

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054714.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 20:35
 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 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 08 03:55:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.080	2964443	18.255 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
12) S 1-chlorooctadecane (S...	13.517	2259273	17.889 ug/ml
Spiked Amount 50.000		Recovery =	35.78%
Target Compounds			
1) T n-Nonane (C9)	3.422	2610456	19.407 ug/ml
2) T n-Decane (C10)	4.679	2666956	19.545 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2957694	19.534 ug/ml
4) T n-Dodecane (C12)	6.854	2703947	19.707 ug/ml
5) T A~2-methylnaphthalene...	7.497	2865104	19.490 ug/ml
6) T n-Tetradecane (C14)	8.691	2709478	19.545 ug/ml
7) T n-Hexadecane (C16)	10.306	2757341	19.348 ug/ml
8) T n-Octadecane (C18)	11.755	2749895	18.764 ug/ml
10) T n-Eicosane (C20)	13.069	2608676	18.142 ug/ml
11) T n-Heneicosane (C21)	13.683	2551625	17.864 ug/ml
13) T n-Docosane (C22)	14.272	2519010	17.642 ug/ml
14) T n-Tetracosane (C24)	15.377	2488855	17.121 ug/ml
15) T n-Hexacosane (C26)	16.401	2435529	16.830 ug/ml
16) T n-Octacosane (C28)	17.353	2396385	16.443 ug/ml
17) T n-Tricontane (C30)	18.242	2552151	16.196 ug/mlm
18) T n-Dotriacontane (C32)	19.074	2592263	16.023 ug/mlm
19) T n-Tetratriacontane (C34)	19.862	2491346	16.348 ug/mlm
20) T n-Hexatriacontane (C36)	20.601	2205568	16.404 ug/mlm
21) T n-Octatriacontane (C38)	21.382	2237488	19.078 ug/ml
22) T n-Tetracontane (C40)	22.373	2077739	19.170 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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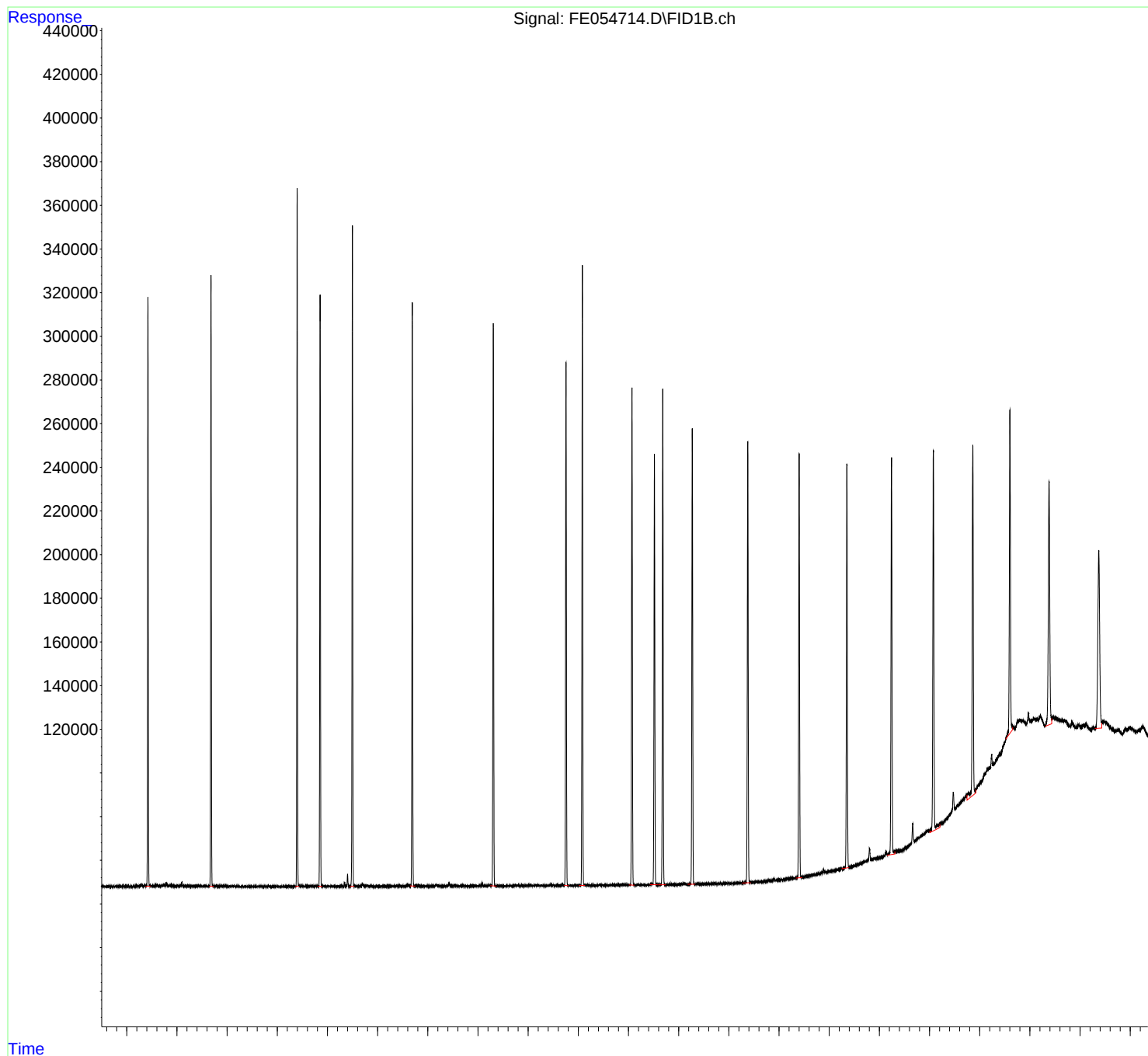
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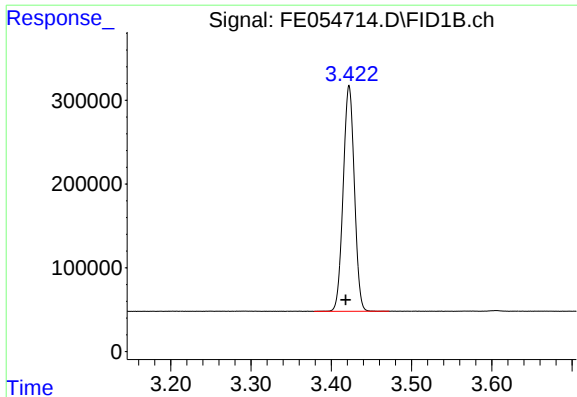
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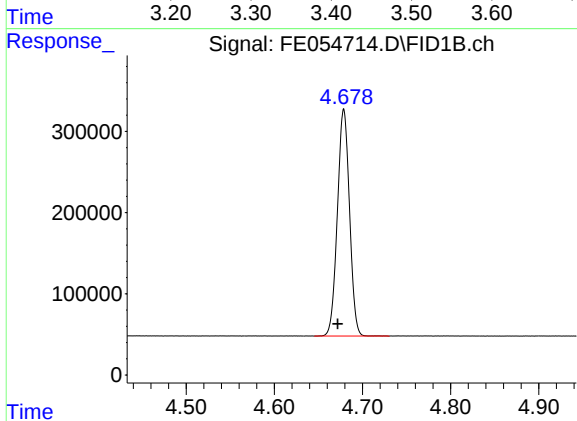
#1 n-Nonane (C9)

