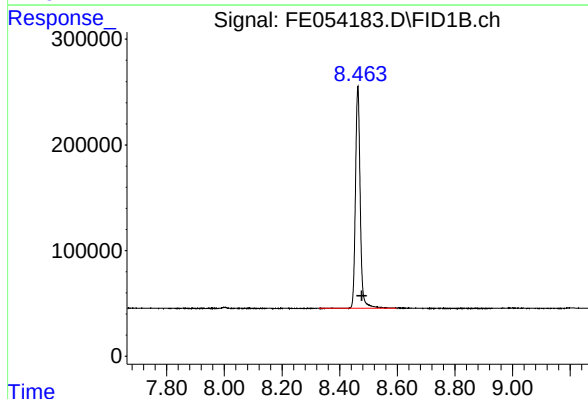
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.016 min
Response: 2478552
Conc: 17.87 ug/ml

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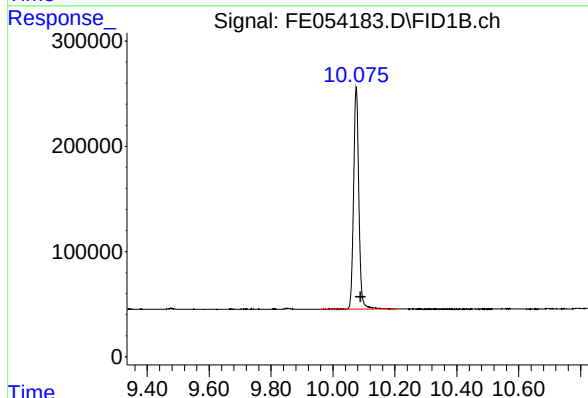
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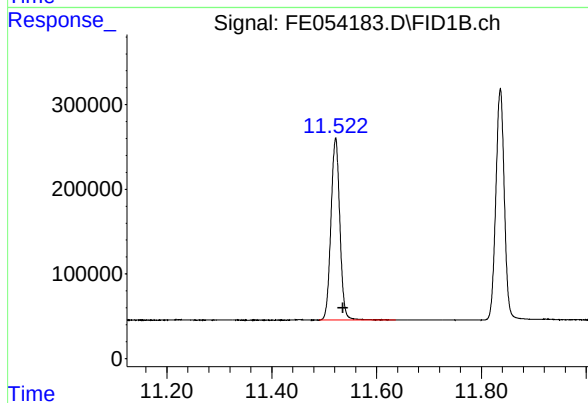
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: -0.014 min
Response: 2397680
Conc: 17.77 ug/ml



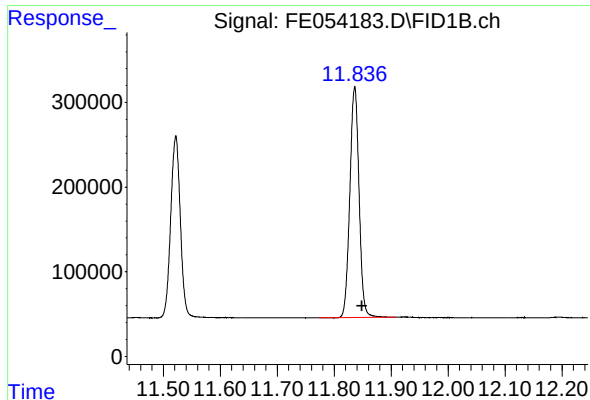
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: -0.015 min
Response: 2480979
Conc: 18.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.522 min
Delta R.T.: -0.014 min
Response: 2537844
Conc: 18.85 ug/ml



