

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060525AL\
 Data File : FE054193.D
 Signal(s) : FID1B.ch
 Acq On : 05 Jun 2025 15:42
 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 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 01:15:18 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)	11.835	3001731	18.471 ug/ml
Spiked Amount 50.000		Recovery =	36.94%
12) S 1-chlorooctadecane (S...	13.281	2255273	19.024 ug/ml
Spiked Amount 50.000		Recovery =	38.05%
Target Compounds			
1) T n-Nonane (C9)	3.184	2200934	16.285 ug/ml
2) T n-Decane (C10)	4.447	2265565	16.766 ug/ml
3) T A~Naphthalene (C11.7)	6.162	2505454	17.434 ug/ml
4) T n-Dodecane (C12)	6.628	2375171	17.413 ug/ml
5) T A~2-methylnaphthalene...	7.264	2475139	17.844 ug/ml
6) T n-Tetradecane (C14)	8.463	2408218	17.845 ug/ml
7) T n-Hexadecane (C16)	10.075	2470117	18.306 ug/ml
8) T n-Octadecane (C18)	11.521	2491530	18.502 ug/ml
10) T n-Eicosane (C20)	12.835	2469034	18.786 ug/ml
11) T n-Heneicosane (C21)	13.448	2440422	18.824 ug/ml
13) T n-Docosane (C22)	14.036	2450957	19.212 ug/ml
14) T n-Tetracosane (C24)	15.142	2473067	19.766 ug/mlm
15) T n-Hexacosane (C26)	16.164	2469129	20.164 ug/ml
16) T n-Octacosane (C28)	17.116	2468829	20.309 ug/ml
17) T n-Tricontane (C30)	18.005	2553316	20.498 ug/ml
18) T n-Dotriacontane (C32)	18.839	2557671	20.452 ug/ml
19) T n-Tetratriacontane (C34)	19.624	2347156	19.704 ug/ml
20) T n-Hexatriacontane (C36)	20.366	2202109	19.019 ug/ml
21) T n-Octatriacontane (C38)	21.094	1967393	18.078 ug/ml
22) T n-Tetracontane (C40)	21.986	1903137	19.179 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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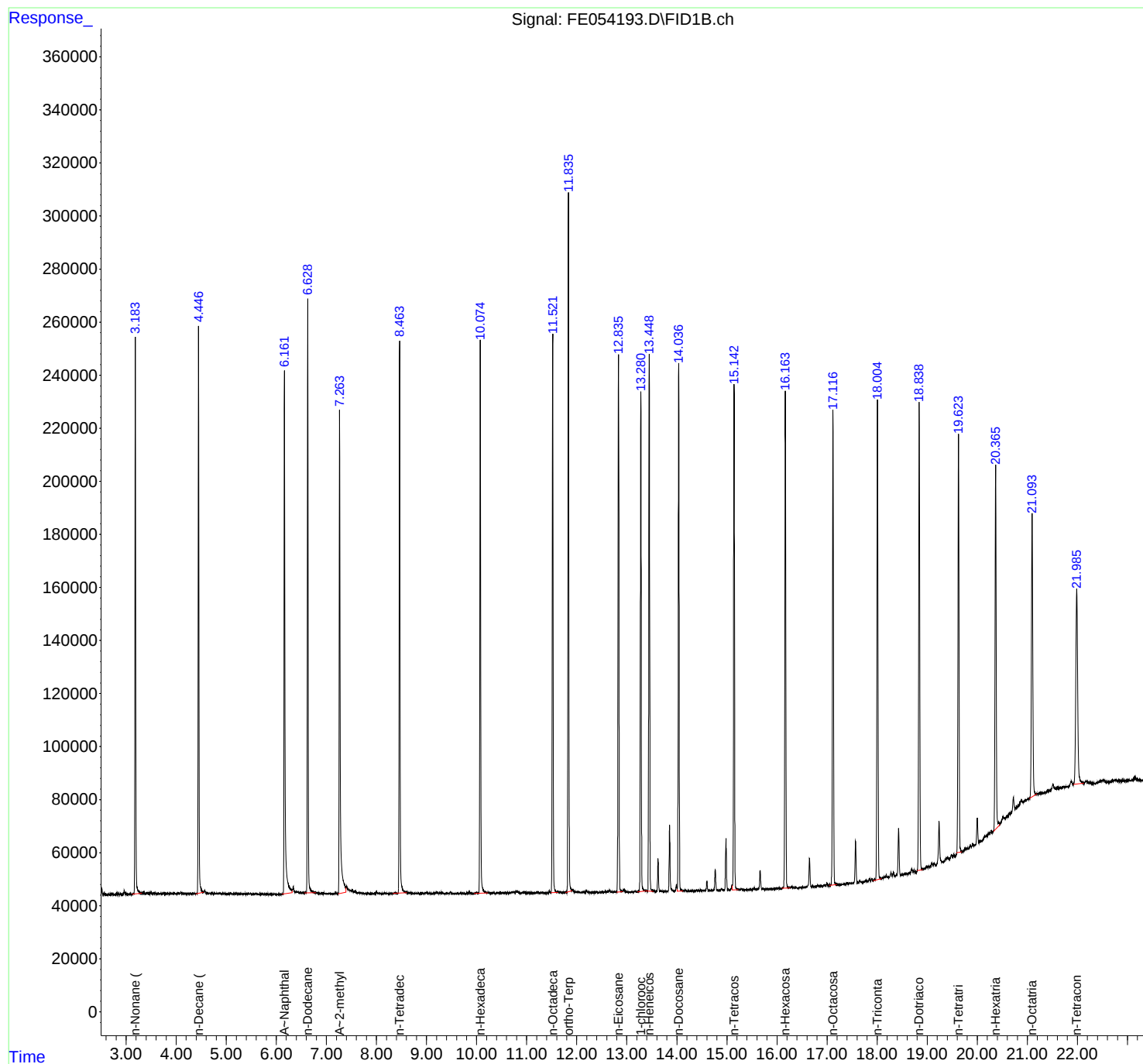
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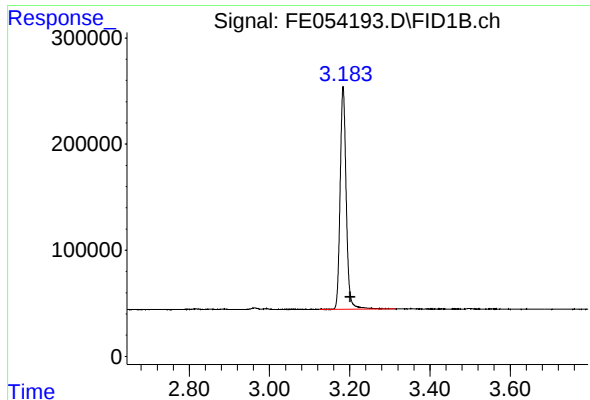
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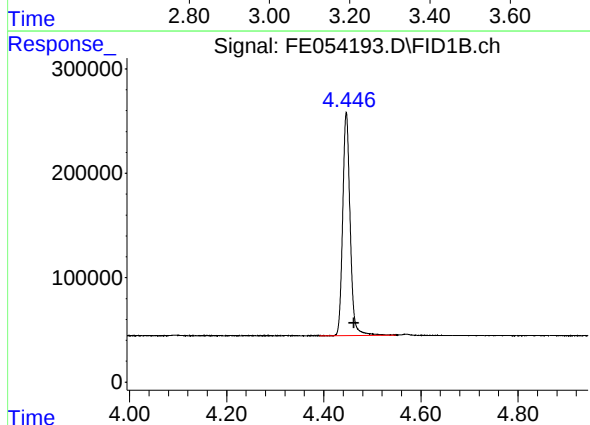
#1 n-Nonane (C9)

