

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071124AL\
 Data File : FE049081.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2024 20:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2024
 Supervised By :Ankita Jodhani 07/12/2024

Integration File: autoint1.e
 Quant Time: Jul 12 01:31:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.921	2610311	15.611 ug/ml
Spiked Amount 50.000		Recovery =	31.22%
12) S 1-chlorooctadecane (S...	13.356	1987307	15.455 ug/ml
Spiked Amount 50.000		Recovery =	30.91%
Target Compounds			
1) T n-Nonane (C9)	3.309	2489863	16.561 ug/ml
2) T n-Decane (C10)	4.558	2594206	16.857 ug/ml
3) T A~Naphthalene (C11.7)	6.265	2595313	16.348 ug/ml
4) T n-Dodecane (C12)	6.724	2555320	16.553 ug/ml
5) T A~2-methylnaphthalene...	7.360	2433695	16.071 ug/ml
6) T n-Tetradecane (C14)	8.552	2527479	16.491 ug/ml
7) T n-Hexadecane (C16)	10.159	2559591	16.370 ug/ml
8) T n-Octadecane (C18)	11.601	2564354	16.079 ug/ml
10) T n-Eicosane (C20)	12.910	2446072	15.777 ug/ml
11) T n-Heneicosane (C21)	13.522	2400123	15.763 ug/ml
13) T n-Docosane (C22)	14.108	2394976	15.836 ug/ml
14) T n-Tetracosane (C24)	15.210	2424023	16.130 ug/ml
15) T n-Hexacosane (C26)	16.230	2432705	16.478 ug/ml
16) T n-Octacosane (C28)	17.179	2508511	17.394 ug/ml
17) T n-Tricontane (C30)	18.066	2802494	19.156 ug/ml
18) T n-Dotriacontane (C32)	18.897	2907344	20.334 ug/mlm
19) T n-Tetratriacontane (C34)	19.682	2777478	20.073 ug/ml
20) T n-Hexatriacontane (C36)	20.420	2646646	20.364 ug/mlm
21) T n-Octatriacontane (C38)	21.155	2625977	20.484 ug/mlm
22) T n-Tetracontane (C40)	22.067	2849570	23.269 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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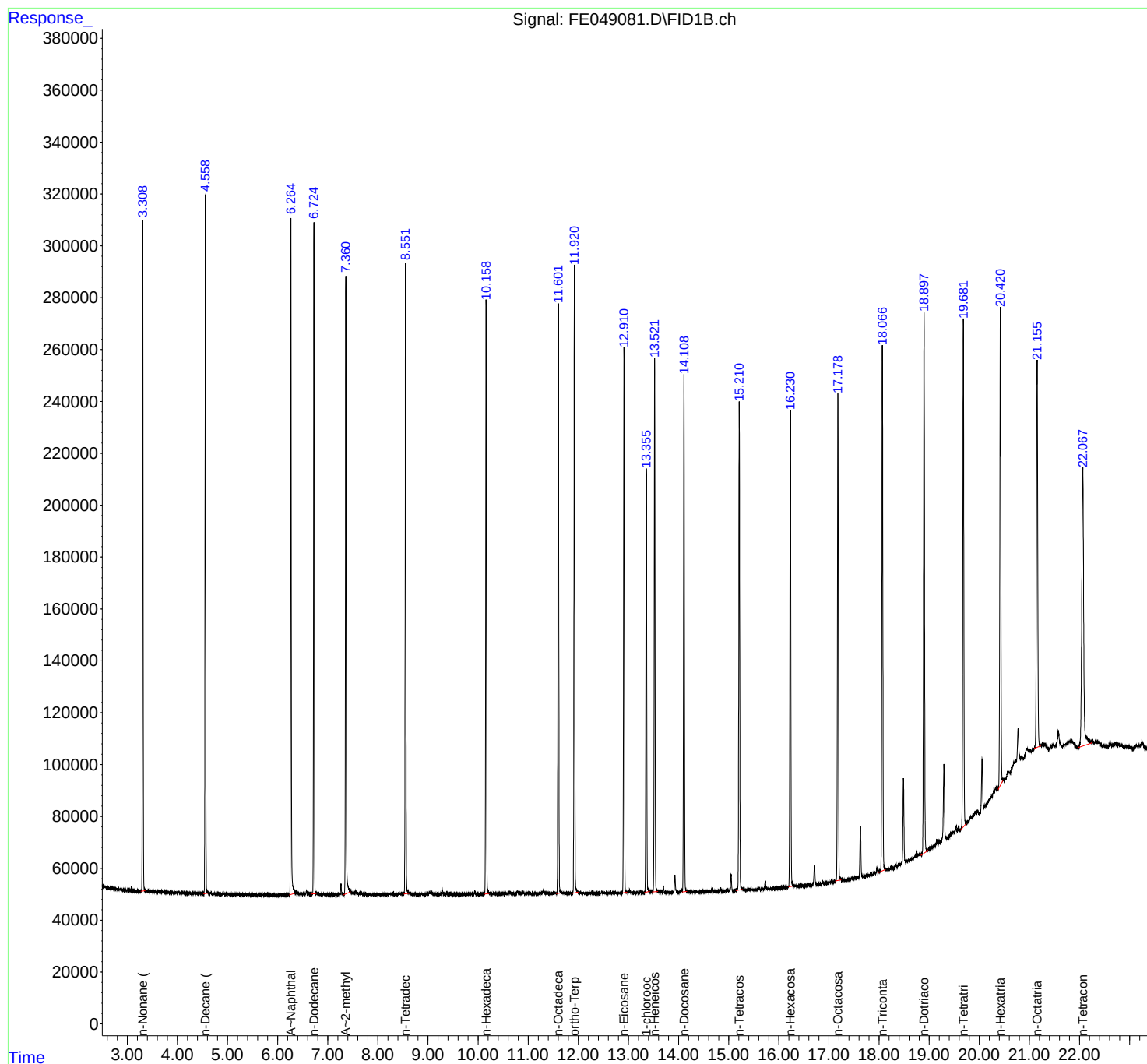
Instrument :
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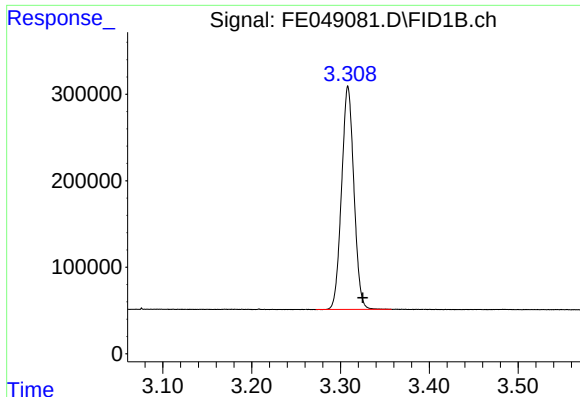
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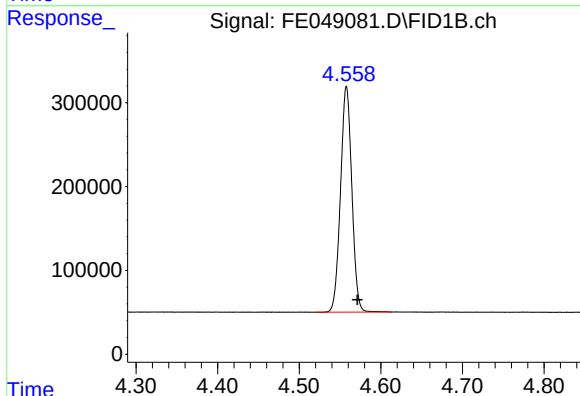
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.017 min
Response: 2489863
Conc: 16.56 ug/ml