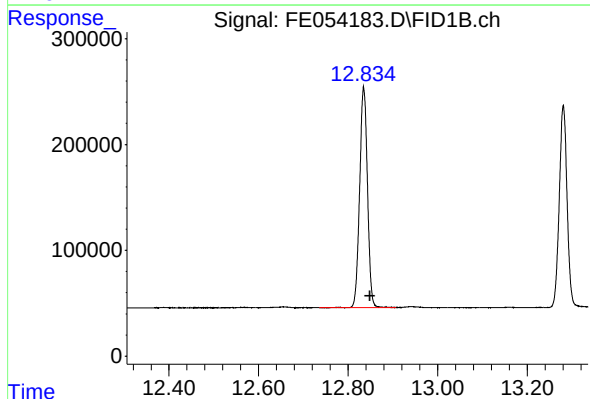
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.013 min
Response: 3063128
Conc: 18.85 ug/ml

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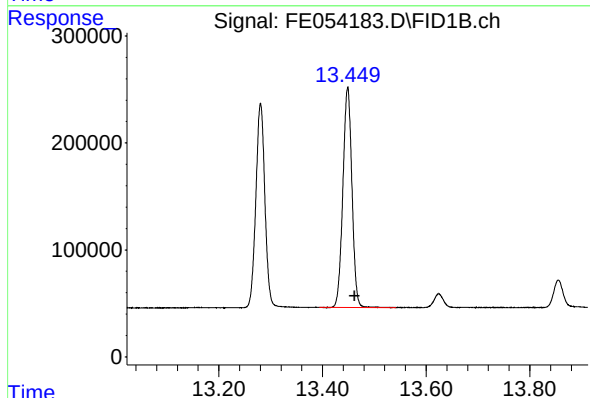
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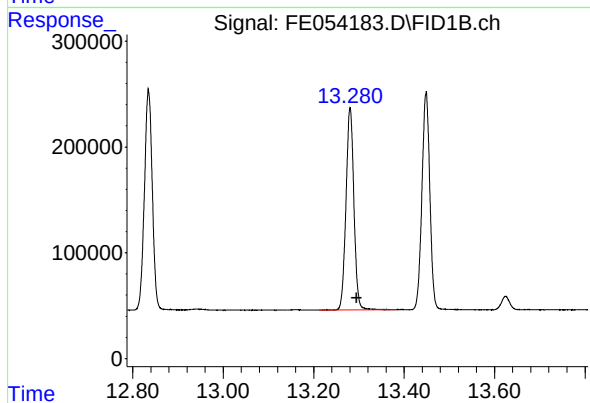
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.014 min
Response: 2523019
Conc: 19.20 ug/ml



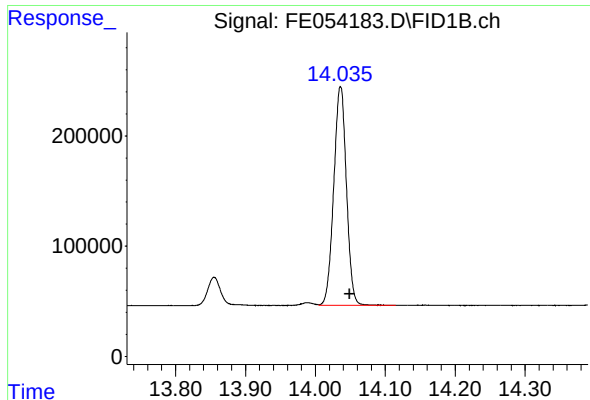
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.014 min
Response: 2501606
Conc: 19.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.014 min
Response: 2317890
Conc: 19.55 ug/ml



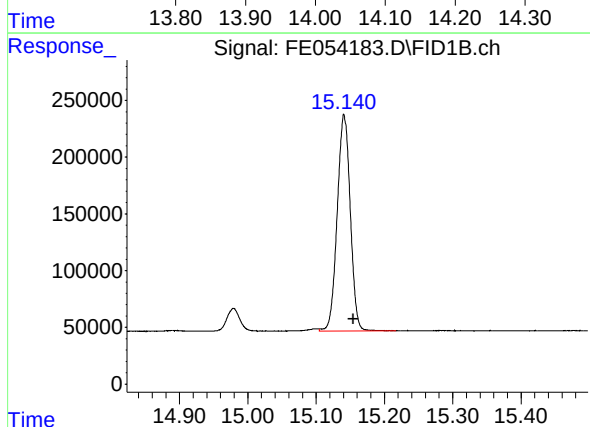
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.013 min
Response: 2508716
Conc: 19.66 ug/ml

