

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052124AL\
 Data File : FE048302.D
 Signal(s) : FID1B.ch
 Acq On : 21 May 2024 12:43
 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 05/22/2024
 Supervised By :Ankita Jodhani 05/22/2024

Integration File: autoint1.e
 Quant Time: May 22 02:24:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.955	2758546	19.121 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
12) S 1-chlorooctadecane (S...	13.388	2098127	18.777 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
Target Compounds			
1) T n-Nonane (C9)	3.342	2797545	21.707 ug/ml
2) T n-Decane (C10)	4.591	2863866	21.753 ug/ml
3) T A~Naphthalene (C11.7)	6.297	2837373	20.548 ug/ml
4) T n-Dodecane (C12)	6.756	2814605	21.113 ug/ml
5) T A~2-methylnaphthalene...	7.393	2634376	19.796 ug/ml
6) T n-Tetradecane (C14)	8.584	2693192	20.323 ug/ml
7) T n-Hexadecane (C16)	10.192	2703023	19.654 ug/ml
8) T n-Octadecane (C18)	11.634	2685691	19.280 ug/ml
10) T n-Eicosane (C20)	12.943	2553678	18.966 ug/ml
11) T n-Heneicosane (C21)	13.554	2496190	18.857 ug/ml
13) T n-Docosane (C22)	14.140	2497610	18.847 ug/ml
14) T n-Tetracosane (C24)	15.243	2551636	19.163 ug/ml
15) T n-Hexacosane (C26)	16.263	2558726	19.175 ug/ml
16) T n-Octacosane (C28)	17.211	2605179	19.566 ug/ml
17) T n-Tricontane (C30)	18.099	2766486	20.045 ug/ml
18) T n-Dotriacontane (C32)	18.931	2789738	20.197 ug/ml
19) T n-Tetratriacontane (C34)	19.713	2677564	19.656 ug/ml
20) T n-Hexatriacontane (C36)	20.452	2603358	19.227 ug/mlm
21) T n-Octatriacontane (C38)	21.189	2545760	18.439 ug/ml
22) T n-Tetracontane (C40)	22.111	2493257	17.896 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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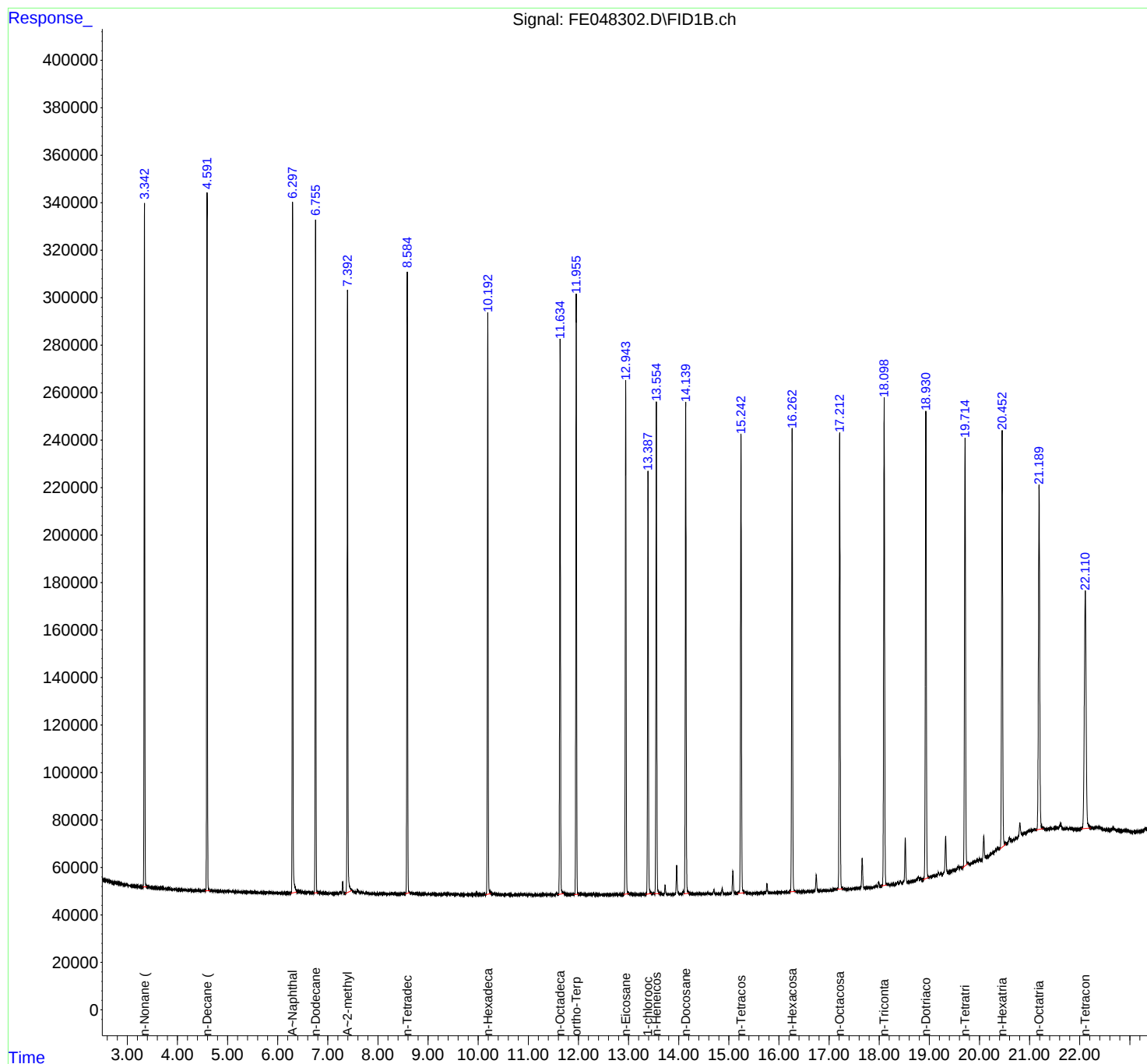
Instrument :
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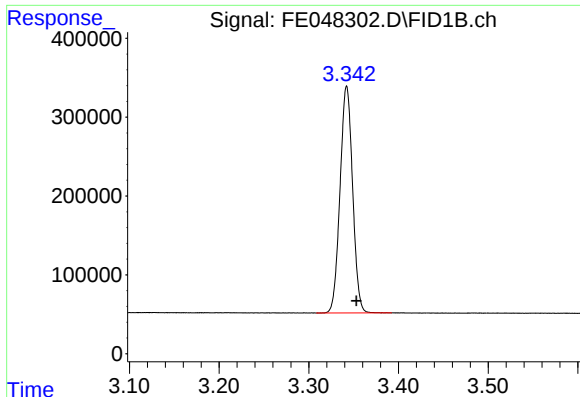
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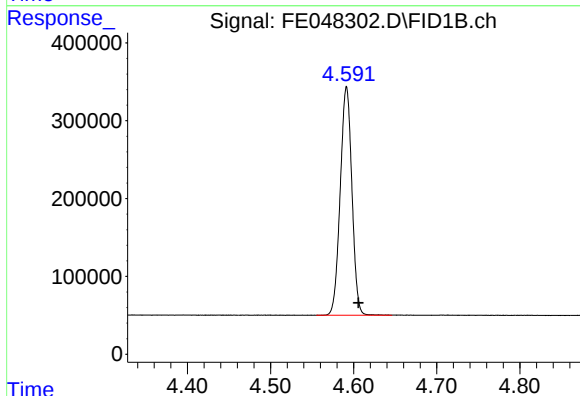
#1 n-Nonane (C9)