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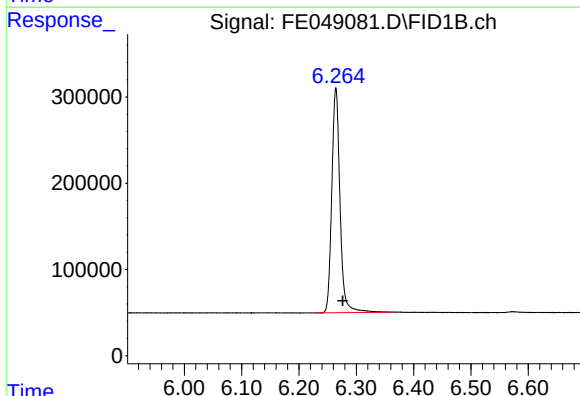
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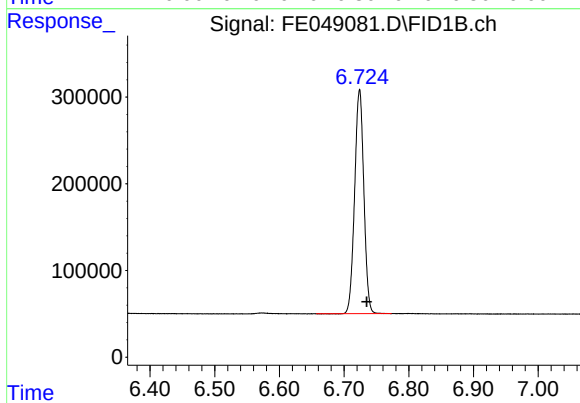
#2 n-Decane (C10)