R.T.: 3.422 min
Delta R.T.: 0.004 min
Response: 2610456
Conc: 19.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

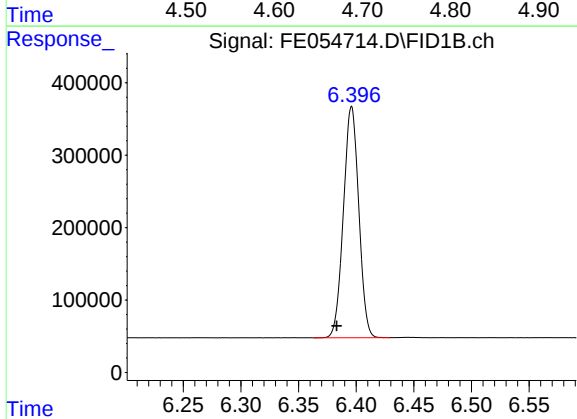
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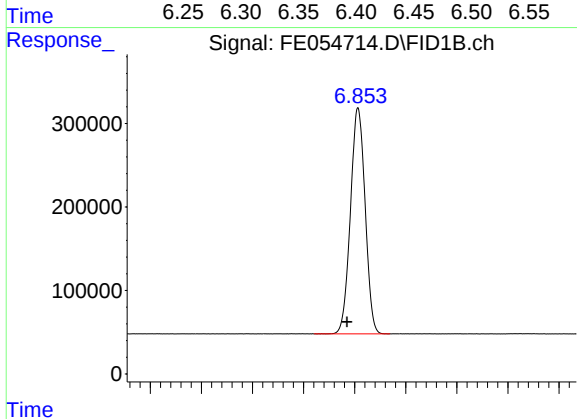
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.007 min
Response: 2666956
Conc: 19.55 ug/ml



