

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090624AL\
 Data File : FE049962.D
 Signal(s) : FID1B.ch
 Acq On : 06 Sep 2024 23:05
 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 09/09/2024
 Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
 Quant Time: Sep 07 01:00:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.879	2859725	17.684 ug/ml
Spiked Amount 50.000		Recovery =	35.37%
12) S 1-chlorooctadecane (S...	13.314	2223649	18.226 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
Target Compounds			
1) T n-Nonane (C9)	3.267	2525490	16.319 ug/ml
2) T n-Decane (C10)	4.518	2675817	16.947 ug/ml
3) T A~Naphthalene (C11.7)	6.227	2745223	17.109 ug/ml
4) T n-Dodecane (C12)	6.685	2722395	17.317 ug/ml
5) T A~2-methylnaphthalene...	7.322	2623831	17.521 ug/ml
6) T n-Tetradecane (C14)	8.512	2693490	17.447 ug/ml
7) T n-Hexadecane (C16)	10.119	2787328	17.847 ug/ml
8) T n-Octadecane (C18)	11.560	2825024	17.988 ug/ml
10) T n-Eicosane (C20)	12.869	2706579	18.128 ug/ml
11) T n-Heneicosane (C21)	13.479	2650472	18.068 ug/ml
13) T n-Docosane (C22)	14.064	2650333	18.184 ug/mlm
14) T n-Tetracosane (C24)	15.166	2751267	18.914 ug/ml
15) T n-Hexacosane (C26)	16.186	2726636	18.892 ug/ml
16) T n-Octacosane (C28)	17.134	2884524	20.026 ug/ml
17) T n-Tricontane (C30)	18.022	3186628	21.286 ug/ml
18) T n-Dotriacontane (C32)	18.853	3356580	22.187 ug/ml
19) T n-Tetratriacontane (C34)	19.636	3253497	21.281 ug/ml
20) T n-Hexatriacontane (C36)	20.374	3028417	19.943 ug/ml
21) T n-Octatriacontane (C38)	21.102	2924947	18.636 ug/ml
22) T n-Tetracontane (C40)	21.994	2791028	18.280 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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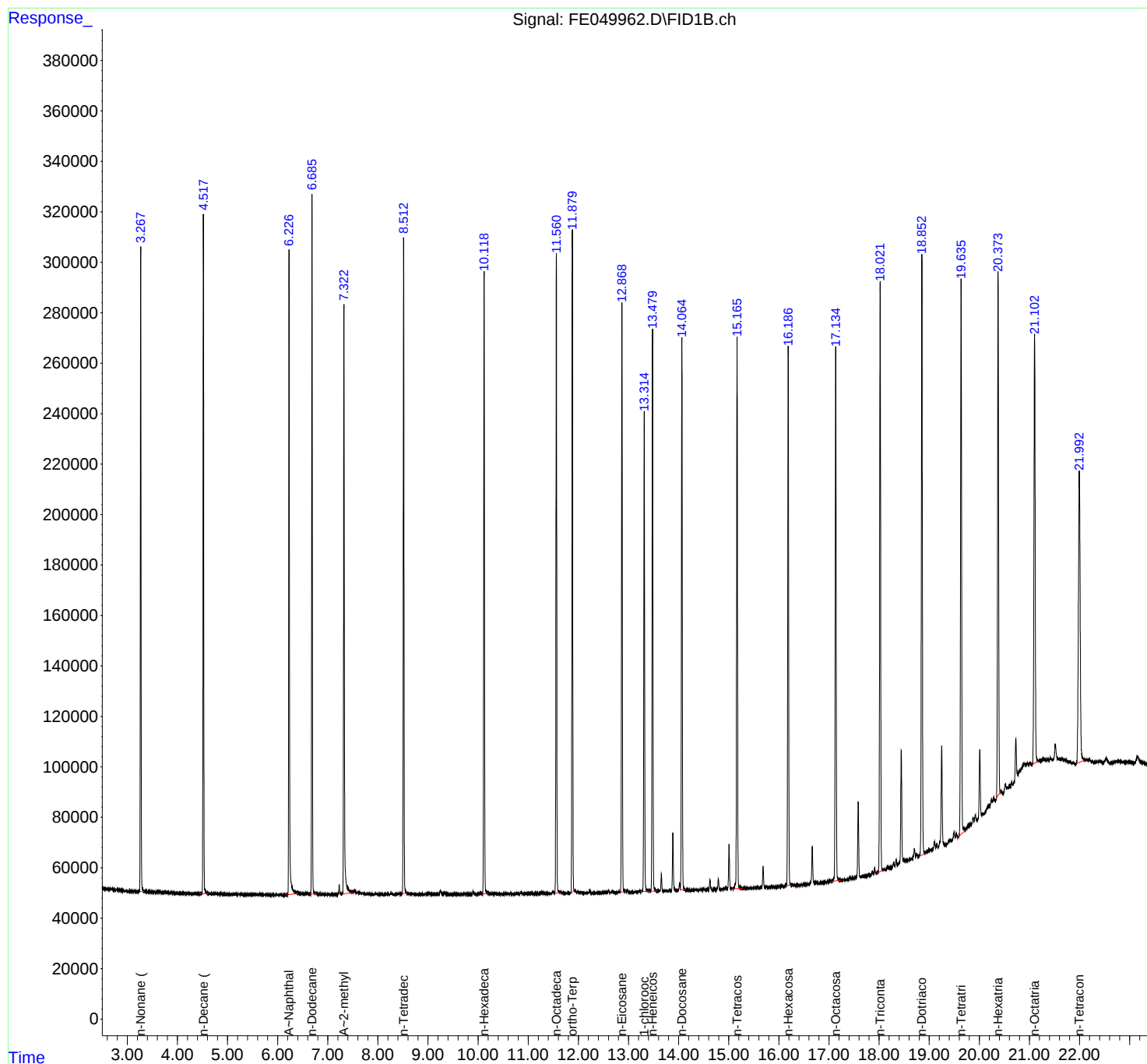
Instrument :
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20 PPM ALIPHATIC HC STD

