

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090924AL\
 Data File : FE049965.D
 Signal(s) : FID1B.ch
 Acq On : 09 Sep 2024 09:11
 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 09/10/2024
 Supervised By :Ankita Jodhani 09/10/2024

Integration File: autoint1.e
 Quant Time: Sep 10 01:59:58 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)	11.880	3117660	19.279 ug/ml
Spiked Amount 50.000		Recovery =	38.56%
12) S 1-chlorooctadecane (S...	13.315	2400572	19.676 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
Target Compounds			
1) T n-Nonane (C9)	3.268	2714580	17.541 ug/ml
2) T n-Decane (C10)	4.518	2890862	18.309 ug/ml
3) T A~Naphthalene (C11.7)	6.227	2966644	18.489 ug/ml
4) T n-Dodecane (C12)	6.686	2938712	18.693 ug/ml
5) T A~2-methylnaphthalene...	7.323	2839449	18.961 ug/ml
6) T n-Tetradecane (C14)	8.513	2899778	18.783 ug/ml
7) T n-Hexadecane (C16)	10.119	3012236	19.287 ug/ml
8) T n-Octadecane (C18)	11.561	3055522	19.455 ug/ml
10) T n-Eicosane (C20)	12.870	2930808	19.629 ug/ml
11) T n-Heneicosane (C21)	13.481	2862926	19.516 ug/ml
13) T n-Docosane (C22)	14.066	2881618	19.771 ug/mlm
14) T n-Tetracosane (C24)	15.168	2947410	20.262 ug/ml
15) T n-Hexacosane (C26)	16.188	2933232	20.324 ug/ml
16) T n-Octacosane (C28)	17.136	3082341	21.399 ug/ml
17) T n-Tricontane (C30)	18.022	3494211	23.341 ug/ml
18) T n-Dotriacontane (C32)	18.854	3668552	24.250 ug/ml
19) T n-Tetratriacontane (C34)	19.638	3545659	23.192 ug/ml
20) T n-Hexatriacontane (C36)	20.377	3363016	22.147 ug/ml
21) T n-Octatriacontane (C38)	21.104	3196431	20.366 ug/ml
22) T n-Tetracontane (C40)	21.997	2822821	18.489 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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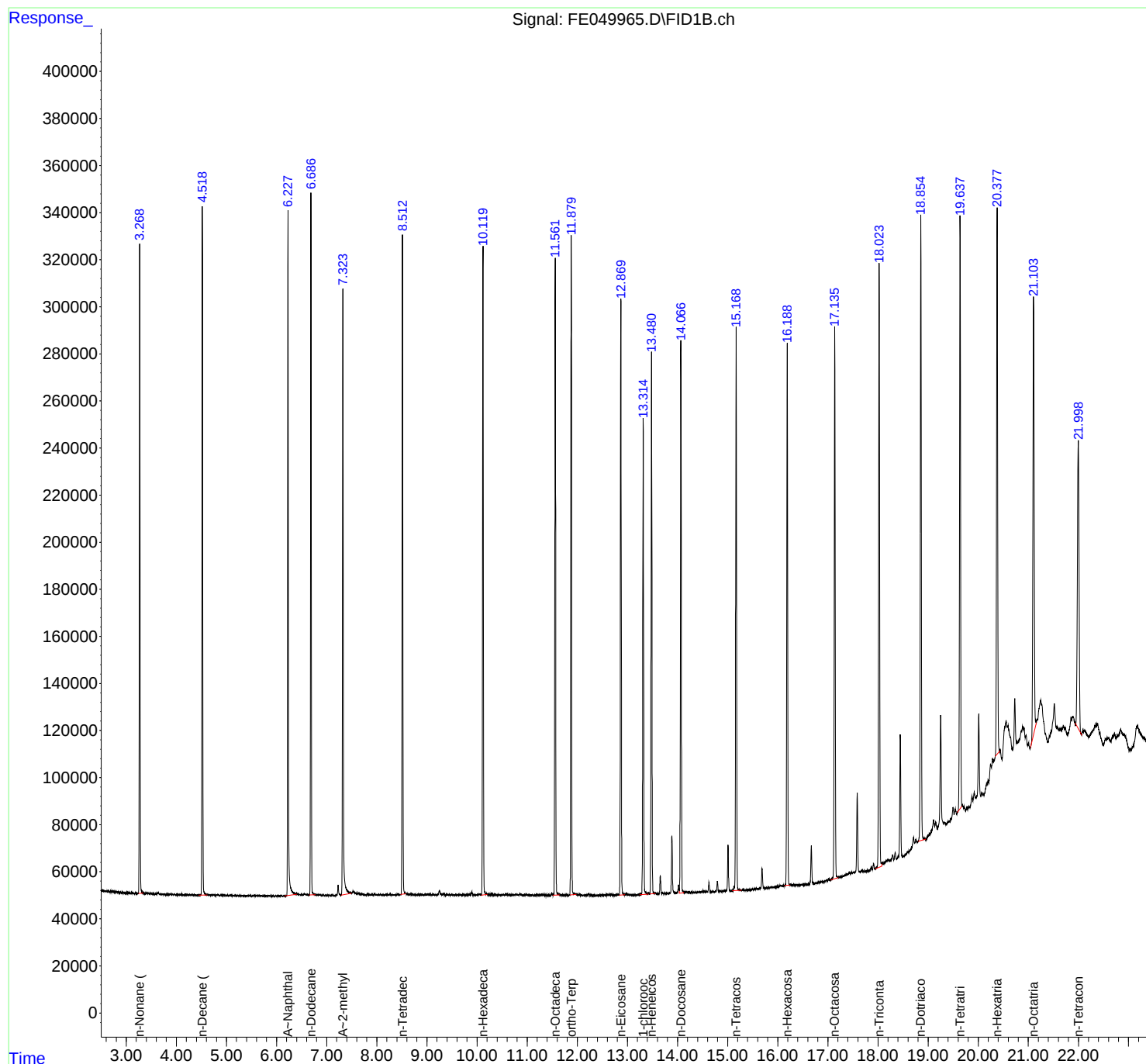
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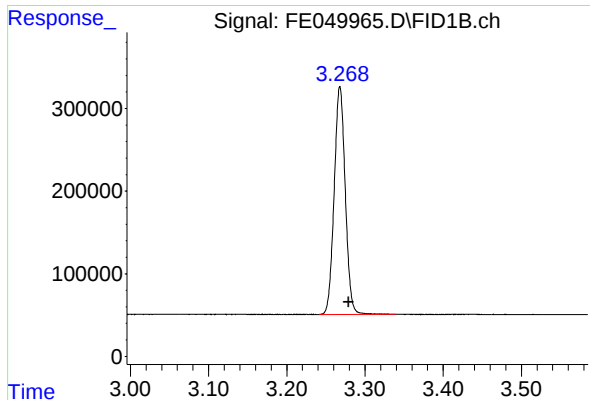
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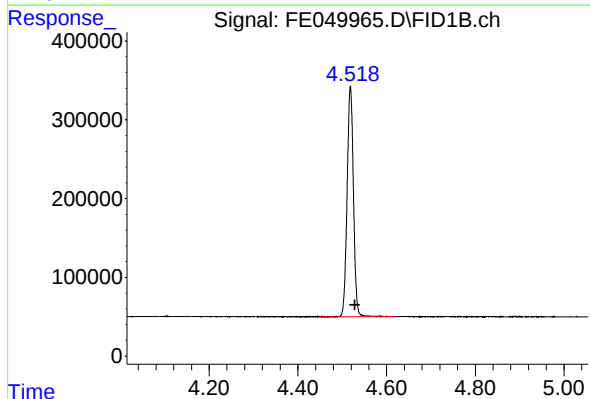
#1 n-Nonane (C9)