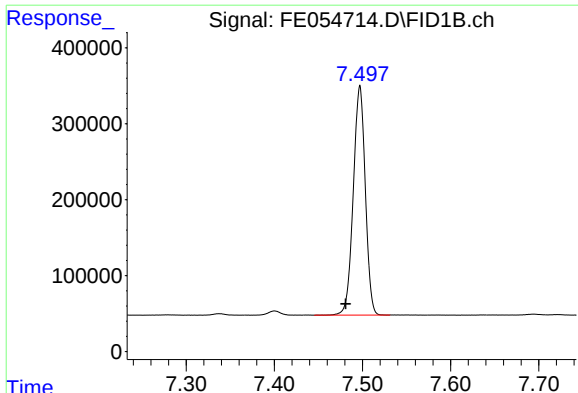
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.013 min
Response: 2957694
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.854 min
Delta R.T.: 0.011 min
Response: 2703947
Conc: 19.71 ug/ml



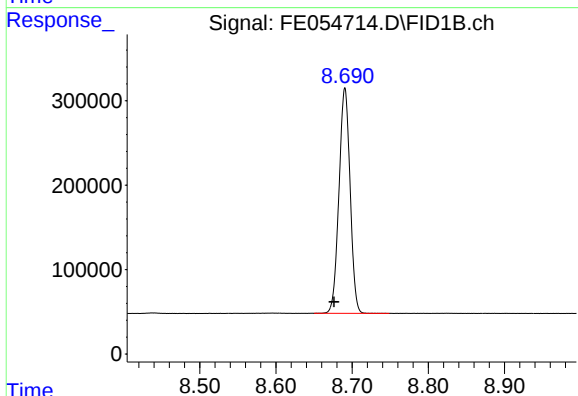
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.497 min
Delta R.T.: 0.016 min
Response: 2865104
Conc: 19.49 ug/ml

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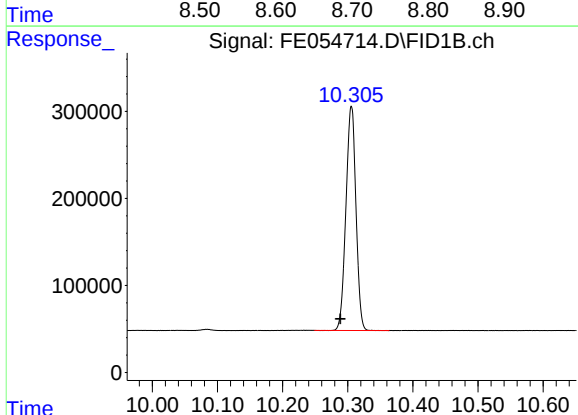
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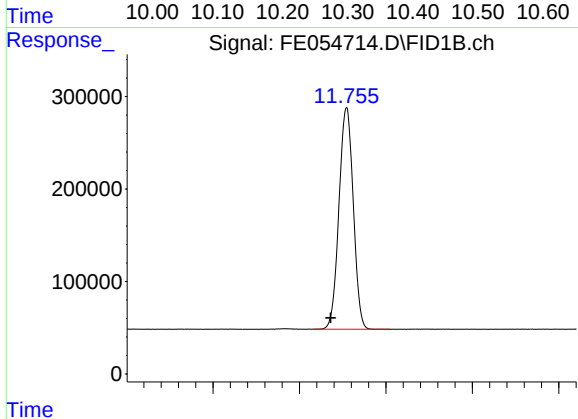
#6 n-Tetradecane (C14)