R.T.: 4.558 min
Delta R.T.: -0.014 min
Response: 2594206
Conc: 16.86 ug/ml



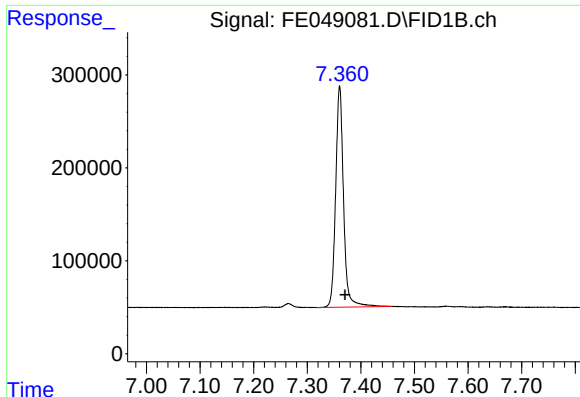
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.012 min
Response: 2595313
Conc: 16.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.724 min
Delta R.T.: -0.011 min
Response: 2555320
Conc: 16.55 ug/ml



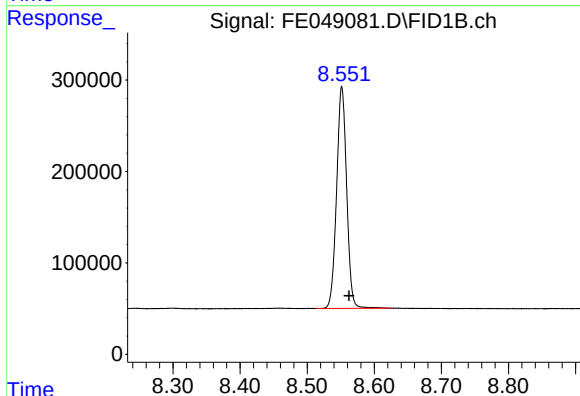
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 2433695
Conc: 16.07 ug/ml

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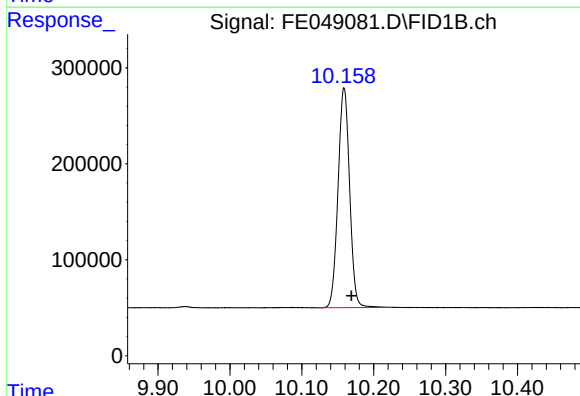
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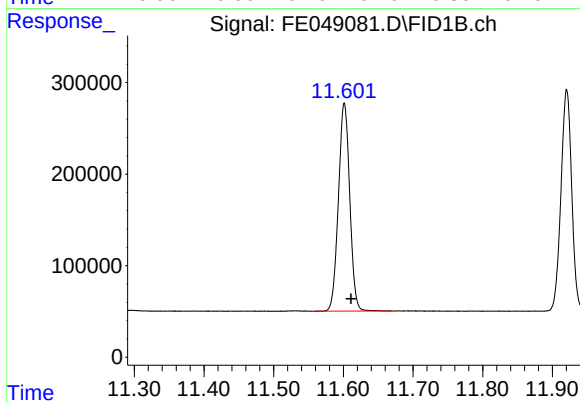
#6 n-Tetradecane (C14)

