

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012025AL\
 Data File : FE051962.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jan 2025 09:44
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :Ankita Jodhani 01/21/2025

Integration File: sample.E
 Quant Time: Jan 21 01:01:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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)	12.188	2997519	20.972 ug/ml
Spiked Amount 50.000		Recovery =	41.94%
12) S 1-chlorooctadecane (S...	13.608	2356800	20.545 ug/ml
Spiked Amount 50.000		Recovery =	41.09%
Target Compounds			
1) T n-Nonane (C9)	3.622	2176914	20.419 ug/ml
2) T n-Decane (C10)	4.858	2293242	20.947 ug/ml
3) T A~Naphthalene (C11.7)	6.561	2581750	21.246 ug/ml
4) T n-Dodecane (C12)	7.002	2399660	21.261 ug/ml
5) T A~2-methylnaphthalene...	7.648	2566469	21.497 ug/ml
6) T n-Tetradecane (C14)	8.819	2491736	21.423 ug/ml
7) T n-Hexadecane (C16)	10.419	2684281	21.284 ug/ml
8) T n-Octadecane (C18)	11.858	2776125	20.982 ug/mlm
10) T n-Eicosane (C20)	13.163	2728664	20.814 ug/ml
11) T n-Heneicosane (C21)	13.773	2695335	20.708 ug/ml
13) T n-Docosane (C22)	14.357	2723399	20.752 ug/ml
14) T n-Tetracosane (C24)	15.455	2770353	20.856 ug/mlm
15) T n-Hexacosane (C26)	16.476	2765915	20.924 ug/ml
16) T n-Octacosane (C28)	17.423	2790819	21.145 ug/ml
17) T n-Tricontane (C30)	18.308	2936168	21.535 ug/ml
18) T n-Dotriacontane (C32)	19.138	2820139	21.519 ug/ml
19) T n-Tetratriacontane (C34)	19.918	2384685	21.181 ug/mlm
20) T n-Hexatriacontane (C36)	20.655	2066230	21.754 ug/ml
21) T n-Octatriacontane (C38)	21.447	1778329	20.587 ug/ml
22) T n-Tetracontane (C40)	22.462	1715763	20.820 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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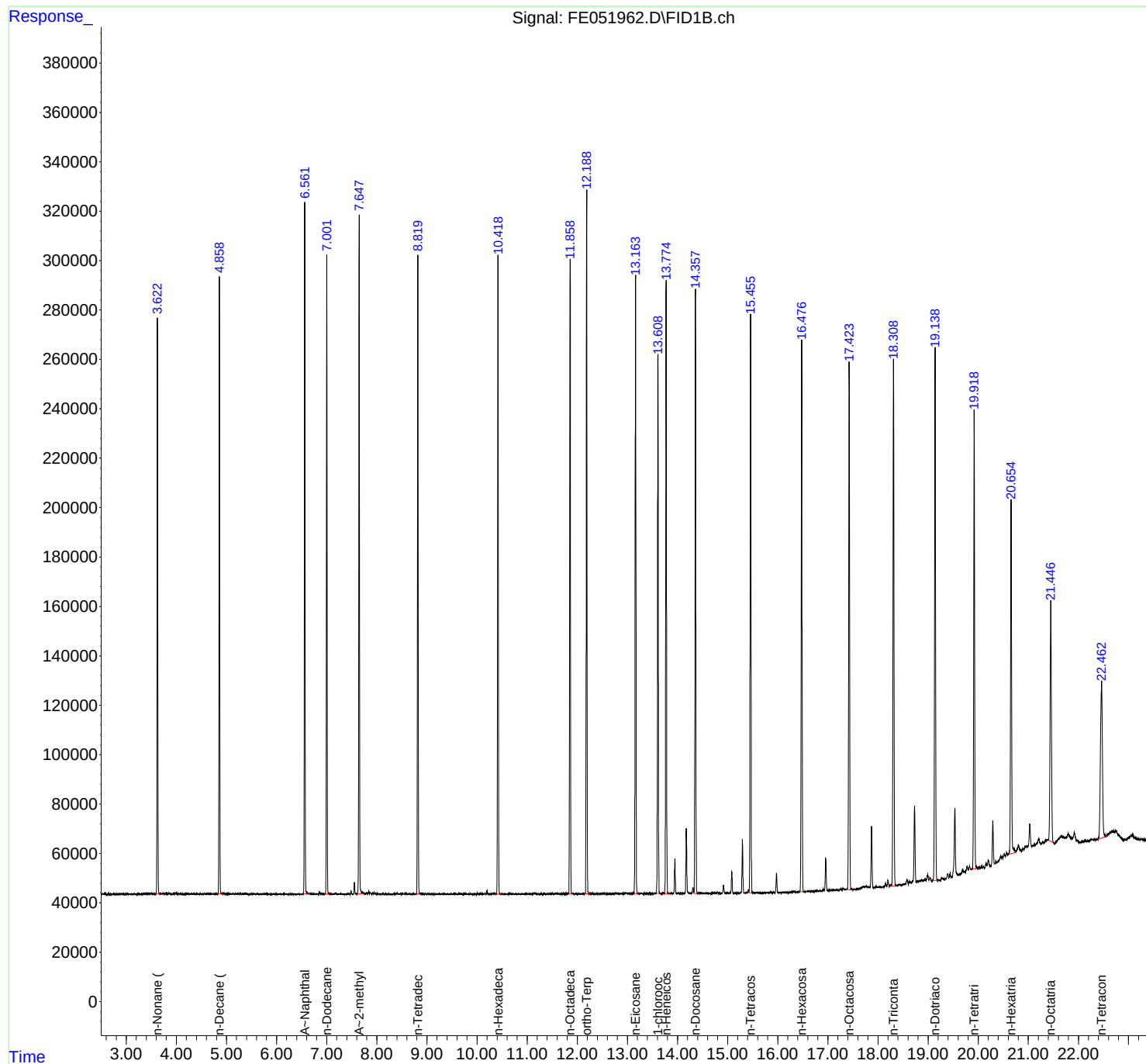
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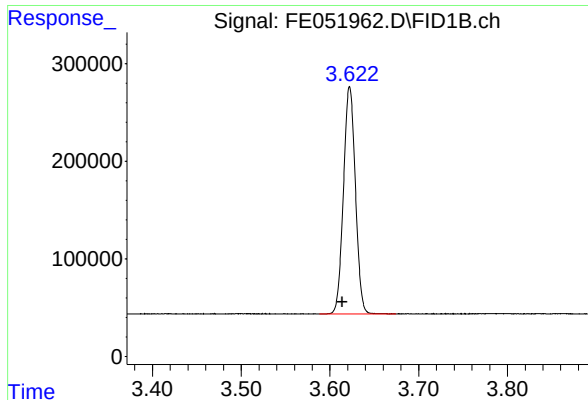
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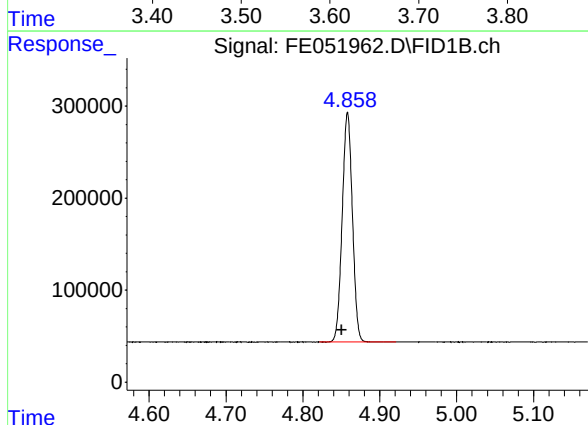
#1 n-Nonane (C9)

R.T.: 3.622 min
Delta R.T.: 0.008 min
Response: 2176914
Conc: 20.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

