

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042825AL\
 Data File : FE053544.D
 Signal(s) : FID1B.ch
 Acq On : 28 Apr 2025 12:13
 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 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 29 03:23:00 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)	11.873	3611665	20.025 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
12) S 1-chlorooctadecane (S...	13.318	2615300	19.347 ug/ml
Spiked Amount 50.000		Recovery =	38.69%
Target Compounds			
1) T n-Nonane (C9)	3.218	2780753	20.282 ug/ml
2) T n-Decane (C10)	4.480	2873033	20.769 ug/ml
3) T A~Naphthalene (C11.7)	6.193	3174242	21.029 ug/ml
4) T n-Dodecane (C12)	6.661	2924812	20.854 ug/ml
5) T A~2-methylnaphthalene...	7.296	3161701	21.176 ug/ml
6) T n-Tetradecane (C14)	8.496	2932779	20.905 ug/ml
7) T n-Hexadecane (C16)	10.109	2964676	20.685 ug/ml
8) T n-Octadecane (C18)	11.557	2931851	20.118 ug/ml
10) T n-Eicosane (C20)	12.872	2909489	19.995 ug/ml
11) T n-Heneicosane (C21)	13.485	2874715	19.847 ug/ml
13) T n-Docosane (C22)	14.073	2848800	19.742 ug/ml
14) T n-Tetracosane (C24)	15.179	2812560	19.581 ug/ml
15) T n-Hexacosane (C26)	16.202	2764516	19.519 ug/ml
16) T n-Octacosane (C28)	17.155	2770095	19.911 ug/ml
17) T n-Tricontane (C30)	18.045	2892317	20.779 ug/ml
18) T n-Dotriacontane (C32)	18.880	2894749	21.082 ug/ml
19) T n-Tetratriacontane (C34)	19.666	2667723	20.475 ug/ml
20) T n-Hexatriacontane (C36)	20.408	2547335	20.178 ug/ml
21) T n-Octatriacontane (C38)	21.144	2429986	19.946 ug/ml
22) T n-Tetracontane (C40)	22.050	2368625	19.834 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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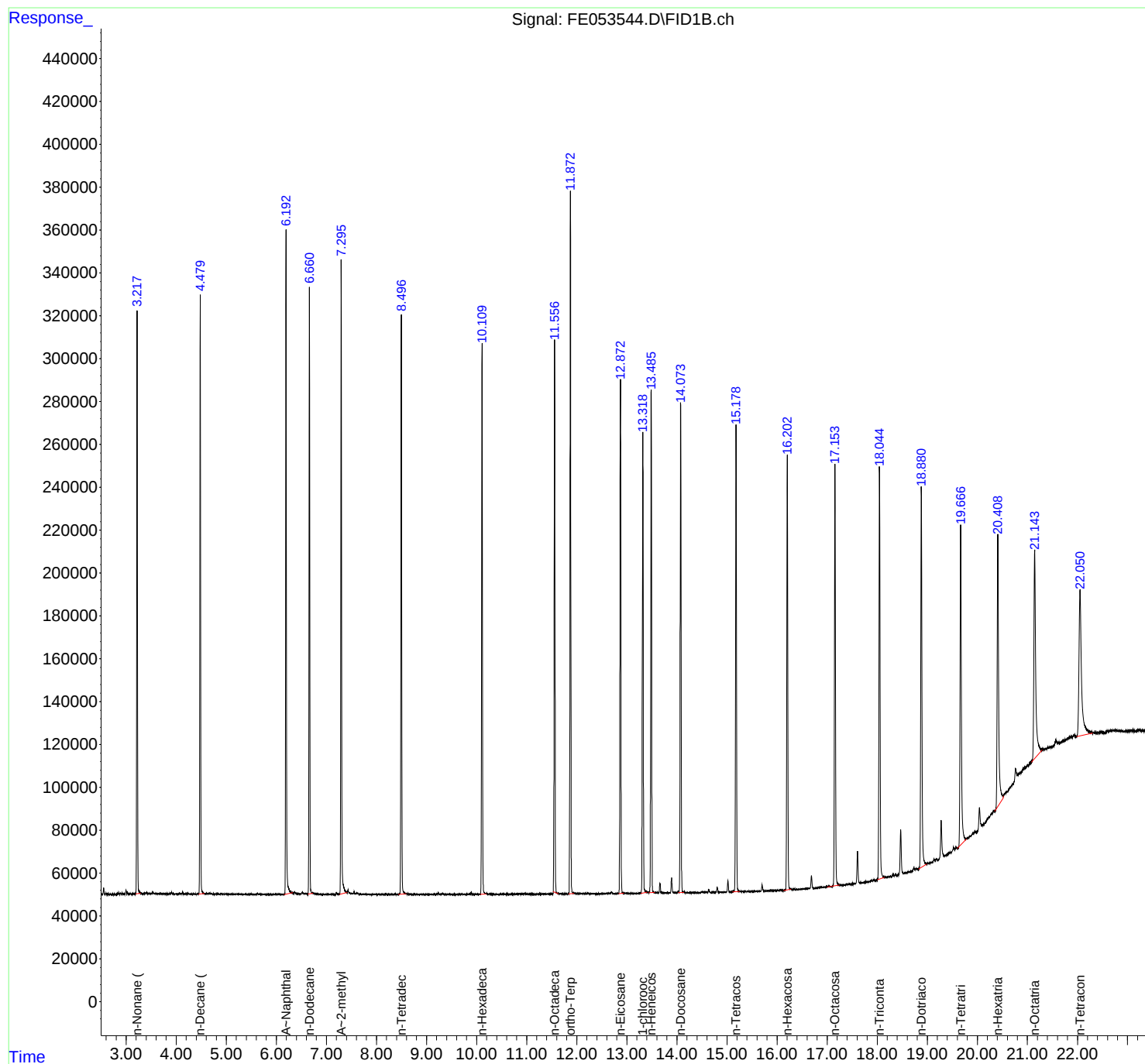
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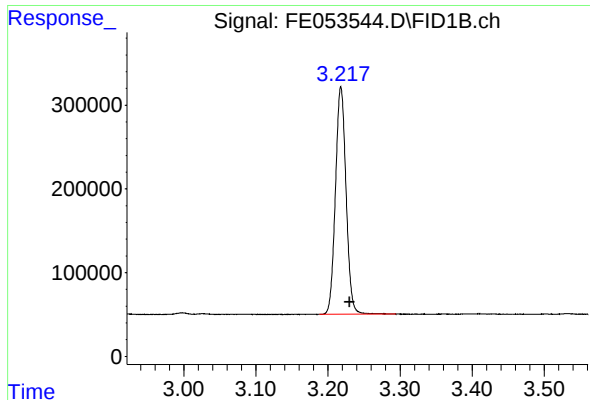
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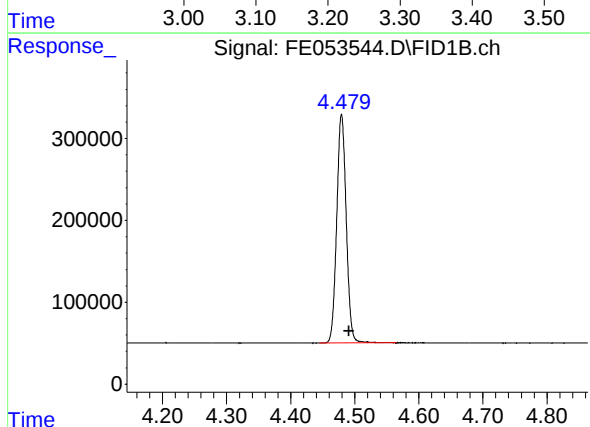
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.012 min
Response: 2780753
Conc: 20.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