R.T.: 8.691 min
Delta R.T.: 0.014 min
Response: 2709478
Conc: 19.55 ug/ml



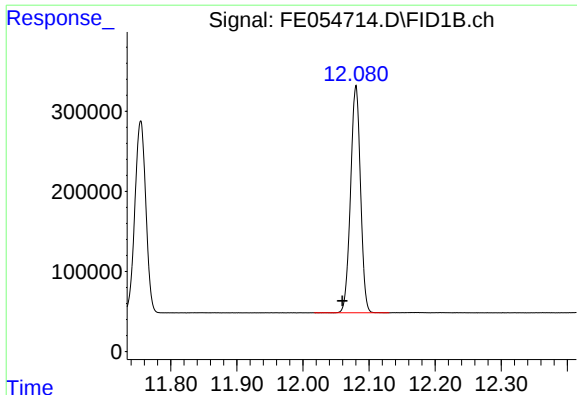
#7 n-Hexadecane (C16)

R.T.: 10.306 min
Delta R.T.: 0.017 min
Response: 2757341
Conc: 19.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.755 min
Delta R.T.: 0.018 min
Response: 2749895
Conc: 18.76 ug/ml



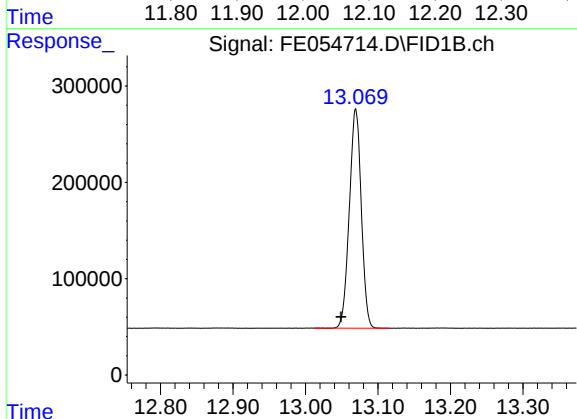
#9 ortho-Terphenyl (SURR)

R.T.: 12.080 min
Delta R.T.: 0.020 min
Response: 2964443
Conc: 18.25 ug/ml

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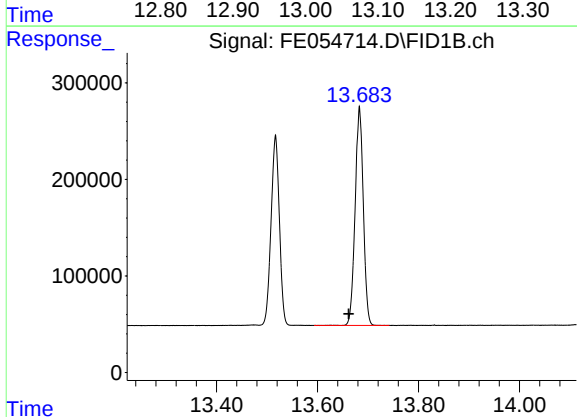
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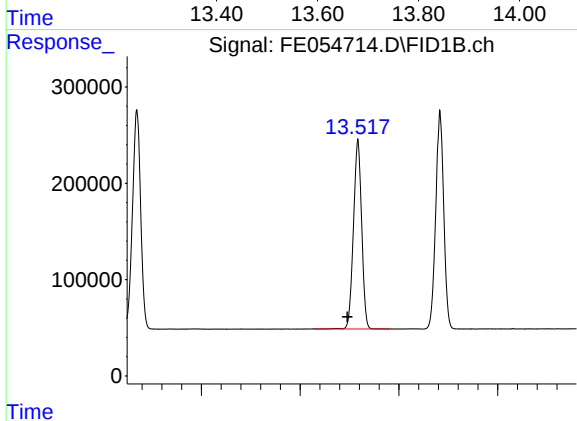
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: 0.020 min
Response: 2608676
Conc: 18.14 ug/ml



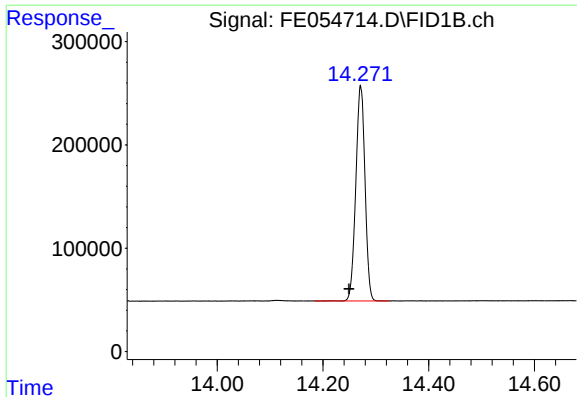
#11 n-Heneicosane (C21)