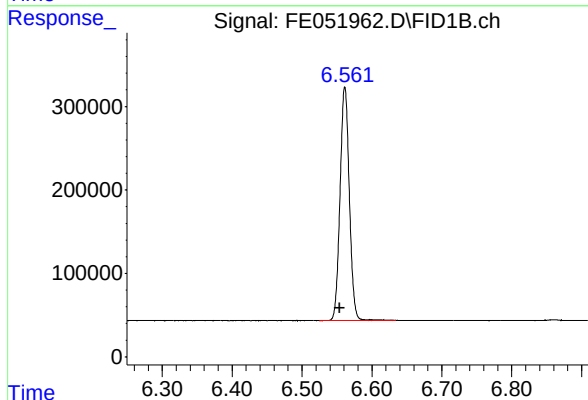
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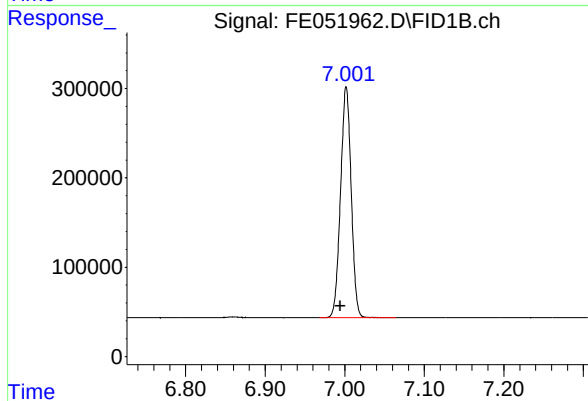
#2 n-Decane (C10)

R.T.: 4.858 min
Delta R.T.: 0.008 min
Response: 2293242
Conc: 20.95 ug/ml



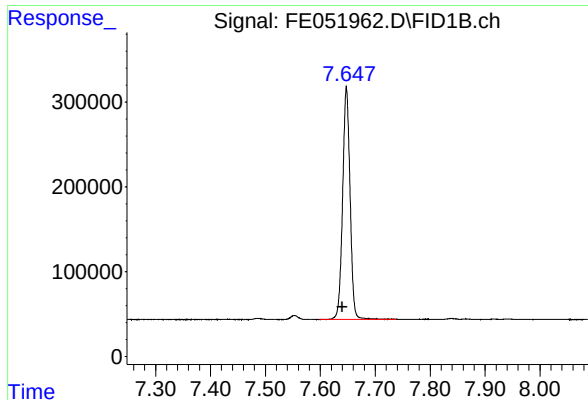
#3 A~Naphthalene (C11.7)

R.T.: 6.561 min
Delta R.T.: 0.008 min
Response: 2581750
Conc: 21.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.002 min
Delta R.T.: 0.008 min
Response: 2399660
Conc: 21.26 ug/ml



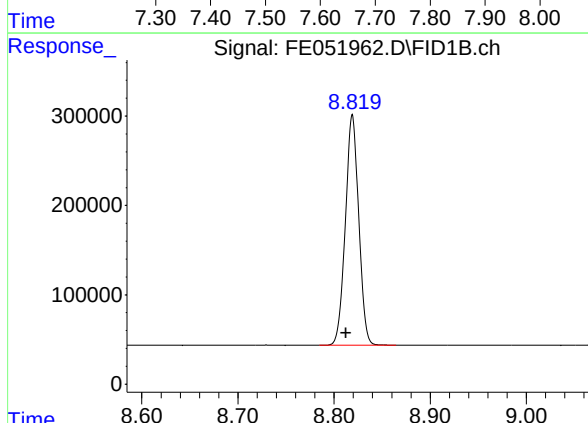
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.648 min
Delta R.T.: 0.007 min
Response: 2566469
Conc: 21.50 ug/ml