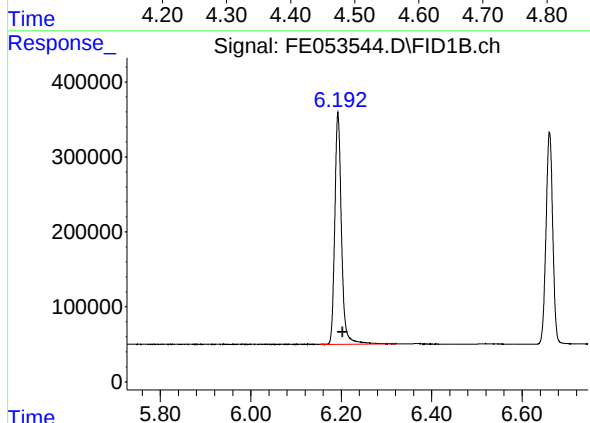
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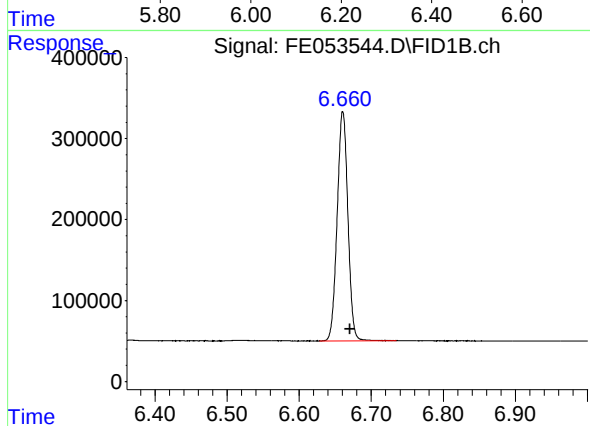
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.011 min
Response: 2873033
Conc: 20.77 ug/ml