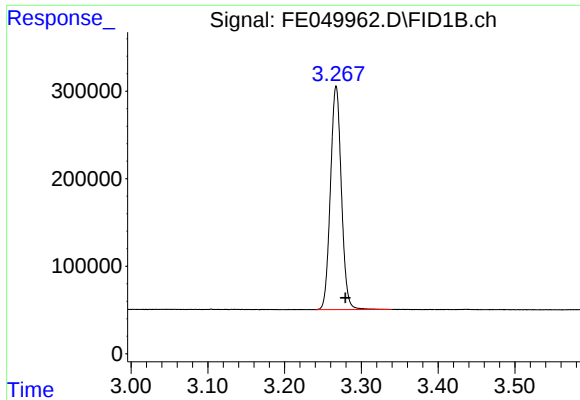
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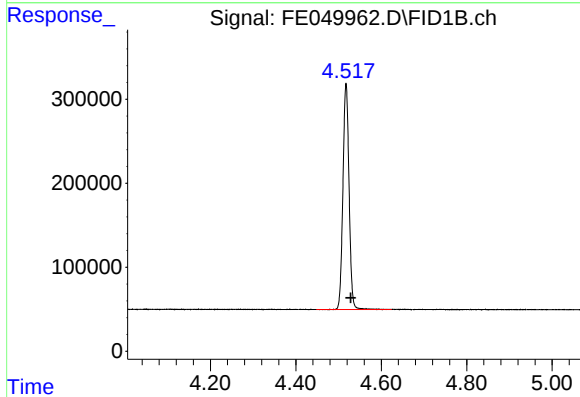
#1 n-Nonane (C9)

R.T.: 3.267 min
Delta R.T.: -0.012 min
Response: 2525490
Conc: 16.32 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