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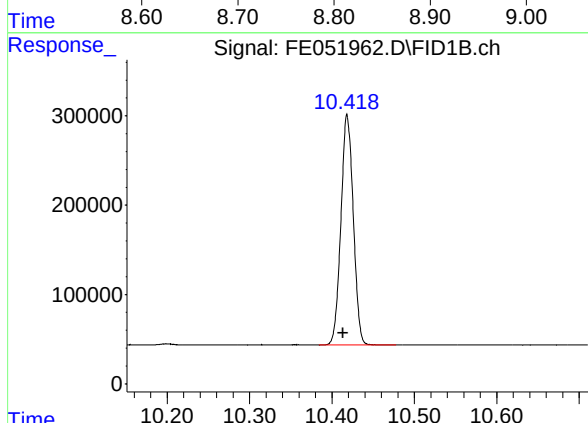
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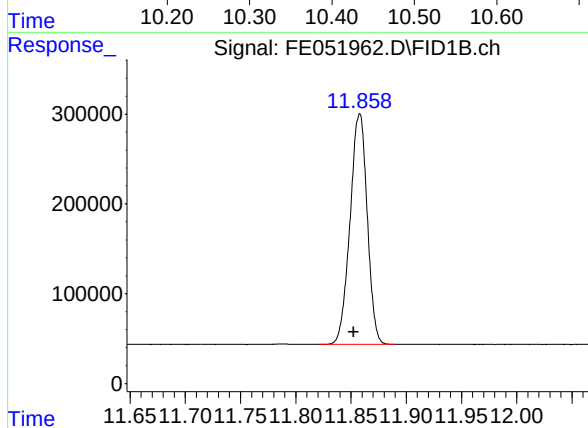
#6 n-Tetradecane (C14)

R.T.: 8.819 min
Delta R.T.: 0.007 min
Response: 2491736
Conc: 21.42 ug/ml



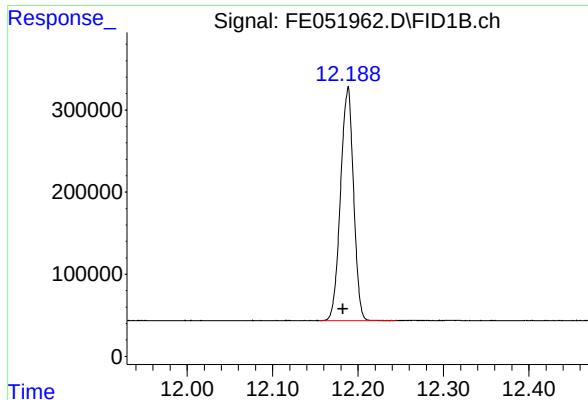
#7 n-Hexadecane (C16)

R.T.: 10.419 min
Delta R.T.: 0.005 min
Response: 2684281
Conc: 21.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.858 min
Delta R.T.: 0.005 min
Response: 2776125
Conc: 20.98 ug/ml m



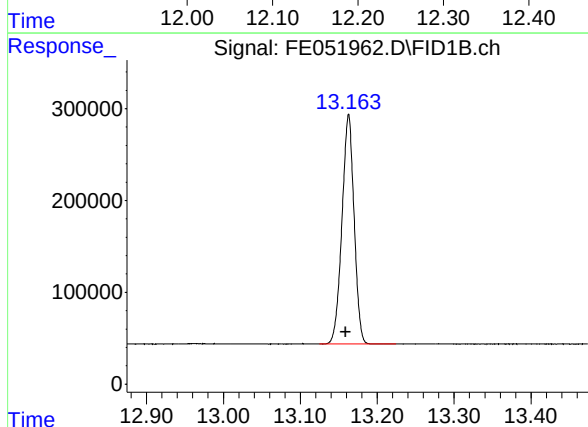
#9 ortho-Terphenyl (SURR)