R.T.: 8.552 min
Delta R.T.: -0.011 min
Response: 2527479
Conc: 16.49 ug/ml



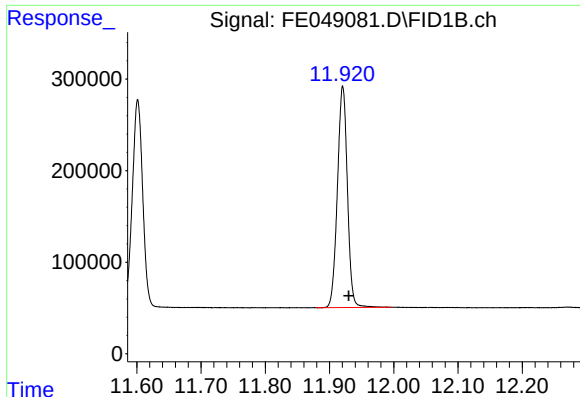
#7 n-Hexadecane (C16)

R.T.: 10.159 min
Delta R.T.: -0.010 min
Response: 2559591
Conc: 16.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.601 min
Delta R.T.: -0.010 min
Response: 2564354
Conc: 16.08 ug/ml



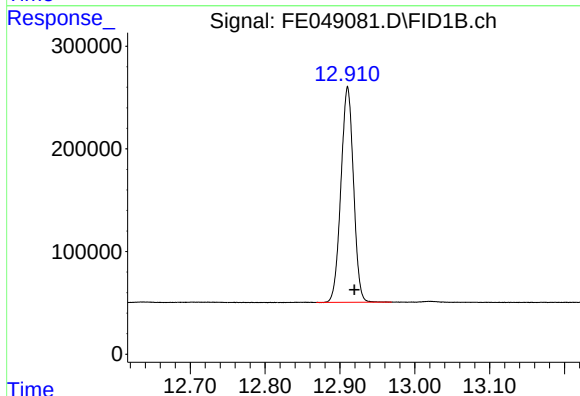
#9 ortho-Terphenyl (SURR)

R.T.: 11.921 min
Delta R.T.: -0.009 min
Response: 2610311
Conc: 15.61 ug/ml

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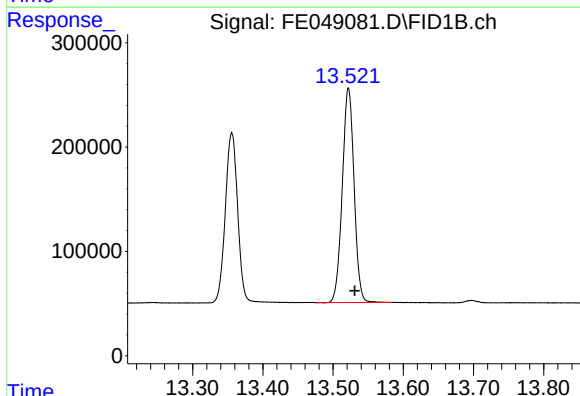
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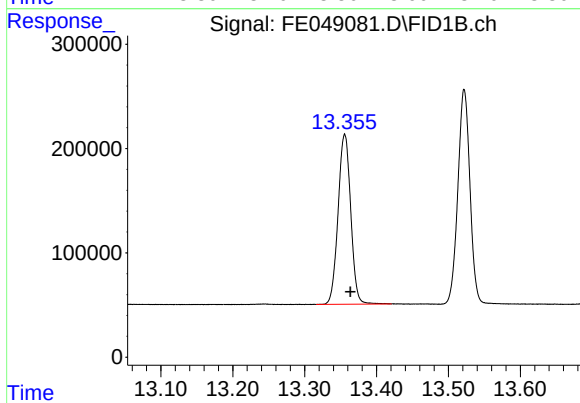
#10 n-Eicosane (C20)

R.T.: 12.910 min
Delta R.T.: -0.009 min
Response: 2446072
Conc: 15.78 ug/ml



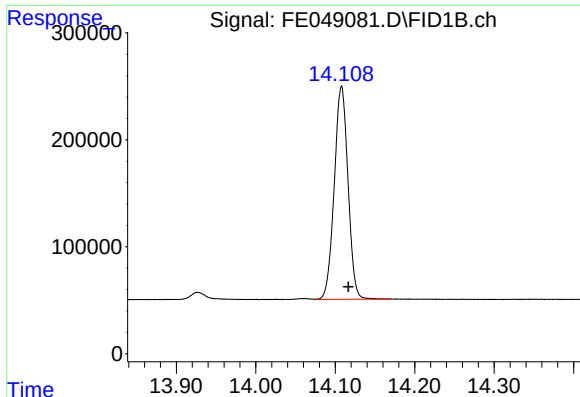
#11 n-Heneicosane (C21)