R.T.: 3.184 min
Delta R.T.: -0.018 min
Response: 2200934
Conc: 16.28 ug/ml

Instrument :
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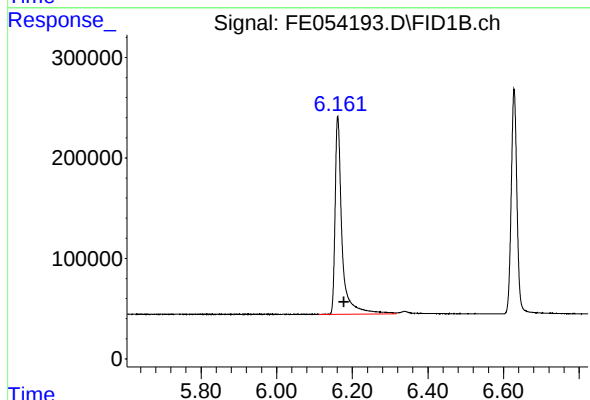
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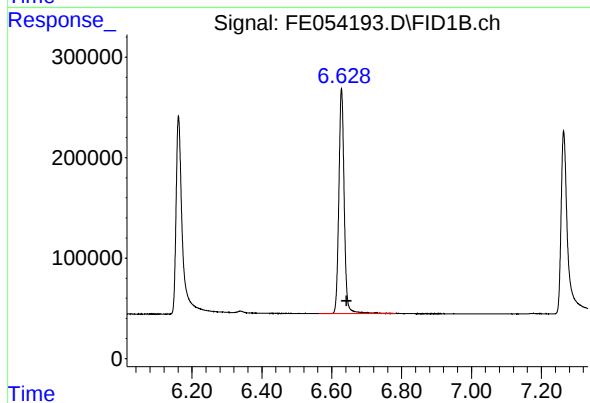
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.016 min
Response: 2265565
Conc: 16.77 ug/ml



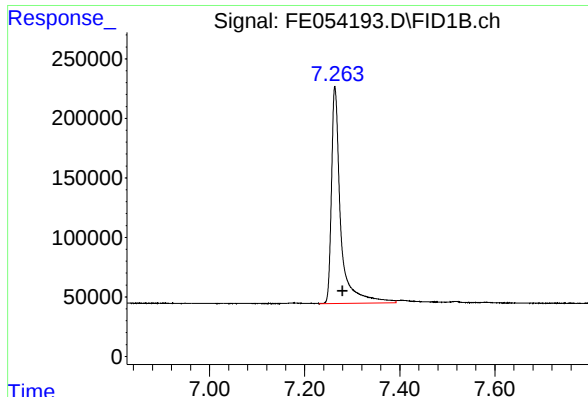
#3 A~Naphthalene (C11.7)

R.T.: 6.162 min
Delta R.T.: -0.016 min
Response: 2505454
Conc: 17.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.628 min
Delta R.T.: -0.014 min
Response: 2375171
Conc: 17.41 ug/ml



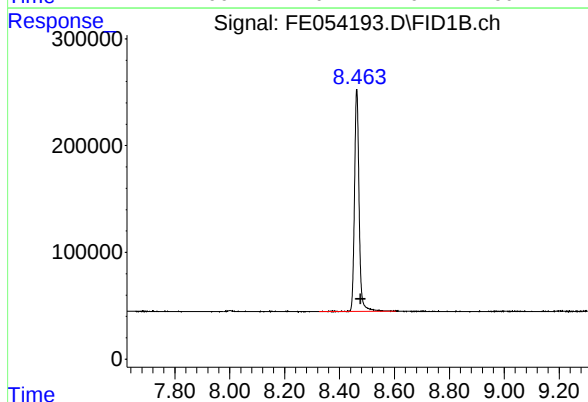
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.016 min
Response: 2475139
Conc: 17.84 ug/ml

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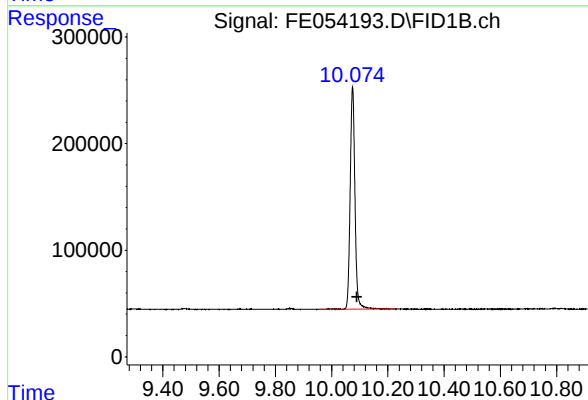
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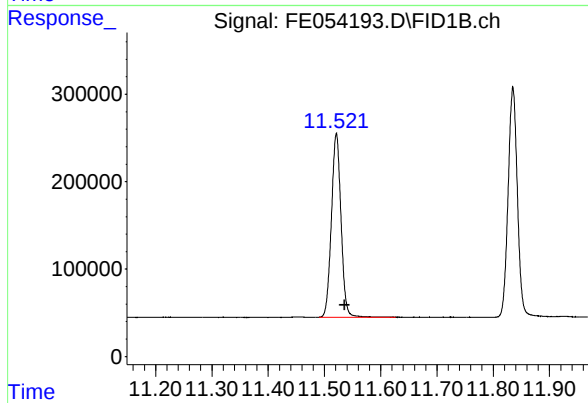
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: -0.014 min
Response: 2408218
Conc: 17.85 ug/ml