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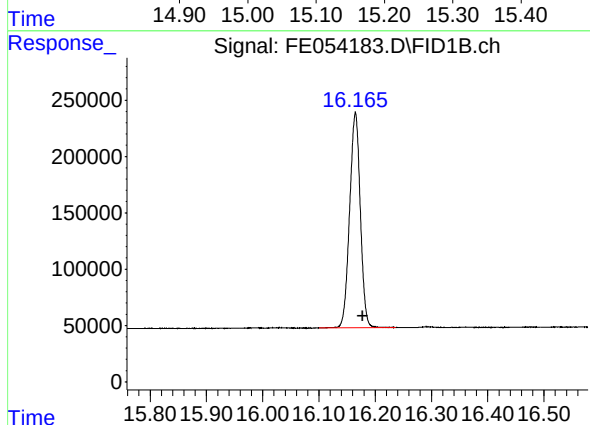
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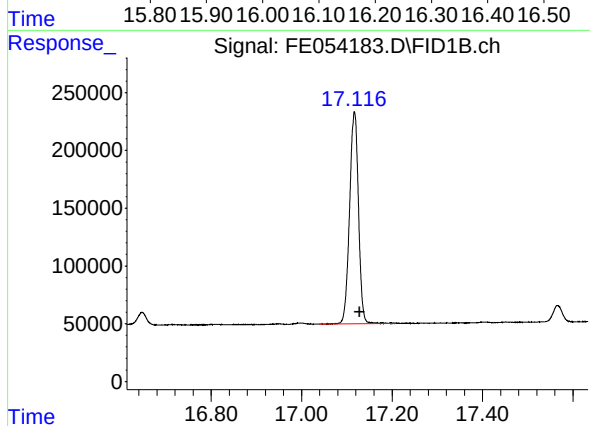
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.014 min
Response: 2536953
Conc: 20.28 ug/ml



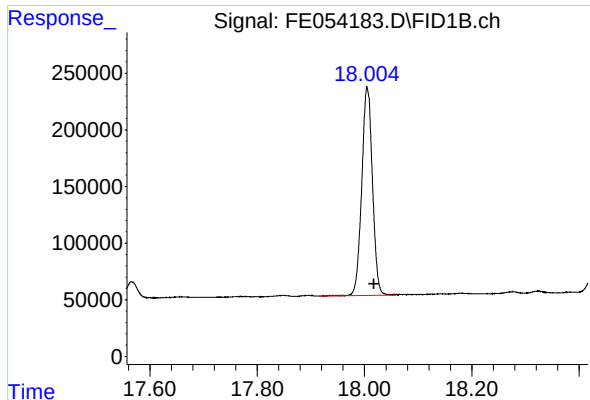
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.013 min
Response: 2522557
Conc: 20.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.012 min
Response: 2509912
Conc: 20.65 ug/ml



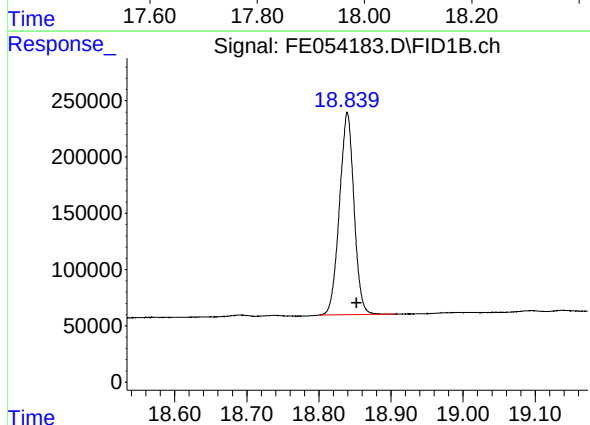
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: -0.013 min
Response: 2549764
Conc: 20.47 ug/ml