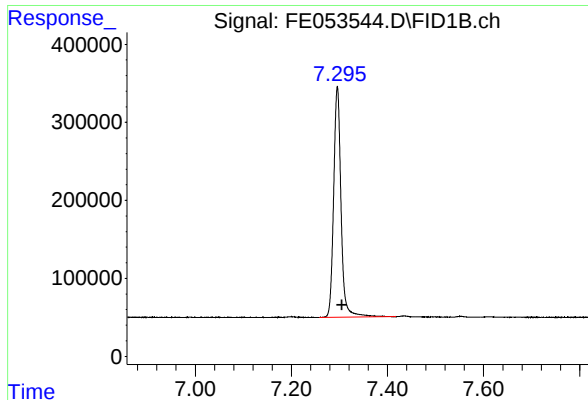
#3 A~Naphthalene (C11.7)

R.T.: 6.193 min
Delta R.T.: -0.010 min
Response: 3174242
Conc: 21.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.010 min
Response: 2924812
Conc: 20.85 ug/ml



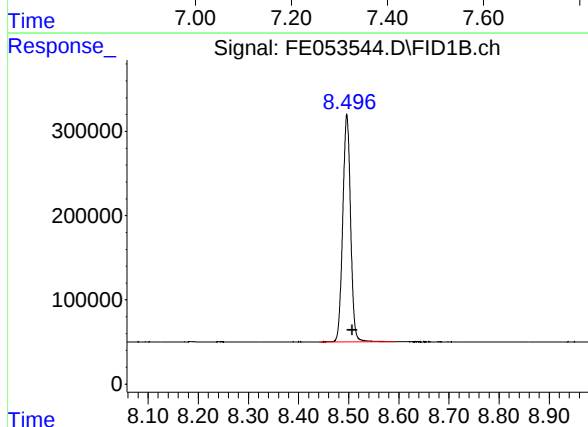
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.296 min
Delta R.T.: -0.010 min
Response: 3161701
Conc: 21.18 ug/ml

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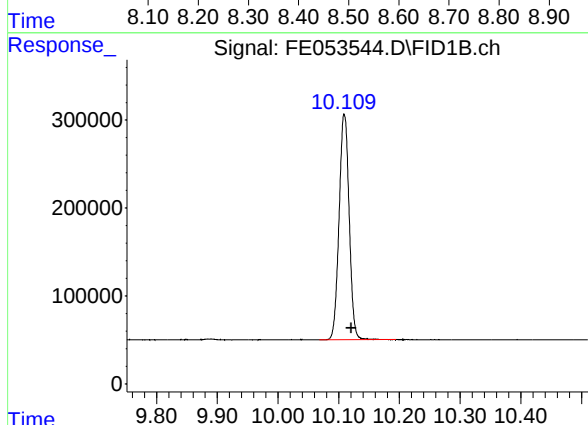
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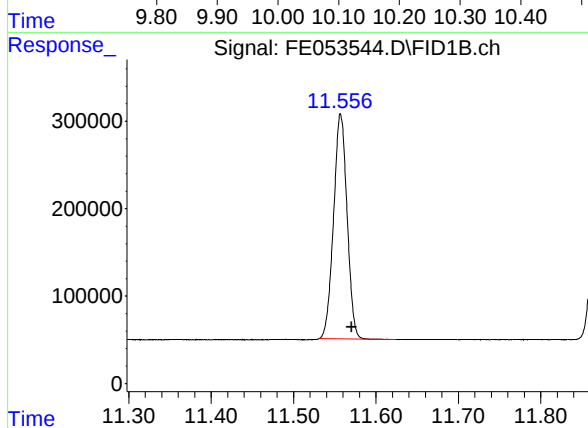
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: -0.011 min
Response: 2932779
Conc: 20.91 ug/ml