R.T.: 13.522 min
Delta R.T.: -0.009 min
Response: 2400123
Conc: 15.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min
Delta R.T.: -0.008 min
Response: 1987307
Conc: 15.45 ug/ml



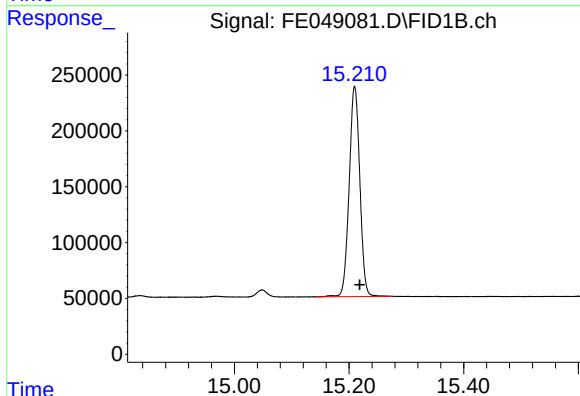
#13 n-Docosane (C22)

R.T.: 14.108 min
Delta R.T.: -0.009 min
Response: 2394976
Conc: 15.84 ug/ml

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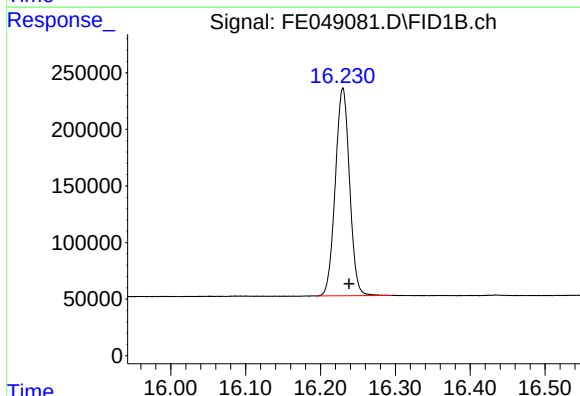
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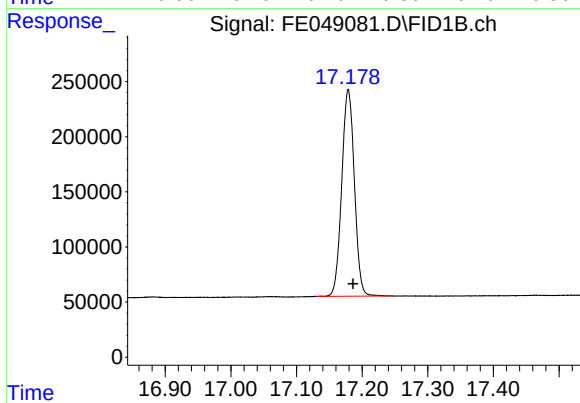
#14 n-Tetracosane (C24)

R.T.: 15.210 min
Delta R.T.: -0.009 min
Response: 2424023
Conc: 16.13 ug/ml



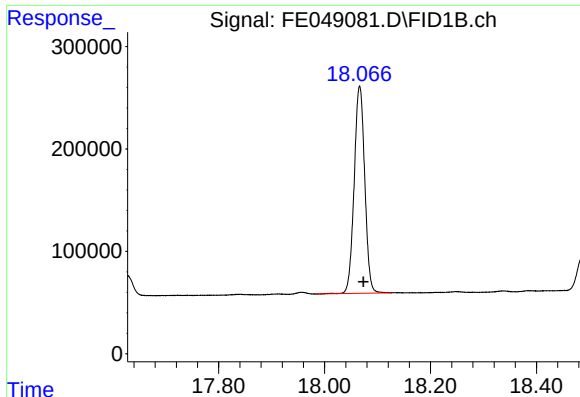
#15 n-Hexacosane (C26)

R.T.: 16.230 min
Delta R.T.: -0.008 min
Response: 2432705
Conc: 16.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.179 min
Delta R.T.: -0.007 min
Response: 2508511
Conc: 17.39 ug/ml



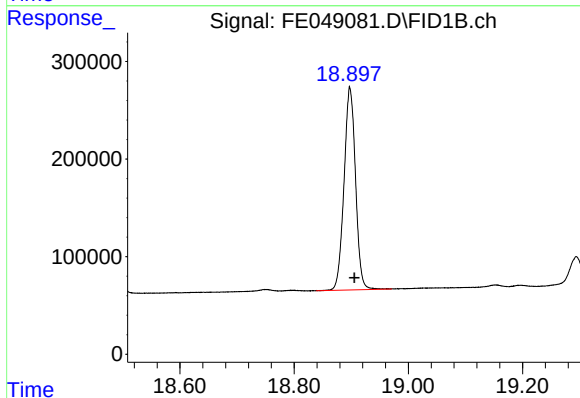
#17 n-Tricontane (C30)