R.T.: 3.268 min
Delta R.T.: -0.011 min
Response: 2714580
Conc: 17.54 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

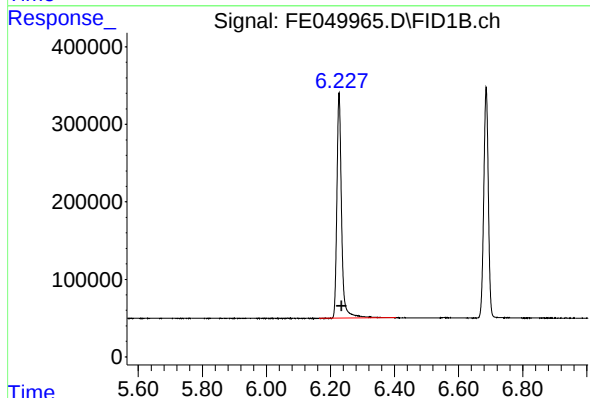
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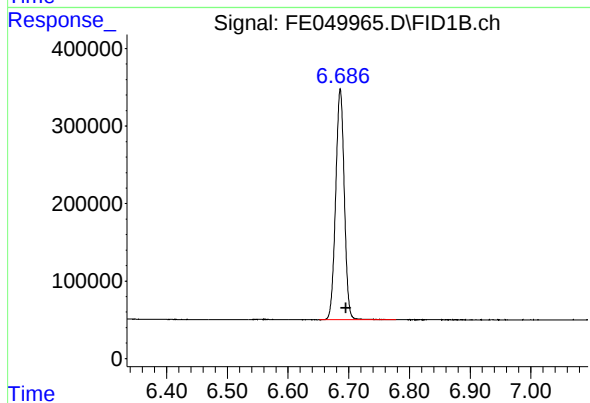
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: -0.010 min
Response: 2890862
Conc: 18.31 ug/ml



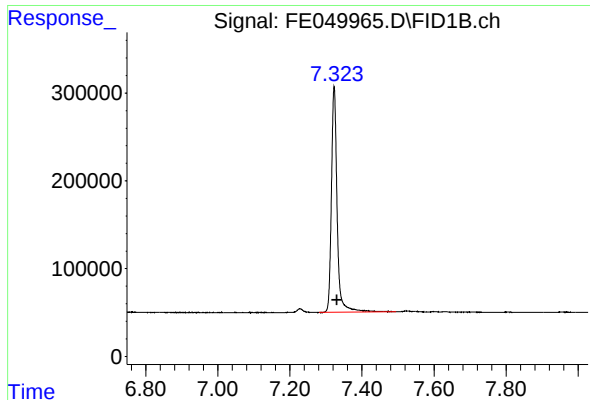
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.008 min
Response: 2966644
Conc: 18.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.010 min
Response: 2938712
Conc: 18.69 ug/ml



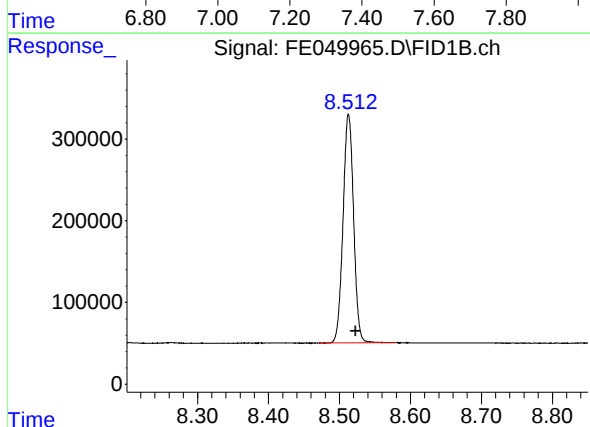
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.008 min
Response: 2839449
Conc: 18.96 ug/ml