R.T.: 3.342 min
Delta R.T.: -0.011 min
Response: 2797545
Conc: 21.71 ug/ml

Instrument :
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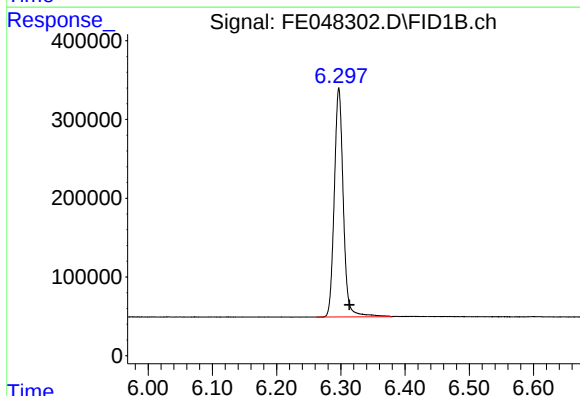
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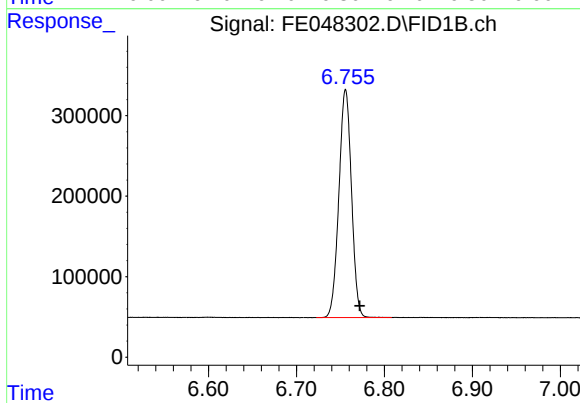
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: -0.014 min
Response: 2863866
Conc: 21.75 ug/ml