R.T.: 12.188 min
Delta R.T.: 0.005 min
Response: 2997519
Conc: 20.97 ug/ml

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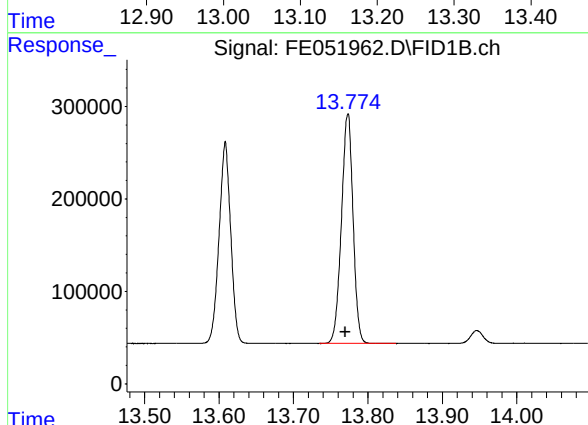
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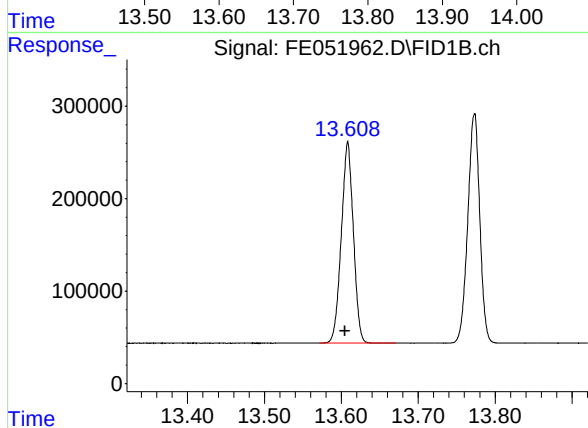
#10 n-Eicosane (C20)

R.T.: 13.163 min
Delta R.T.: 0.004 min
Response: 2728664
Conc: 20.81 ug/ml



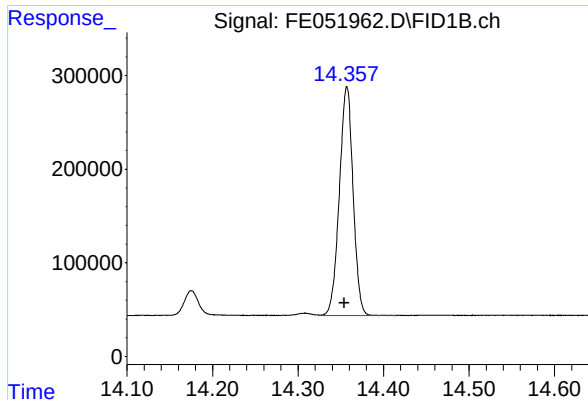
#11 n-Heneicosane (C21)

R.T.: 13.773 min
Delta R.T.: 0.003 min
Response: 2695335
Conc: 20.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.608 min
Delta R.T.: 0.003 min
Response: 2356800
Conc: 20.54 ug/ml



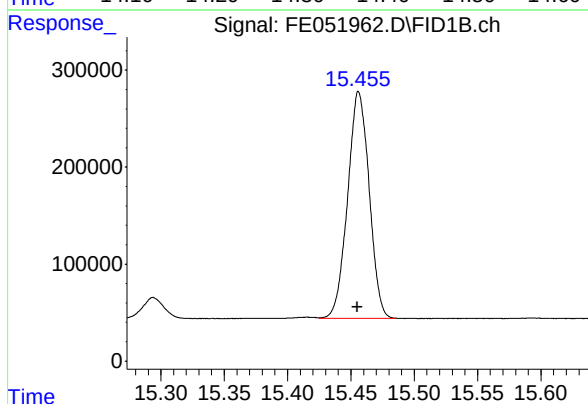
#13 n-Docosane (C22)