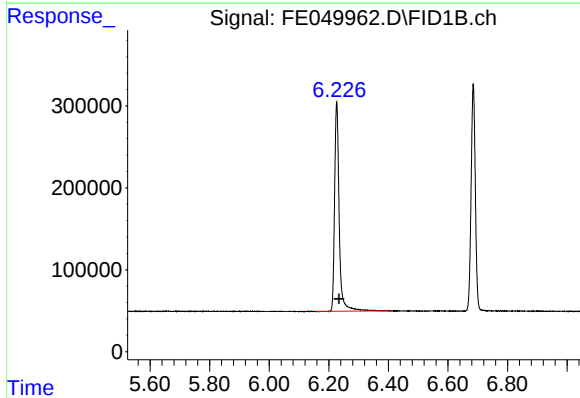
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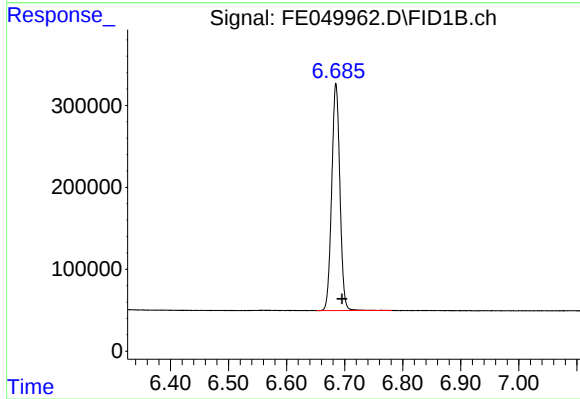
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: -0.011 min
Response: 2675817
Conc: 16.95 ug/ml



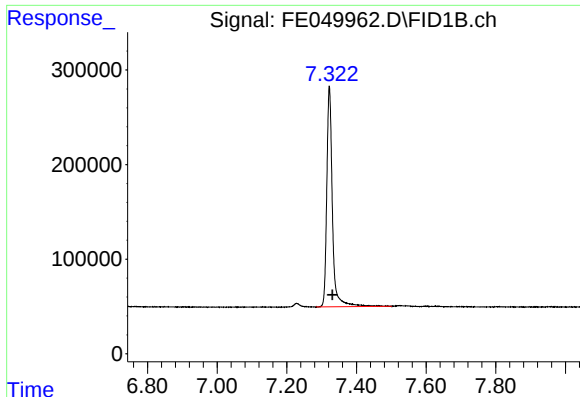
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.008 min
Response: 2745223
Conc: 17.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.685 min
Delta R.T.: -0.011 min
Response: 2722395
Conc: 17.32 ug/ml



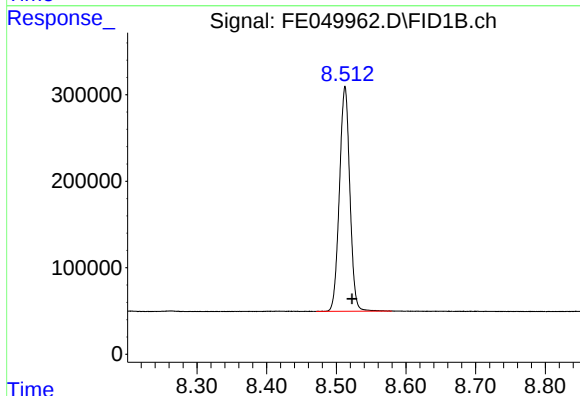
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.008 min
Response: 2623831
Conc: 17.52 ug/ml

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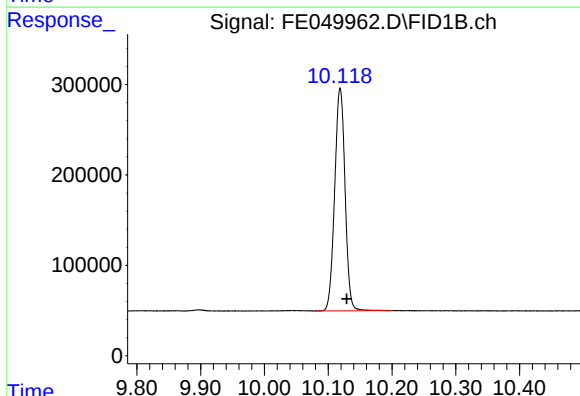
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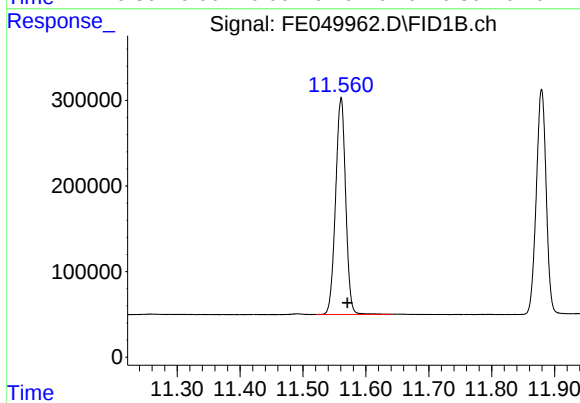
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.010 min
Response: 2693490
Conc: 17.45 ug/ml