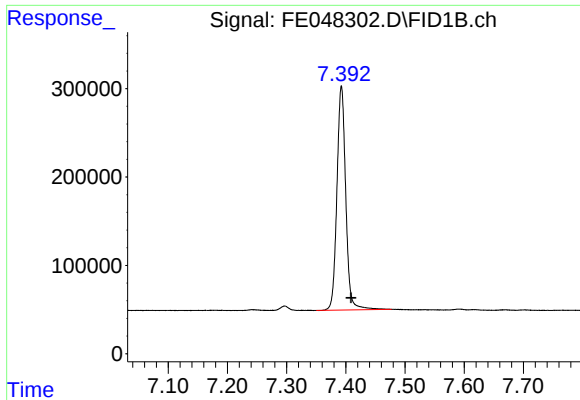
#3 A~Naphthalene (C11.7)

R.T.: 6.297 min
Delta R.T.: -0.017 min
Response: 2837373
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.756 min
Delta R.T.: -0.016 min
Response: 2814605
Conc: 21.11 ug/ml



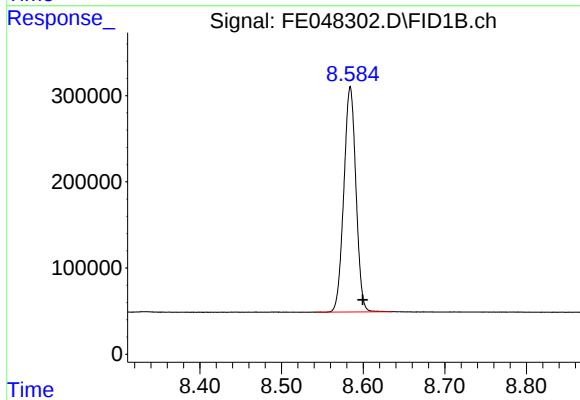
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.393 min
Delta R.T.: -0.016 min
Response: 2634376
Conc: 19.80 ug/ml

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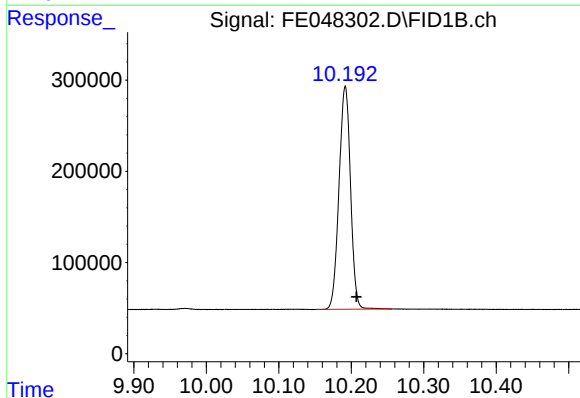
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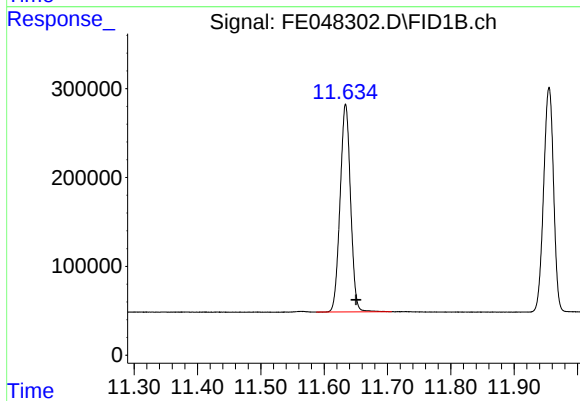
#6 n-Tetradecane (C14)