R.T.: 18.066 min
Delta R.T.: -0.007 min
Response: 2802494
Conc: 19.16 ug/ml

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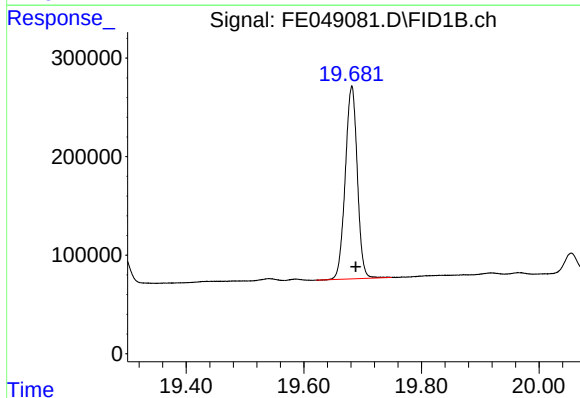
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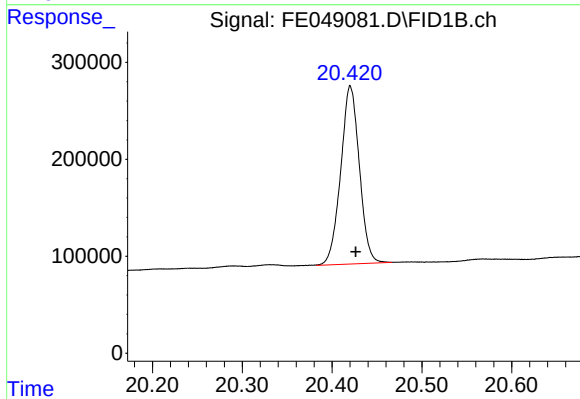
#18 n-Dotriacontane (C32)

R.T.: 18.897 min
Delta R.T.: -0.009 min
Response: 2907344
Conc: 20.33 ug/ml m



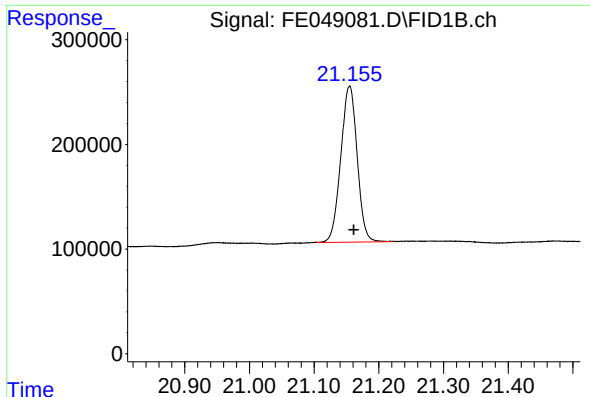
#19 n-Tetratriacontane (C34)

R.T.: 19.682 min
Delta R.T.: -0.006 min
Response: 2777478
Conc: 20.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.420 min
Delta R.T.: -0.007 min
Response: 2646646
Conc: 20.36 ug/ml m



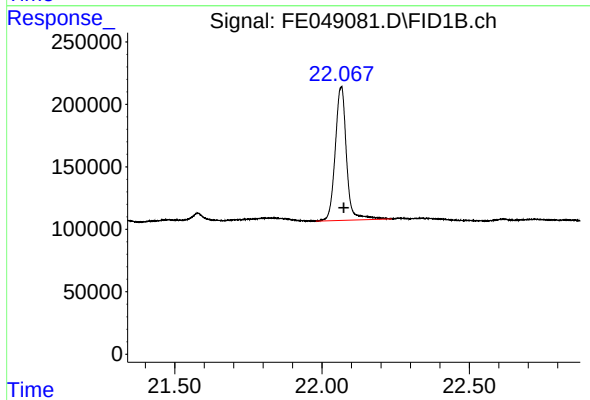
#21 n-Octatriacontane (C38)

R.T.: 21.155 min
Delta R.T.: -0.006 min
Response: 2625977
Conc: 20.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.067 min
Delta R.T.: -0.007 min
Response: 2849570
Conc: 23.27 ug/ml m