R.T.: 13.683 min
Delta R.T.: 0.021 min
Response: 2551625
Conc: 17.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: 0.021 min
Response: 2259273
Conc: 17.89 ug/ml



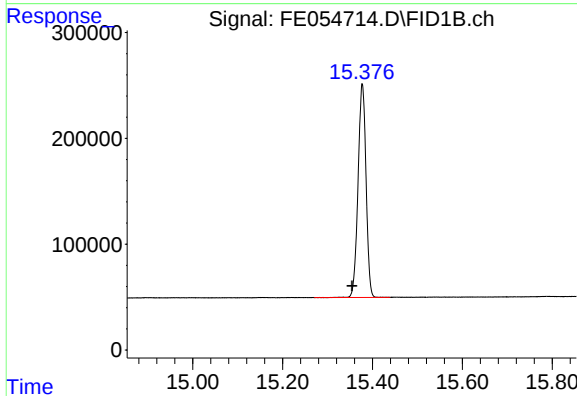
#13 n-Docosane (C22)

R.T.: 14.272 min
Delta R.T.: 0.022 min
Response: 2519010
Conc: 17.64 ug/ml

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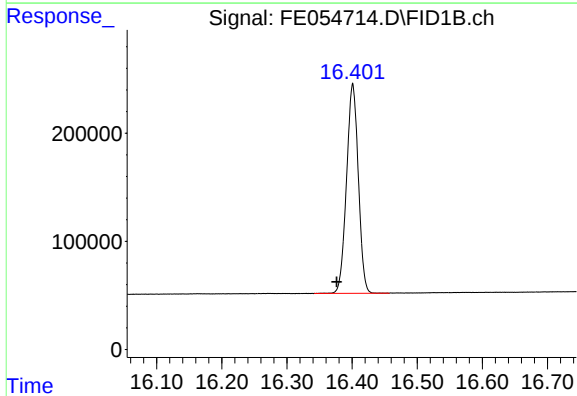
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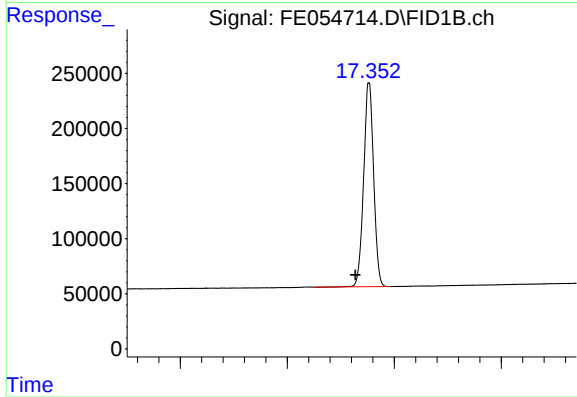
#14 n-Tetracosane (C24)

R.T.: 15.377 min
Delta R.T.: 0.023 min
Response: 2488855
Conc: 17.12 ug/ml



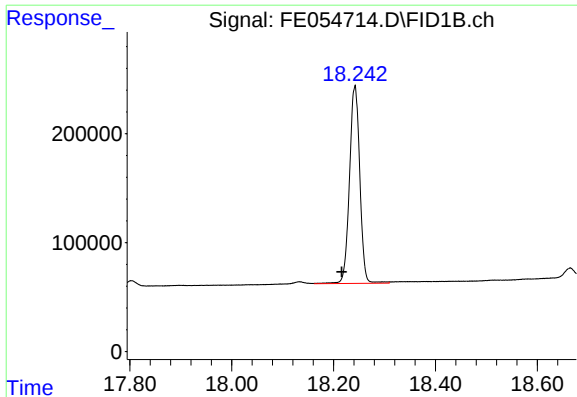
#15 n-Hexacosane (C26)

R.T.: 16.401 min
Delta R.T.: 0.025 min
Response: 2435529
Conc: 16.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.353 min
Delta R.T.: 0.025 min
Response: 2396385
Conc: 16.44 ug/ml