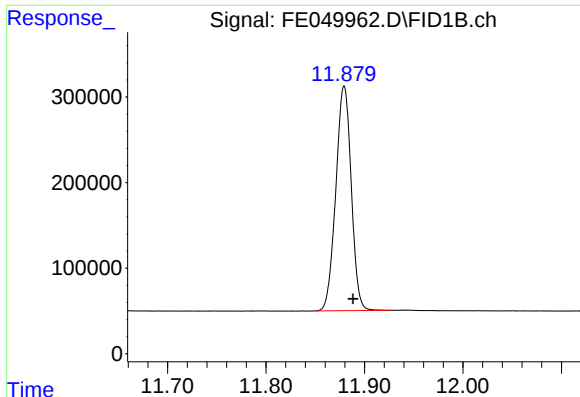
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.010 min
Response: 2787328
Conc: 17.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.010 min
Response: 2825024
Conc: 17.99 ug/ml



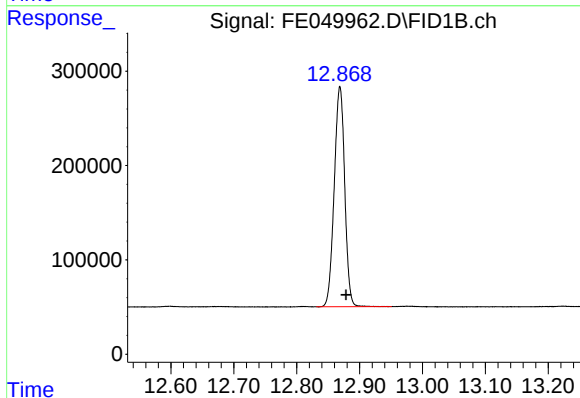
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.009 min
Response: 2859725
Conc: 17.68 ug/ml

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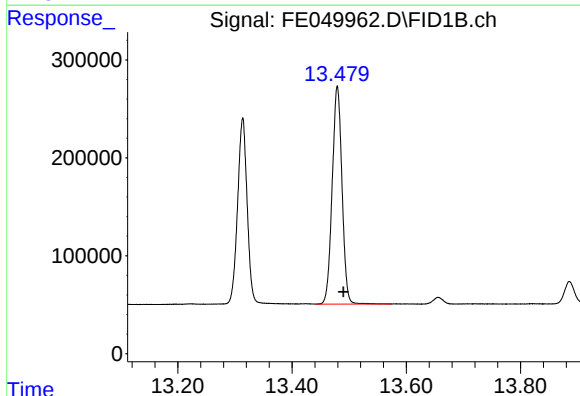
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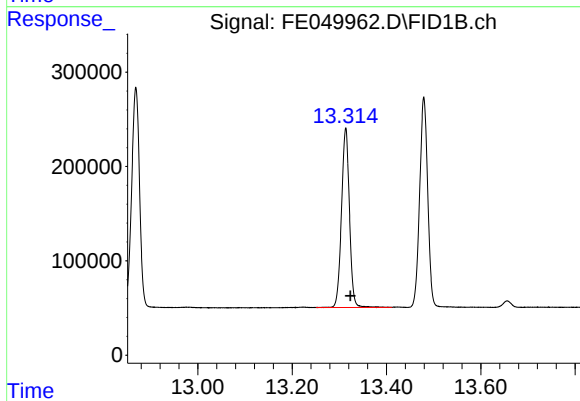
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.010 min
Response: 2706579
Conc: 18.13 ug/ml