R.T.: 14.357 min
Delta R.T.: 0.003 min
Response: 2723399
Conc: 20.75 ug/ml

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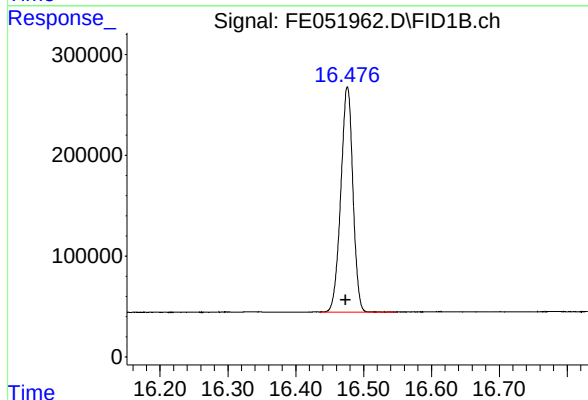
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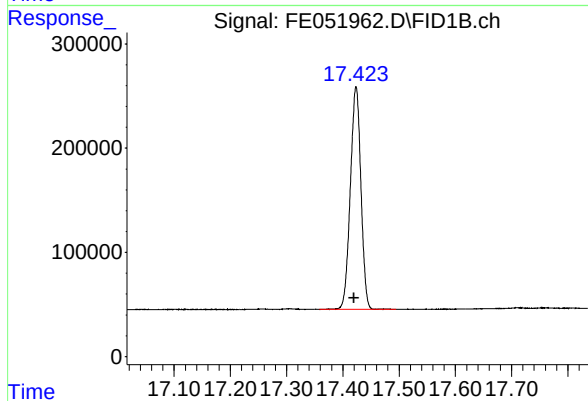
#14 n-Tetracosane (C24)

R.T.: 15.455 min
Delta R.T.: 0.000 min
Response: 2770353
Conc: 20.86 ug/ml m



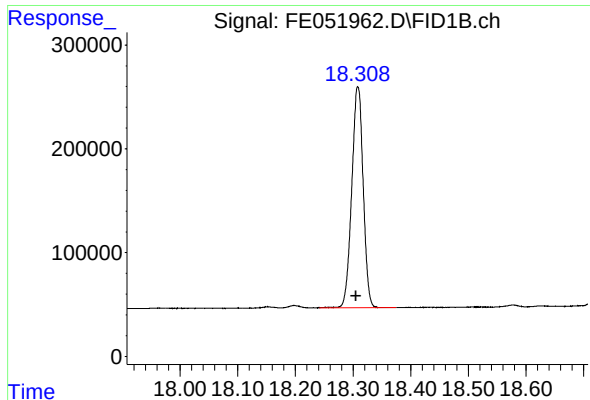
#15 n-Hexacosane (C26)

R.T.: 16.476 min
Delta R.T.: 0.002 min
Response: 2765915
Conc: 20.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.423 min
Delta R.T.: 0.003 min
Response: 2790819
Conc: 21.15 ug/ml



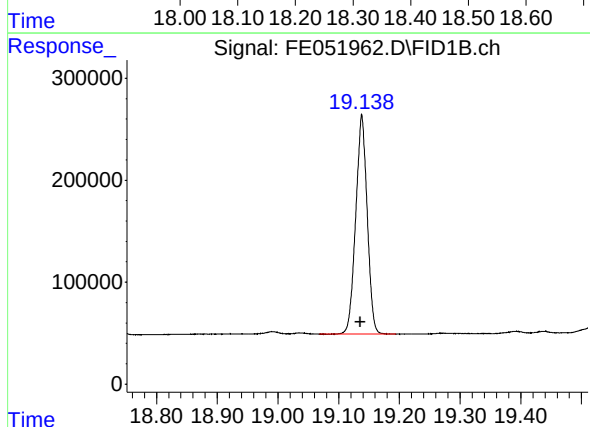
#17 n-Tricontane (C30)