R.T.: 8.584 min
Delta R.T.: -0.015 min
Response: 2693192
Conc: 20.32 ug/ml



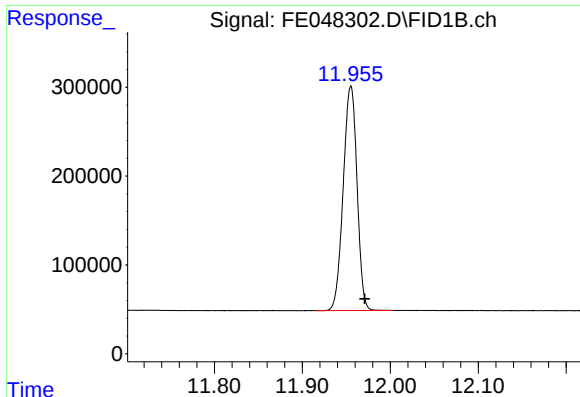
#7 n-Hexadecane (C16)

R.T.: 10.192 min
Delta R.T.: -0.015 min
Response: 2703023
Conc: 19.65 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.634 min
Delta R.T.: -0.017 min
Response: 2685691
Conc: 19.28 ug/ml



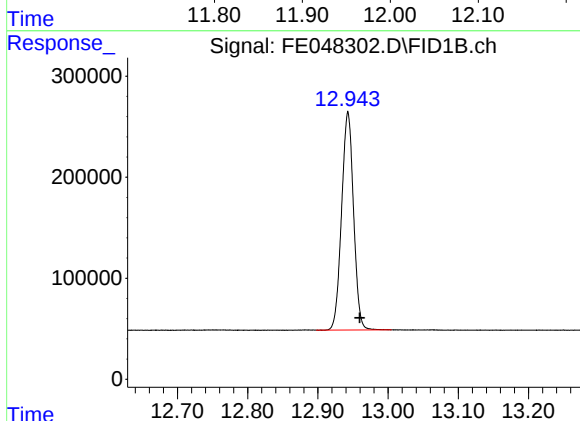
#9 ortho-Terphenyl (SURR)

R.T.: 11.955 min
Delta R.T.: -0.016 min
Response: 2758546
Conc: 19.12 ug/ml

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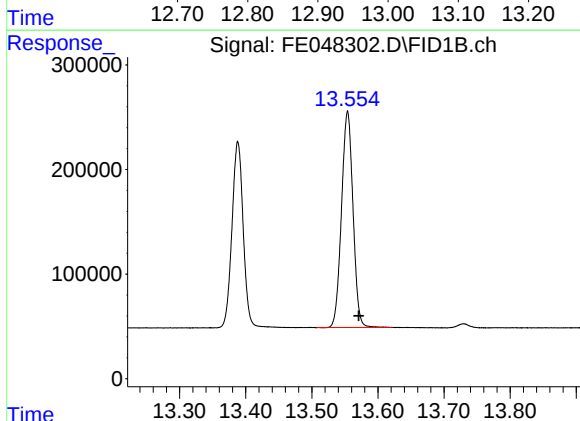
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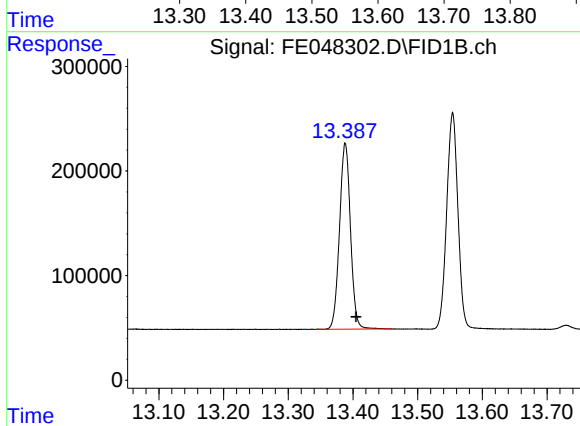
#10 n-Eicosane (C20)

R.T.: 12.943 min
Delta R.T.: -0.017 min
Response: 2553678
Conc: 18.97 ug/ml



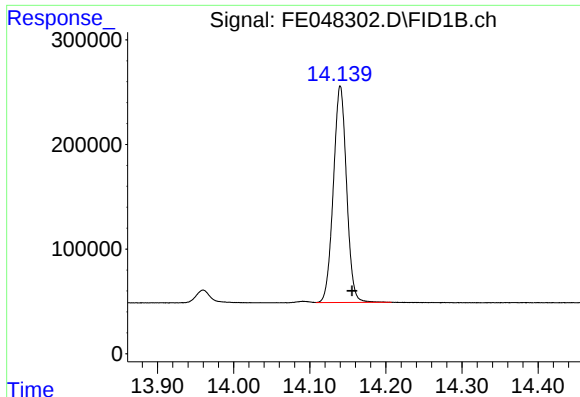
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: -0.017 min
Response: 2496190
Conc: 18.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.388 min
Delta R.T.: -0.017 min
Response: 2098127
Conc: 18.78 ug/ml