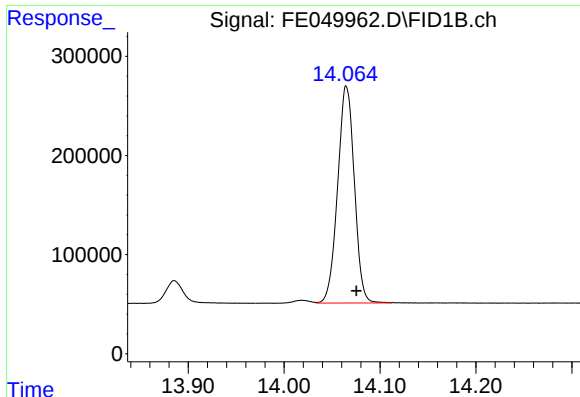
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.011 min
Response: 2650472
Conc: 18.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.010 min
Response: 2223649
Conc: 18.23 ug/ml



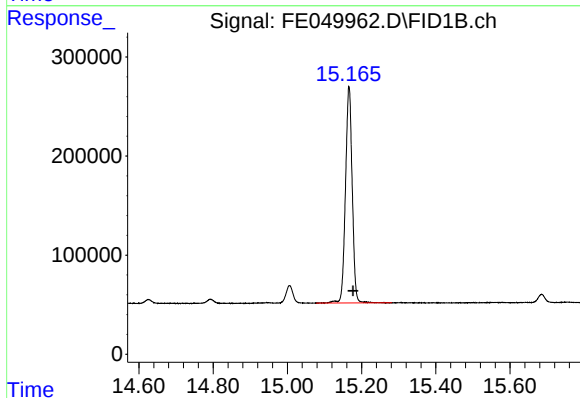
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: -0.011 min
Response: 2650333
Conc: 18.18 ug/ml

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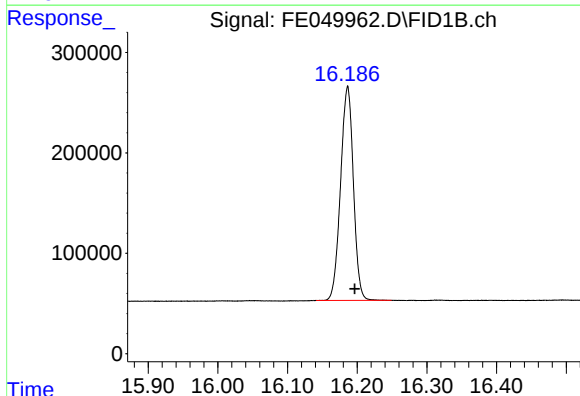
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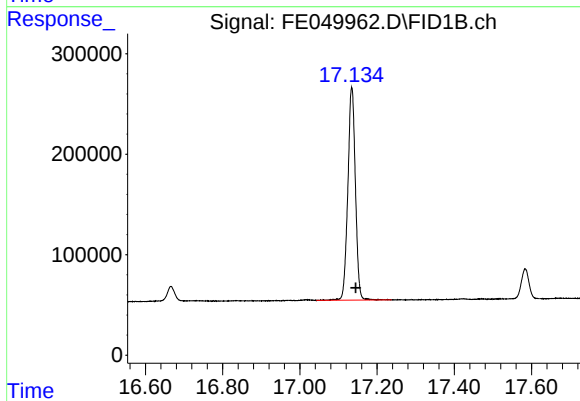
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: -0.011 min
Response: 2751267
Conc: 18.91 ug/ml



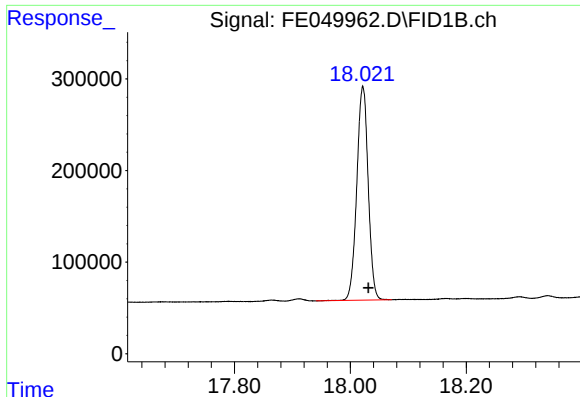
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.010 min
Response: 2726636
Conc: 18.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.010 min
Response: 2884524
Conc: 20.03 ug/ml