R.T.: 18.308 min
Delta R.T.: 0.003 min
Response: 2936168
Conc: 21.54 ug/ml

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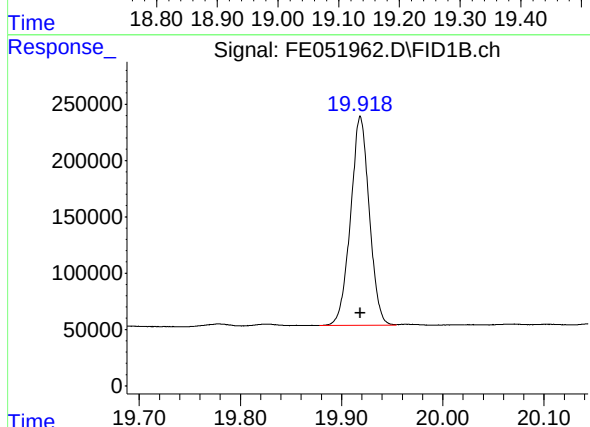
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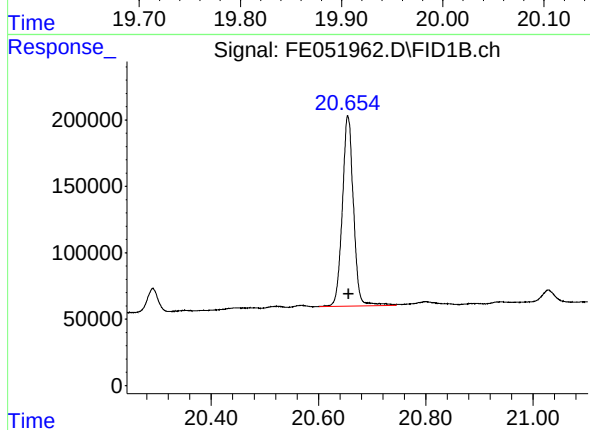
#18 n-Dotriacontane (C32)

R.T.: 19.138 min
Delta R.T.: 0.002 min
Response: 2820139
Conc: 21.52 ug/ml



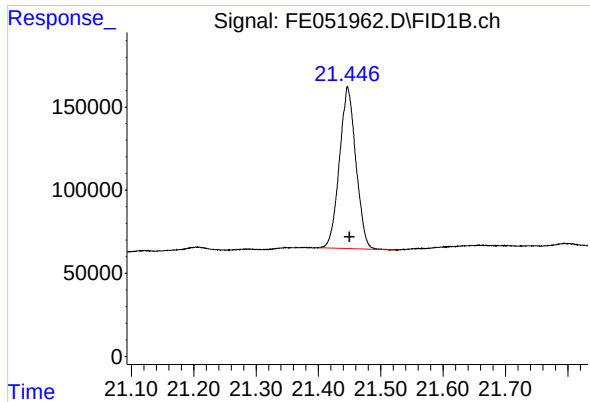
#19 n-Tetatriacontane (C34)

R.T.: 19.918 min
Delta R.T.: 0.000 min
Response: 2384685
Conc: 21.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.655 min
Delta R.T.: 0.000 min
Response: 2066230
Conc: 21.75 ug/ml



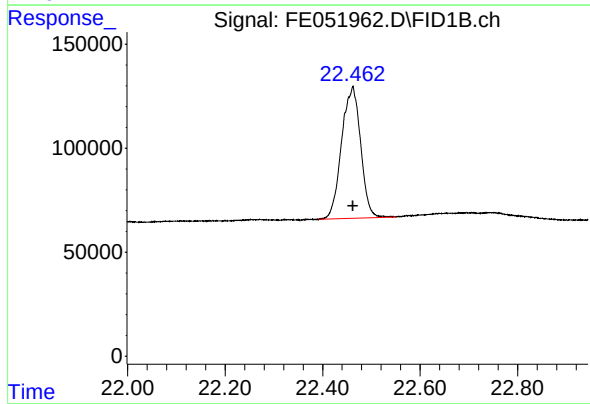
#21 n-Octatriacontane (C38)

R.T.: 21.447 min
Delta R.T.: -0.003 min
Response: 1778329
Conc: 20.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.462 min
Delta R.T.: 0.000 min
Response: 1715763
Conc: 20.82 ug/ml m