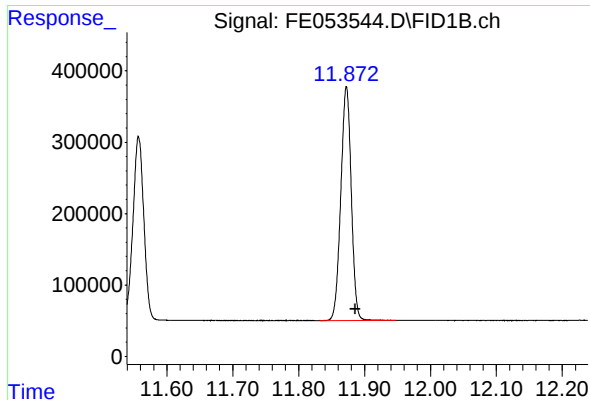
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.012 min
Response: 2964676
Conc: 20.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.014 min
Response: 2931851
Conc: 20.12 ug/ml



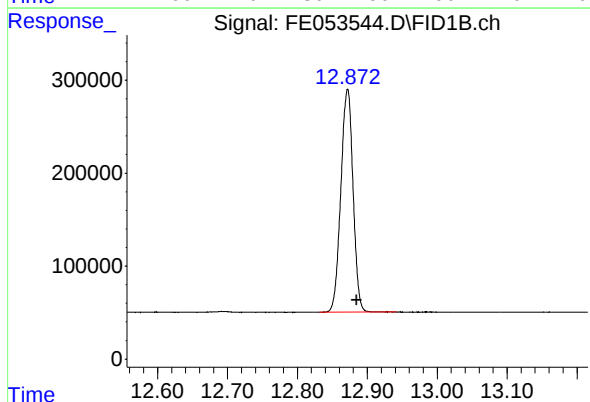
#9 ortho-Terphenyl (SURR)

R.T.: 11.873 min
Delta R.T.: -0.013 min
Response: 3611665
Conc: 20.02 ug/ml

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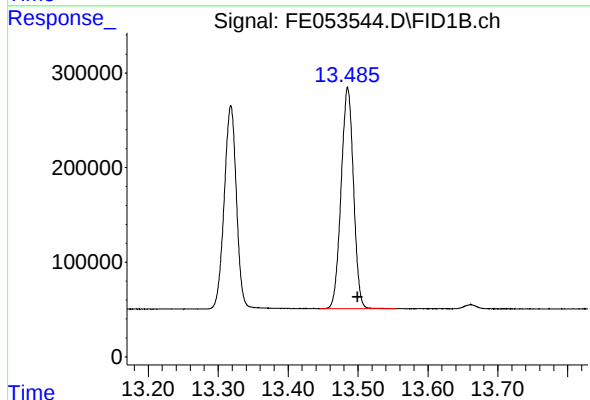
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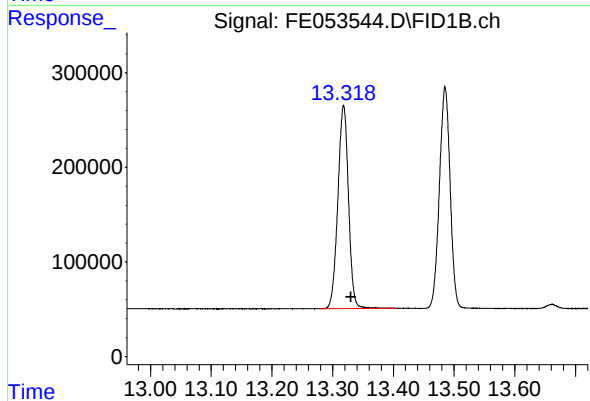
#10 n-Eicosane (C20)

R.T.: 12.872 min
Delta R.T.: -0.013 min
Response: 2909489
Conc: 19.99 ug/ml



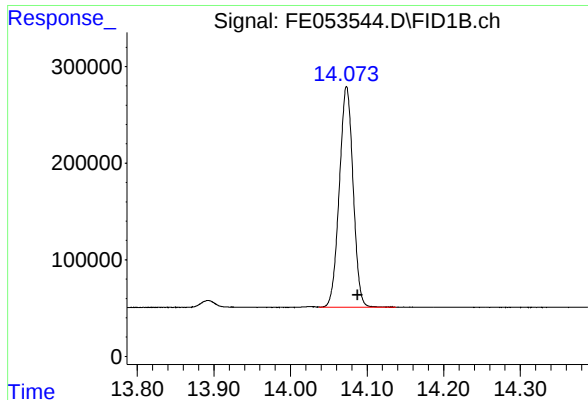
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.014 min
Response: 2874715
Conc: 19.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.012 min
Response: 2615300
Conc: 19.35 ug/ml