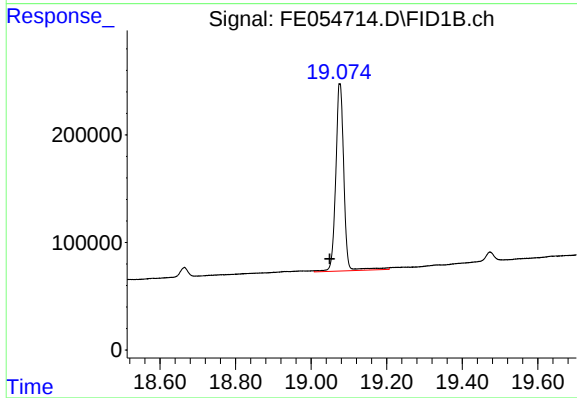
#17 n-Tricontane (C30)

R.T.: 18.242 min
Delta R.T.: 0.026 min
Response: 2552151
Conc: 16.20 ug/ml

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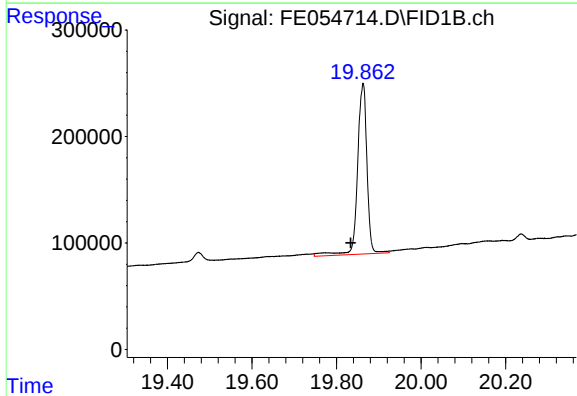
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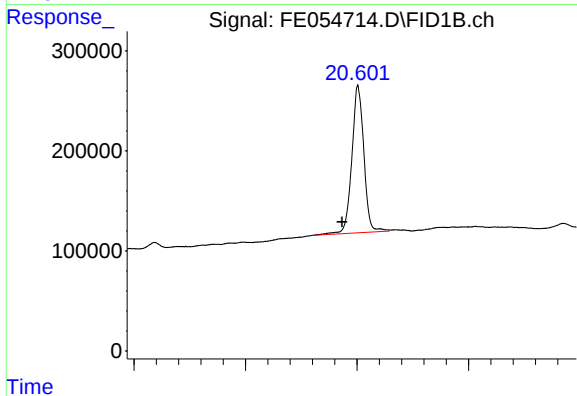
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.025 min
Response: 2592263
Conc: 16.02 ug/ml m



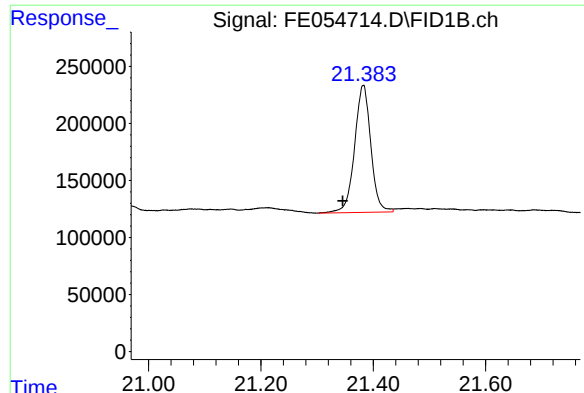
#19 n-Tetratriacontane (C34)

R.T.: 19.862 min
Delta R.T.: 0.029 min
Response: 2491346
Conc: 16.35 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.601 min
Delta R.T.: 0.028 min
Response: 2205568
Conc: 16.40 ug/ml m



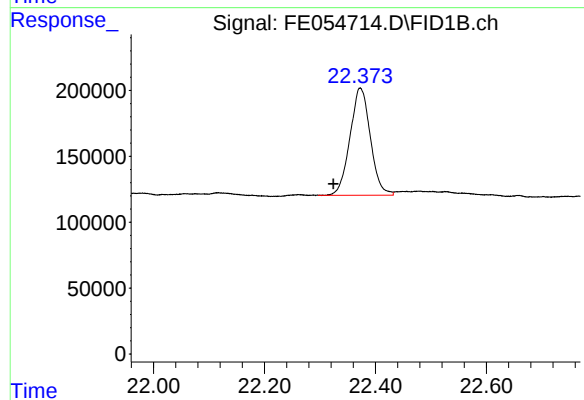
#21 n-Octatriacontane (C38)

R.T.: 21.382 min
Delta R.T.: 0.036 min
Response: 2237488
Conc: 19.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.373 min
Delta R.T.: 0.049 min
Response: 2077739
Conc: 19.17 ug/ml