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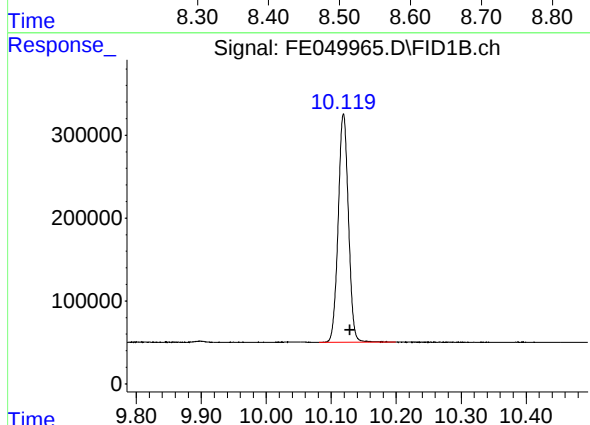
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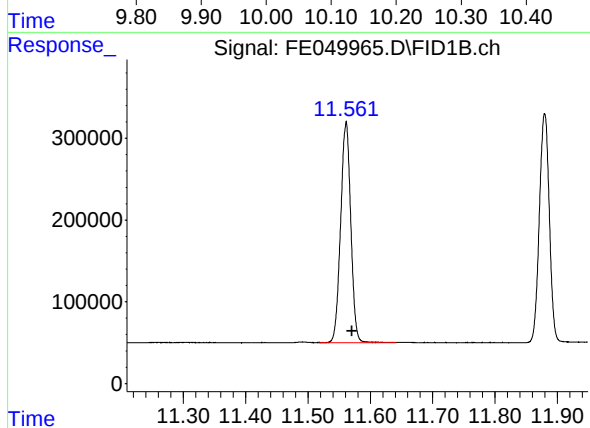
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.010 min
Response: 2899778
Conc: 18.78 ug/ml



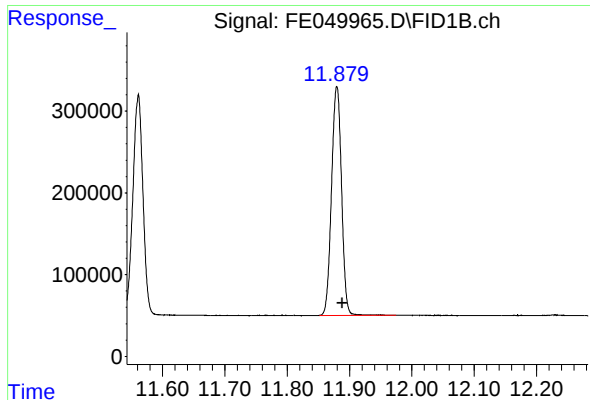
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.010 min
Response: 3012236
Conc: 19.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.010 min
Response: 3055522
Conc: 19.46 ug/ml



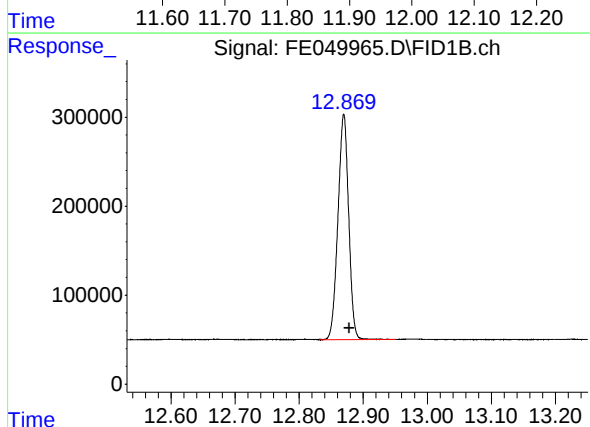
#9 ortho-Terphenyl (SURR)