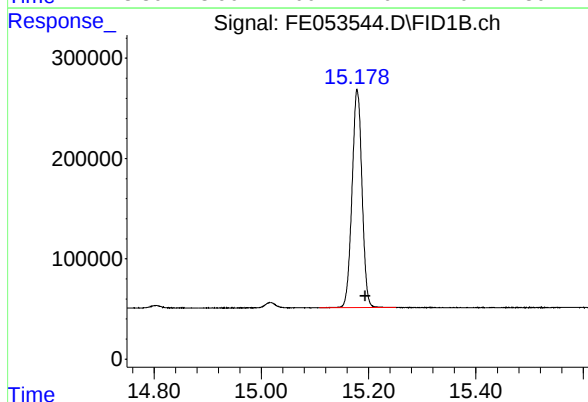
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.014 min
Response: 2848800
Conc: 19.74 ug/ml

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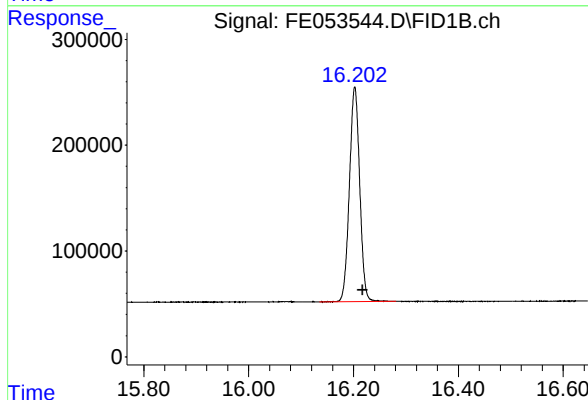
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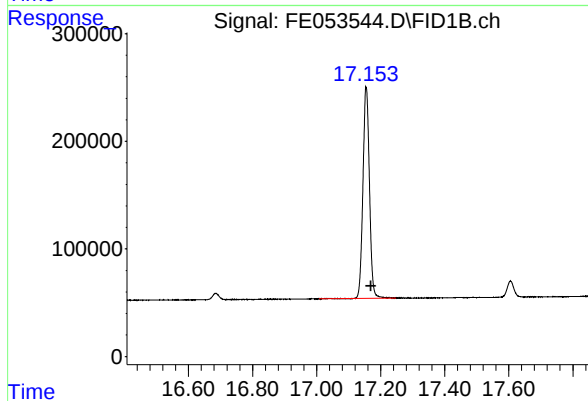
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.015 min
Response: 2812560
Conc: 19.58 ug/ml



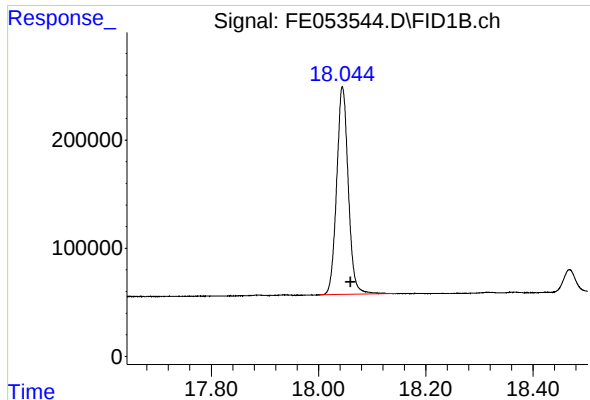
#15 n-Hexacosane (C26)

R.T.: 16.202 min
Delta R.T.: -0.015 min
Response: 2764516
Conc: 19.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: -0.015 min
Response: 2770095
Conc: 19.91 ug/ml



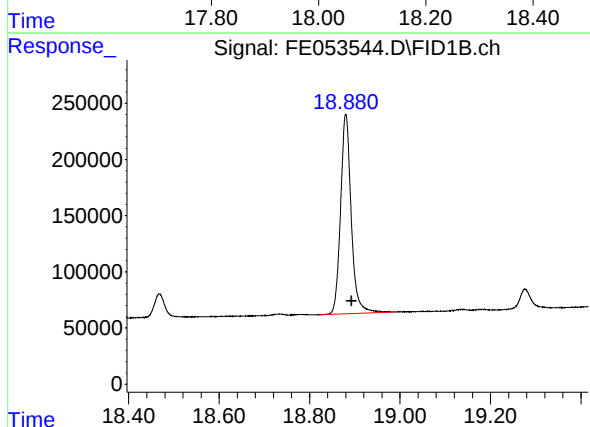
#17 n-Tricontane (C30)