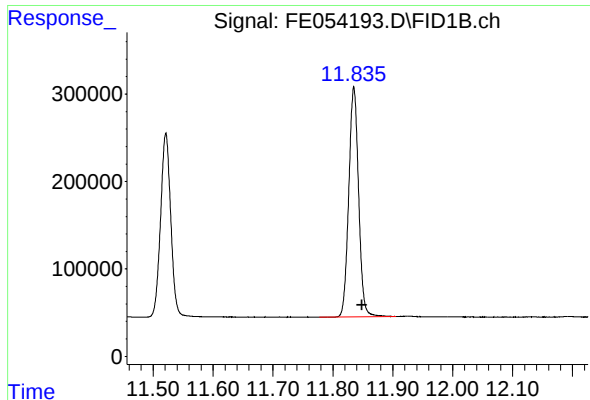
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: -0.015 min
Response: 2470117
Conc: 18.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.015 min
Response: 2491530
Conc: 18.50 ug/ml



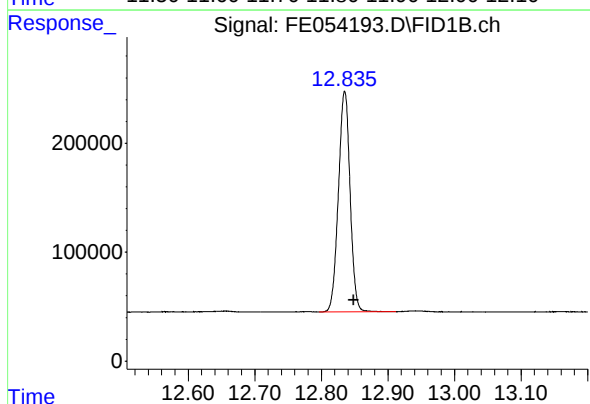
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.014 min
Response: 3001731
Conc: 18.47 ug/ml

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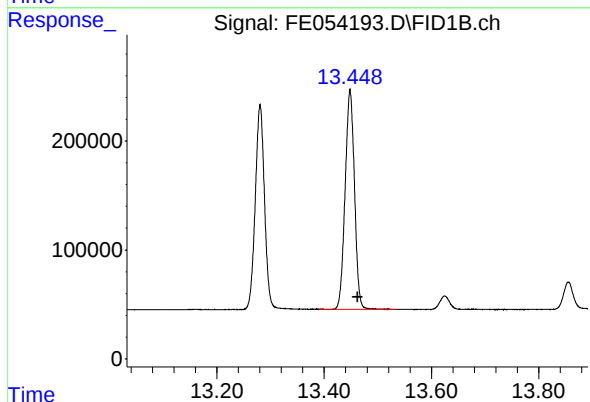
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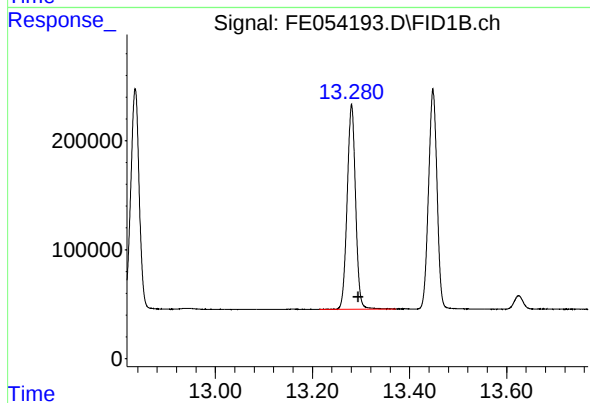
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.014 min
Response: 2469034
Conc: 18.79 ug/ml



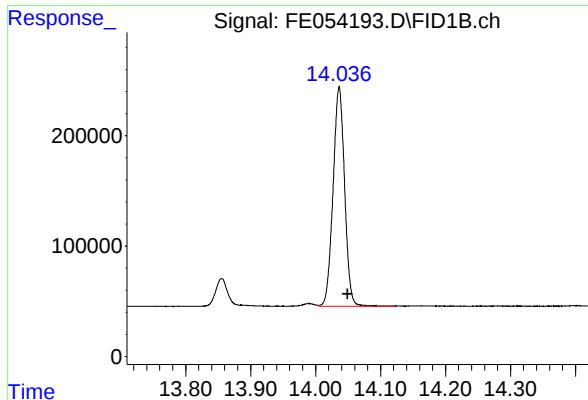
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: -0.014 min
Response: 2440422
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.014 min
Response: 2255273
Conc: 19.02 ug/ml