R.T.: 11.880 min
Delta R.T.: -0.009 min
Response: 3117660
Conc: 19.28 ug/ml

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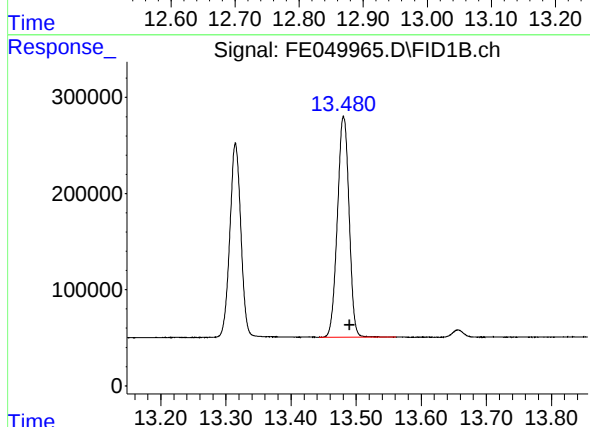
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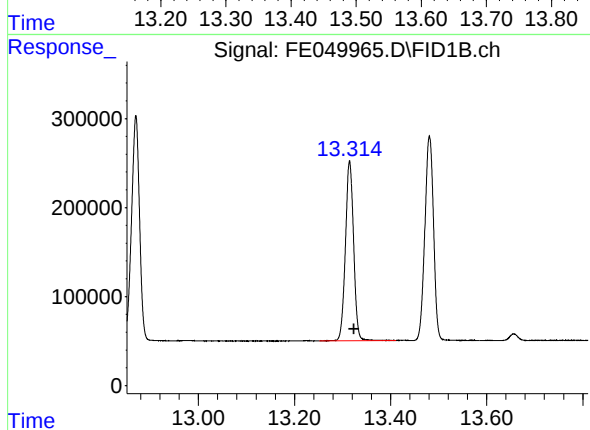
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: -0.009 min
Response: 2930808
Conc: 19.63 ug/ml



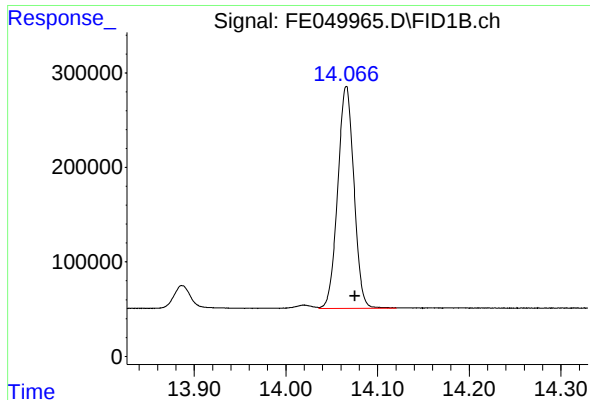
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: -0.009 min
Response: 2862926
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.315 min
Delta R.T.: -0.009 min
Response: 2400572
Conc: 19.68 ug/ml



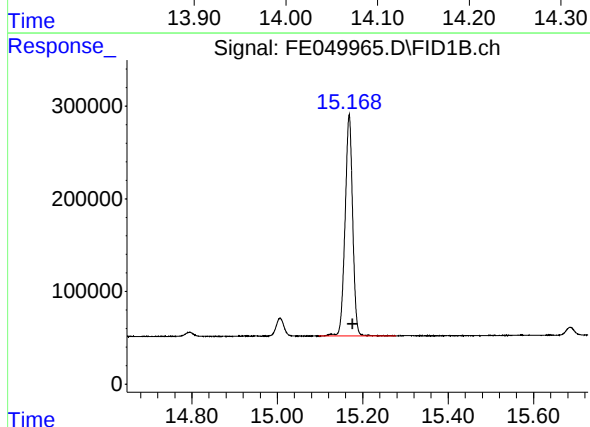
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.009 min
Response: 2881618
Conc: 19.77 ug/ml