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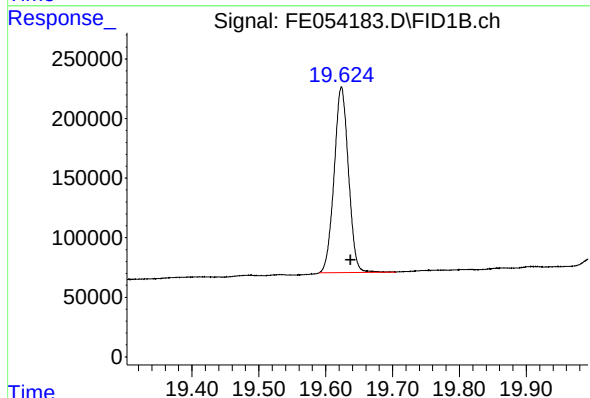
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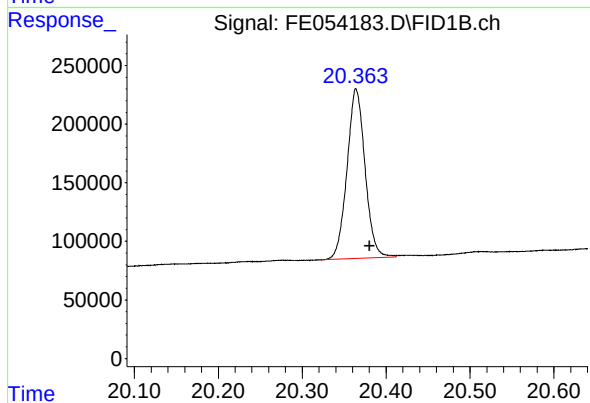
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.013 min
Response: 2525616
Conc: 20.20 ug/ml



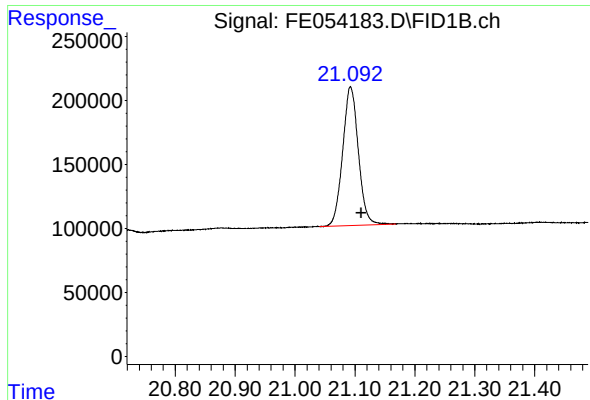
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: -0.014 min
Response: 2321320
Conc: 19.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.016 min
Response: 2164229
Conc: 18.69 ug/ml



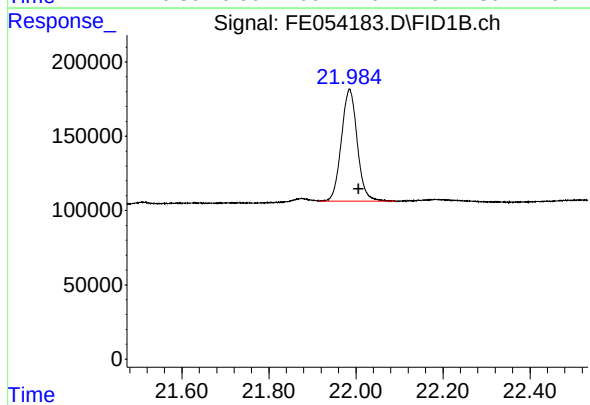
#21 n-Octatriacontane (C38)

R.T.: 21.093 min
Delta R.T.: -0.018 min
Response: 1967208
Conc: 18.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.985 min
Delta R.T.: -0.022 min
Response: 1912221
Conc: 19.27 ug/ml