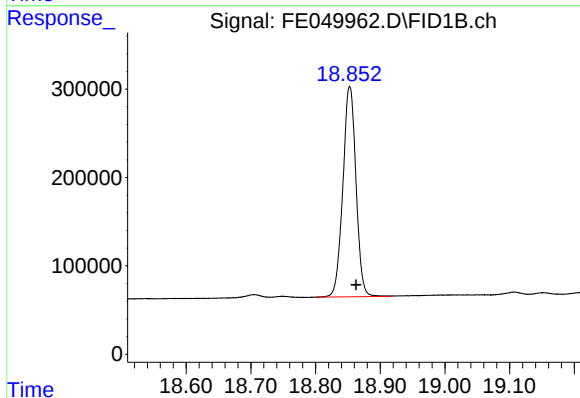
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.009 min
Response: 3186628
Conc: 21.29 ug/ml

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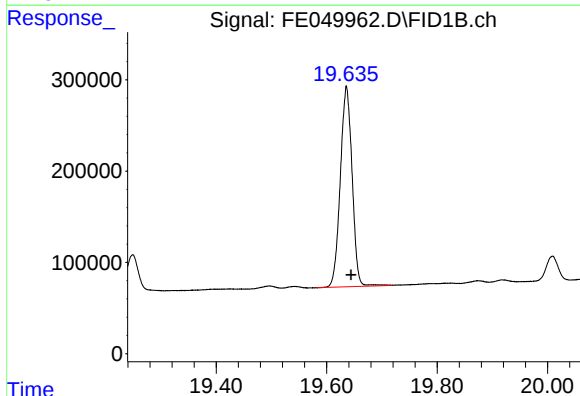
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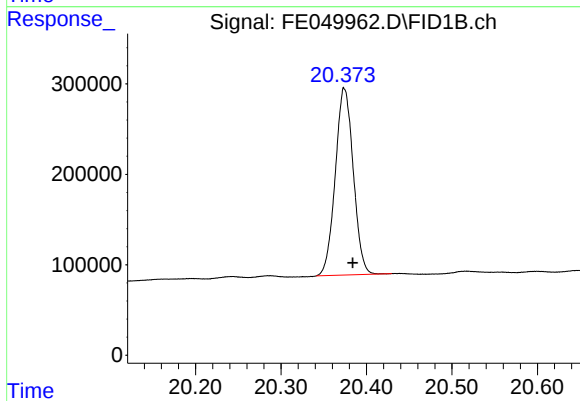
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: -0.010 min
Response: 3356580
Conc: 22.19 ug/ml



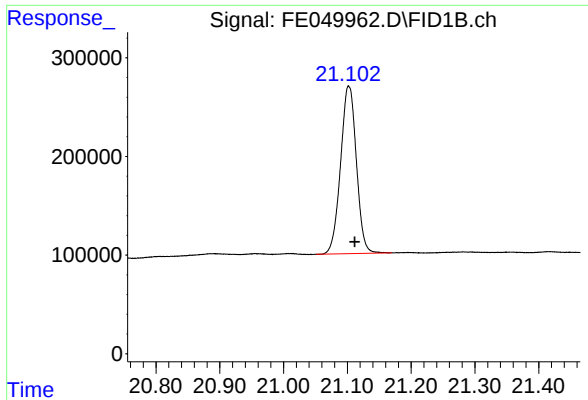
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: -0.009 min
Response: 3253497
Conc: 21.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: -0.010 min
Response: 3028417
Conc: 19.94 ug/ml



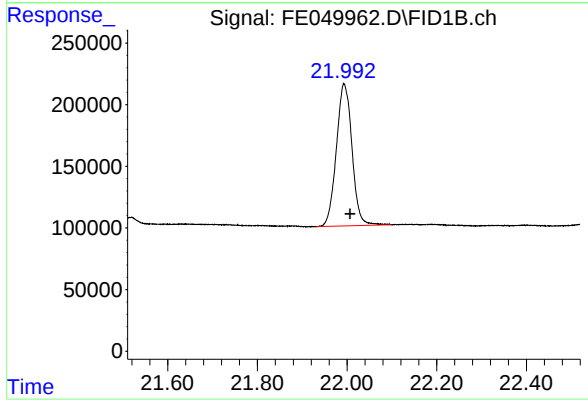
#21 n-Octatriacontane (C38)

R.T.: 21.102 min
Delta R.T.: -0.009 min
Response: 2924947
Conc: 18.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.014 min
Response: 2791028
Conc: 18.28 ug/ml