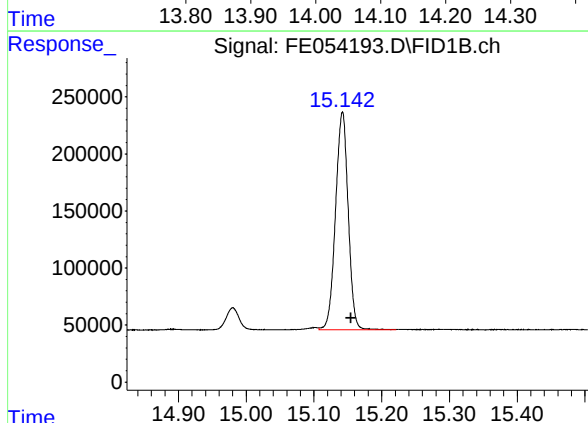
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.013 min
Response: 2450957
Conc: 19.21 ug/ml

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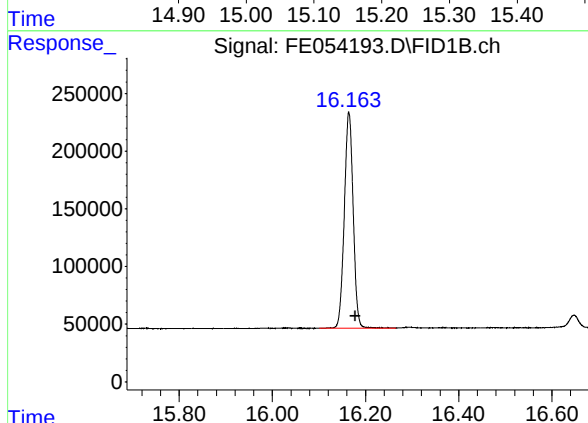
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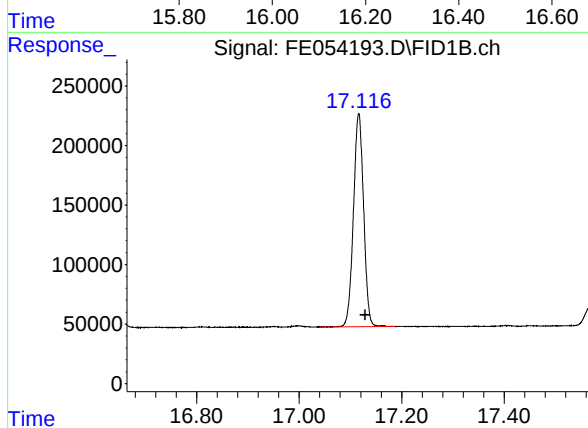
#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.013 min
Response: 2473067
Conc: 19.77 ug/ml m



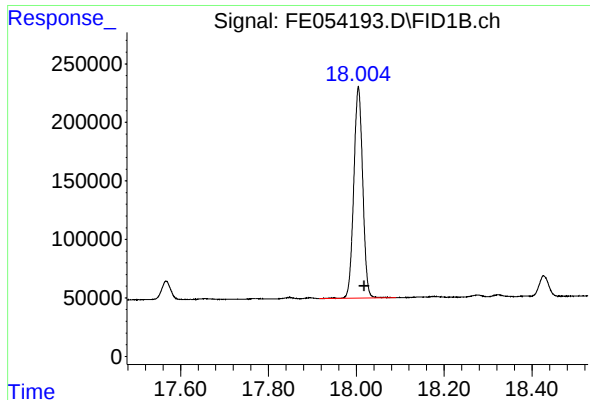
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: -0.013 min
Response: 2469129
Conc: 20.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: -0.012 min
Response: 2468829
Conc: 20.31 ug/ml