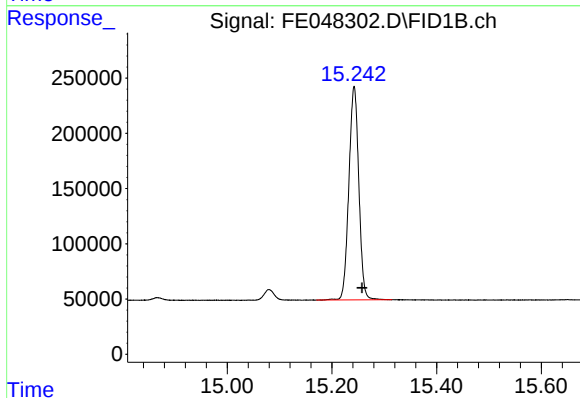
#13 n-Docosane (C22)

R.T.: 14.140 min
Delta R.T.: -0.015 min
Response: 2497610
Conc: 18.85 ug/ml

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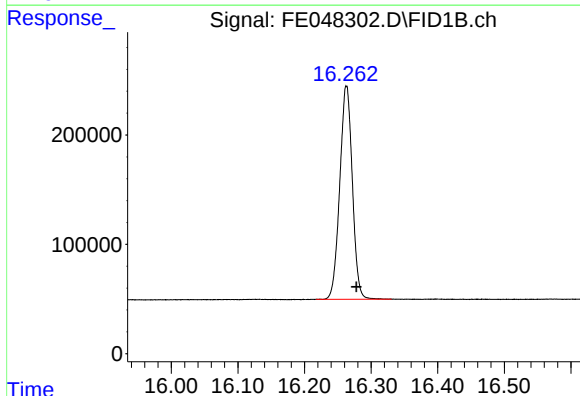
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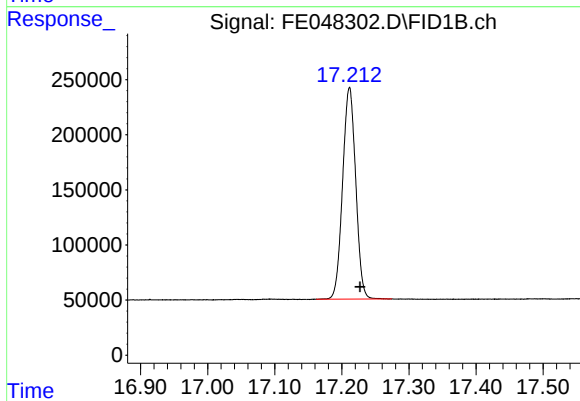
#14 n-Tetracosane (C24)

R.T.: 15.243 min
Delta R.T.: -0.015 min
Response: 2551636
Conc: 19.16 ug/ml



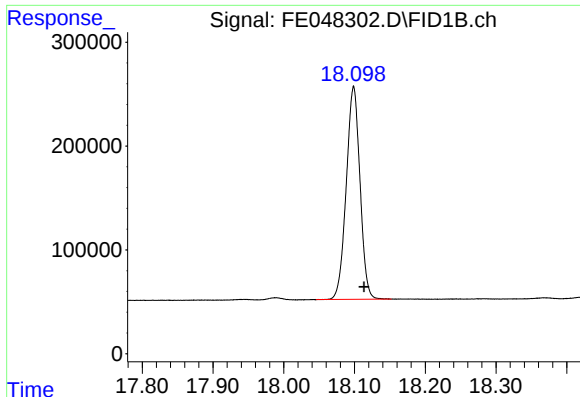
#15 n-Hexacosane (C26)

R.T.: 16.263 min
Delta R.T.: -0.015 min
Response: 2558726
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.211 min
Delta R.T.: -0.016 min
Response: 2605179
Conc: 19.57 ug/ml