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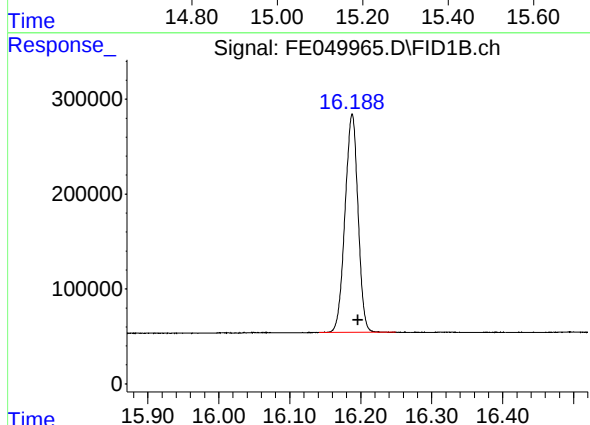
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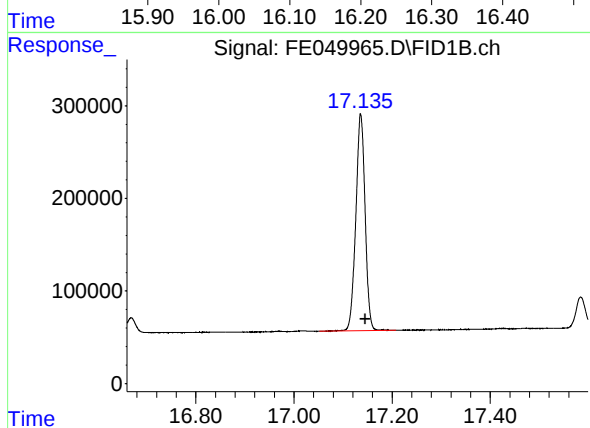
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: -0.009 min
Response: 2947410
Conc: 20.26 ug/ml



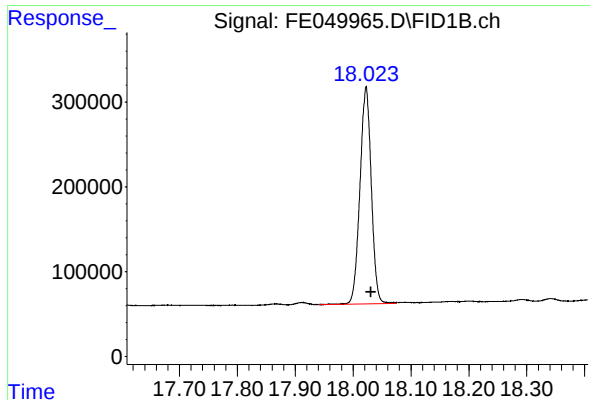
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: -0.009 min
Response: 2933232
Conc: 20.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.136 min
Delta R.T.: -0.009 min
Response: 3082341
Conc: 21.40 ug/ml



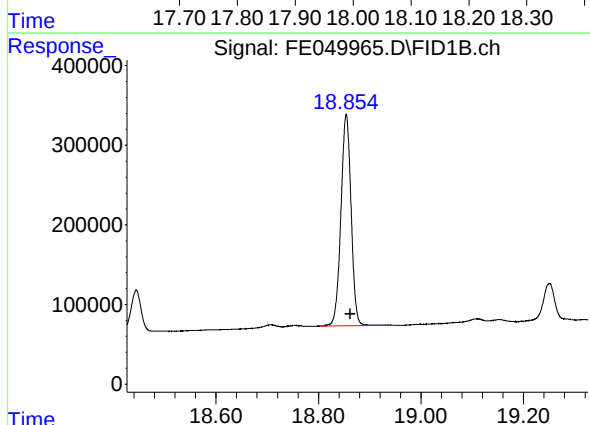
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.009 min
Response: 3494211
Conc: 23.34 ug/ml