R.T.: 18.045 min
Delta R.T.: -0.015 min
Response: 2892317
Conc: 20.78 ug/ml

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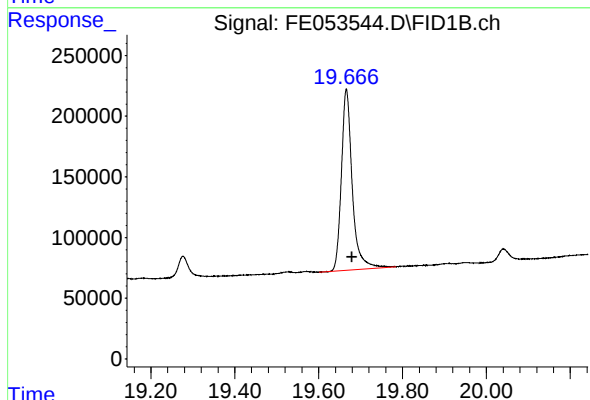
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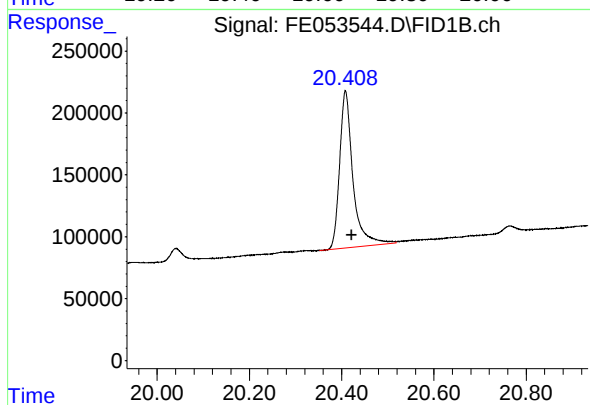
#18 n-Dotriacontane (C32)

R.T.: 18.880 min
Delta R.T.: -0.013 min
Response: 2894749
Conc: 21.08 ug/ml



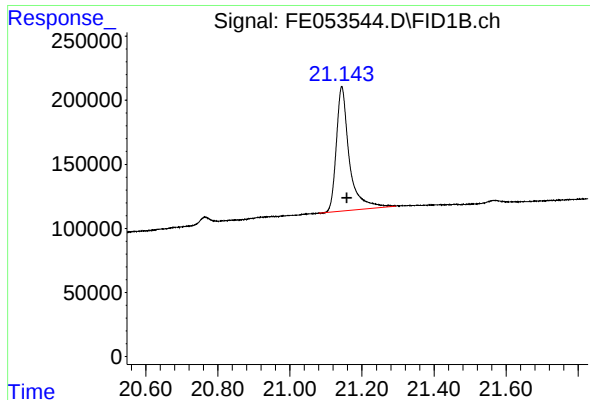
#19 n-Tetratriacontane (C34)

R.T.: 19.666 min
Delta R.T.: -0.013 min
Response: 2667723
Conc: 20.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.408 min
Delta R.T.: -0.014 min
Response: 2547335
Conc: 20.18 ug/ml



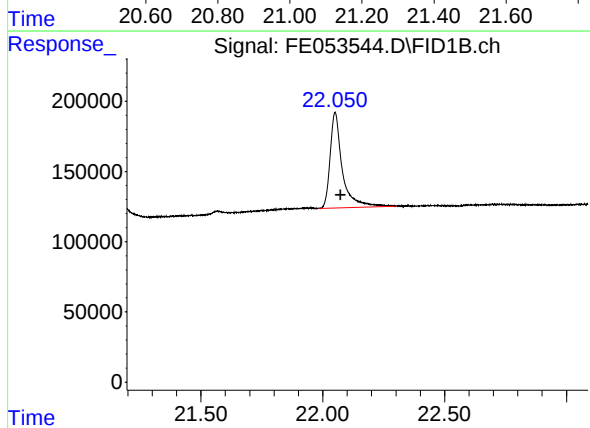
#21 n-Octatriacontane (C38)

R.T.: 21.144 min
Delta R.T.: -0.014 min
Response: 2429986
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.050 min
Delta R.T.: -0.024 min
Response: 2368625
Conc: 19.83 ug/ml m