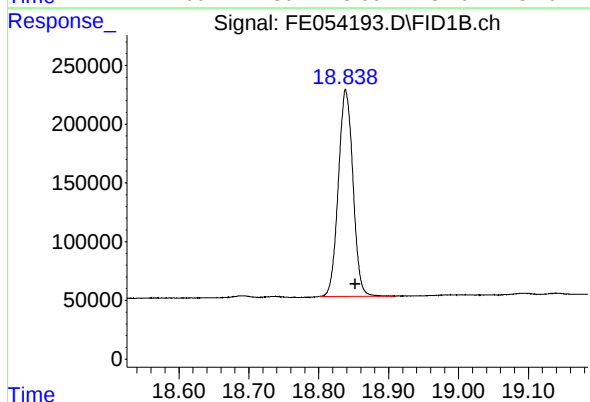
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: -0.013 min
Response: 2553316
Conc: 20.50 ug/ml

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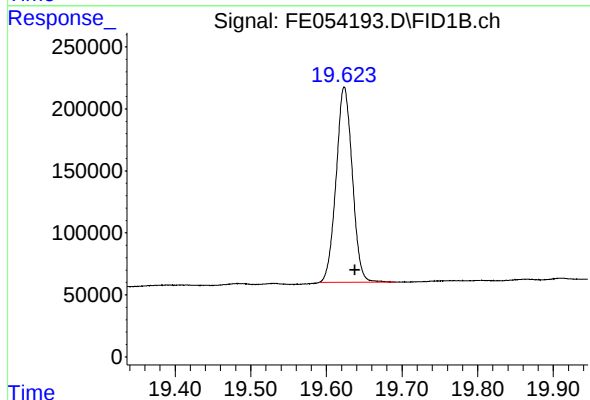
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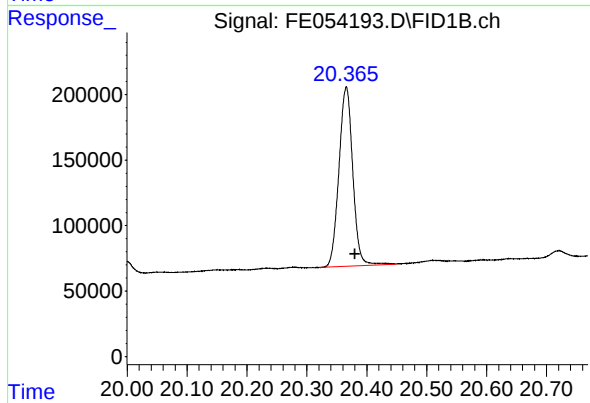
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.013 min
Response: 2557671
Conc: 20.45 ug/ml



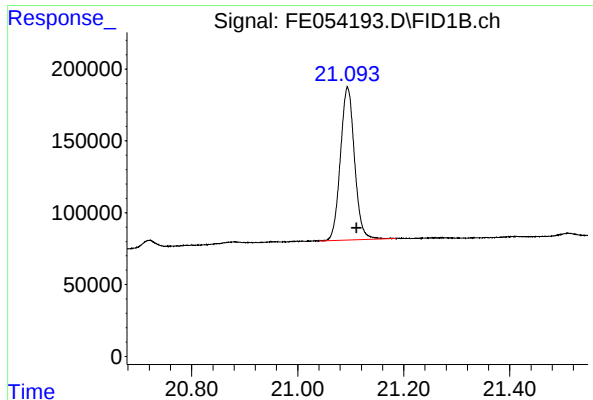
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: -0.014 min
Response: 2347156
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.366 min
Delta R.T.: -0.015 min
Response: 2202109
Conc: 19.02 ug/ml



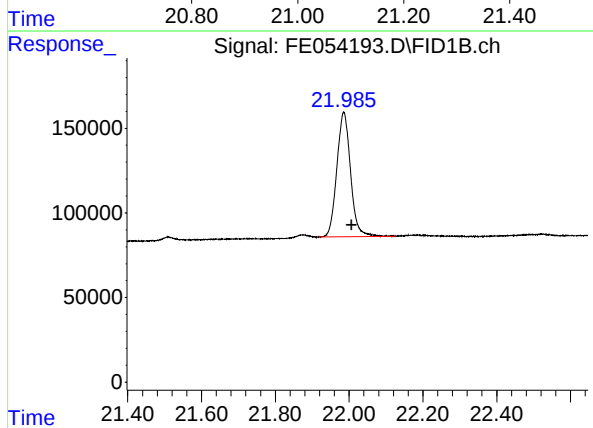
#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: -0.017 min
Response: 1967393
Conc: 18.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.986 min
Delta R.T.: -0.021 min
Response: 1903137
Conc: 19.18 ug/ml