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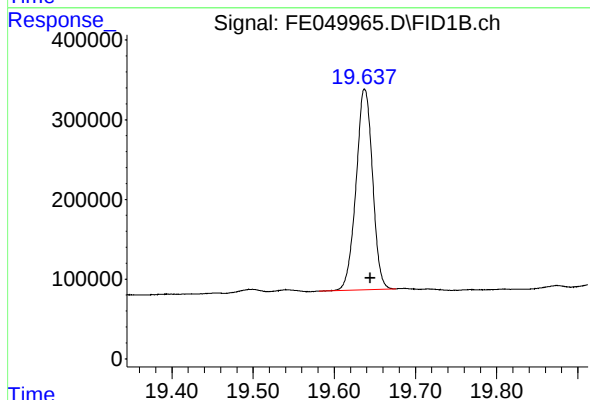
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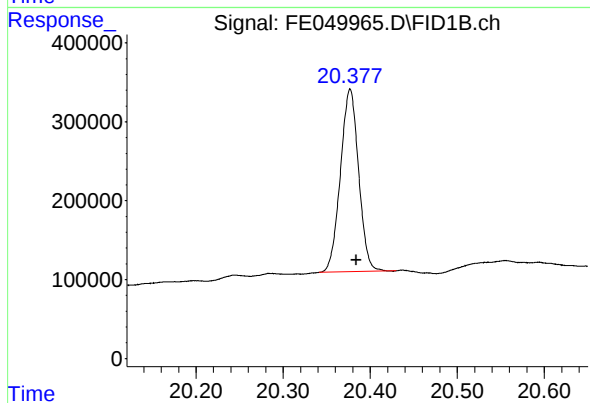
#18 n-Dotriacontane (C32)

R.T.: 18.854 min
Delta R.T.: -0.008 min
Response: 3668552
Conc: 24.25 ug/ml



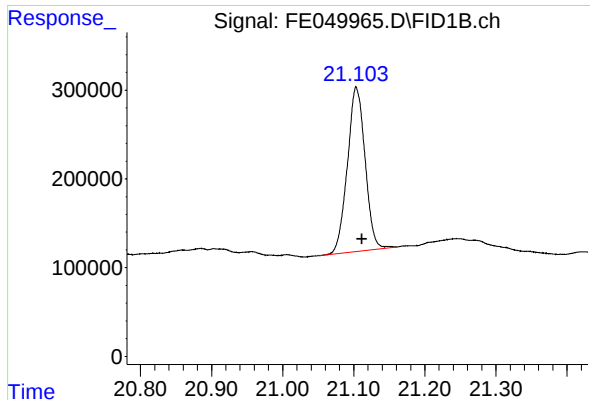
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: -0.007 min
Response: 3545659
Conc: 23.19 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.377 min
Delta R.T.: -0.007 min
Response: 3363016
Conc: 22.15 ug/ml



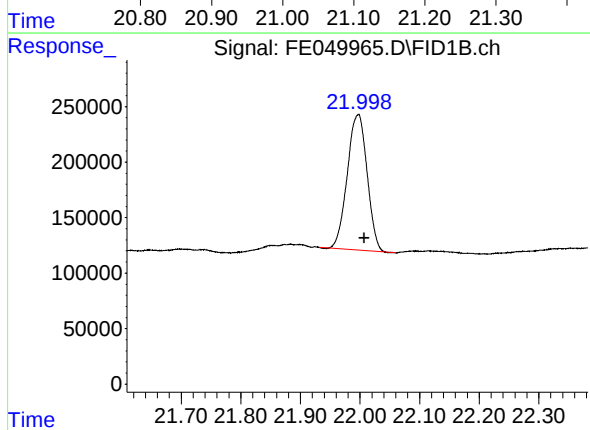
#21 n-Octatriacontane (C38)

R.T.: 21.104 min
Delta R.T.: -0.008 min
Response: 3196431
Conc: 20.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.011 min
Response: 2822821
Conc: 18.49 ug/ml