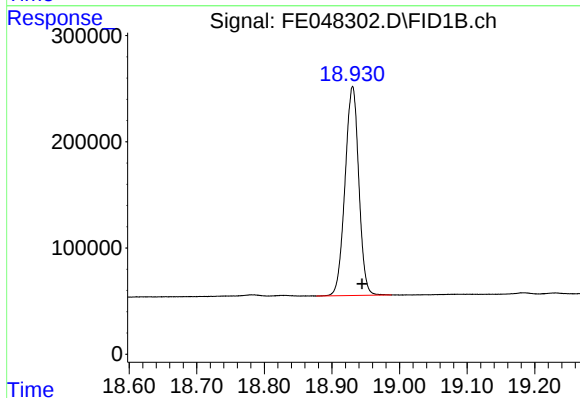
#17 n-Tricontane (C30)

R.T.: 18.099 min
Delta R.T.: -0.015 min
Response: 2766486
Conc: 20.05 ug/ml

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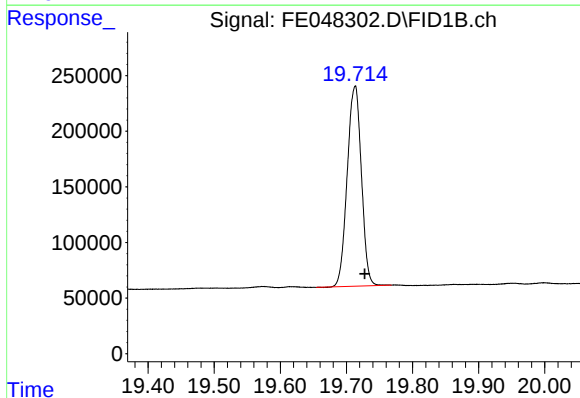
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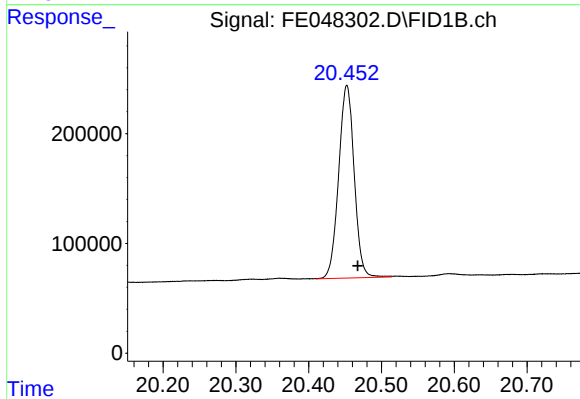
#18 n-Dotriacontane (C32)

R.T.: 18.931 min
Delta R.T.: -0.014 min
Response: 2789738
Conc: 20.20 ug/ml



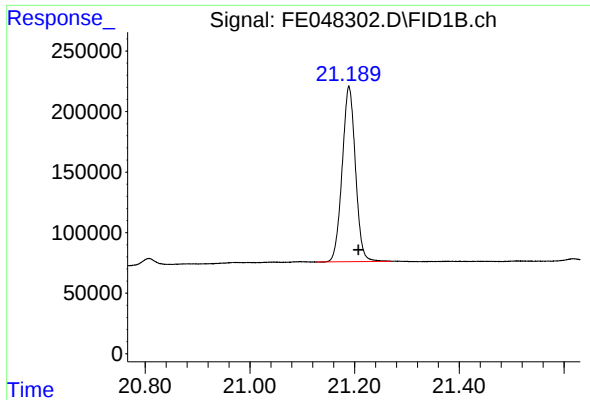
#19 n-Tetratriacontane (C34)

R.T.: 19.713 min
Delta R.T.: -0.014 min
Response: 2677564
Conc: 19.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.015 min
Response: 2603358
Conc: 19.23 ug/ml m



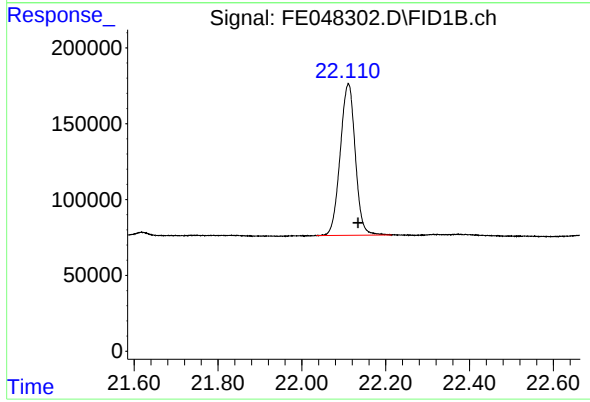
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.018 min
Response: 2545760
Conc: 18.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.111 min
Delta R.T.: -0.023 min
Response: 2493257
Conc: 17.90 ug/ml