

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070824AL\
 Data File : FE049011.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2024 11:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :Ankita Jodhani 07/09/2024

Integration File: autoint1.e
 Quant Time: Jul 08 12:25:48 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)	11.929	2901268	17.351 ug/mlm
Spiked Amount 50.000		Recovery =	34.70%
12) S 1-chlorooctadecane (S...	13.365	2066411	16.070 ug/mlm
Spiked Amount 50.000		Recovery =	32.14%
Target Compounds			
1) T n-Nonane (C9)	3.315	2599232	17.289 ug/ml
2) T n-Decane (C10)	4.565	2748863	17.862 ug/ml
3) T A~Naphthalene (C11.7)	6.273	2704648	17.037 ug/ml
4) T n-Dodecane (C12)	6.732	2665607	17.267 ug/ml
5) T A~2-methylnaphthalene...	7.369	2573862	16.996 ug/ml
6) T n-Tetradecane (C14)	8.560	2691747	17.563 ug/ml
7) T n-Hexadecane (C16)	10.167	2690125	17.205 ug/ml
8) T n-Octadecane (C18)	11.611	2661441	16.688 ug/ml
10) T n-Eicosane (C20)	12.918	2658270	17.146 ug/ml
11) T n-Heneicosane (C21)	13.530	2461265	16.164 ug/ml
13) T n-Docosane (C22)	14.117	2448131	16.188 ug/ml
14) T n-Tetracosane (C24)	15.219	2400546	15.974 ug/ml
15) T n-Hexacosane (C26)	16.240	2547772	17.258 ug/ml
16) T n-Octacosane (C28)	17.189	2437406	16.901 ug/ml
17) T n-Tricontane (C30)	18.076	2531209	17.302 ug/ml
18) T n-Dotriacontane (C32)	18.909	2573966	18.002 ug/ml
19) T n-Tetratriacontane (C34)	19.692	2505820	18.109 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2549811	19.619 ug/ml
21) T n-Octatriacontane (C38)	21.166	2479441	19.341 ug/ml
22) T n-Tetracontane (C40)	22.082	2553921	20.855 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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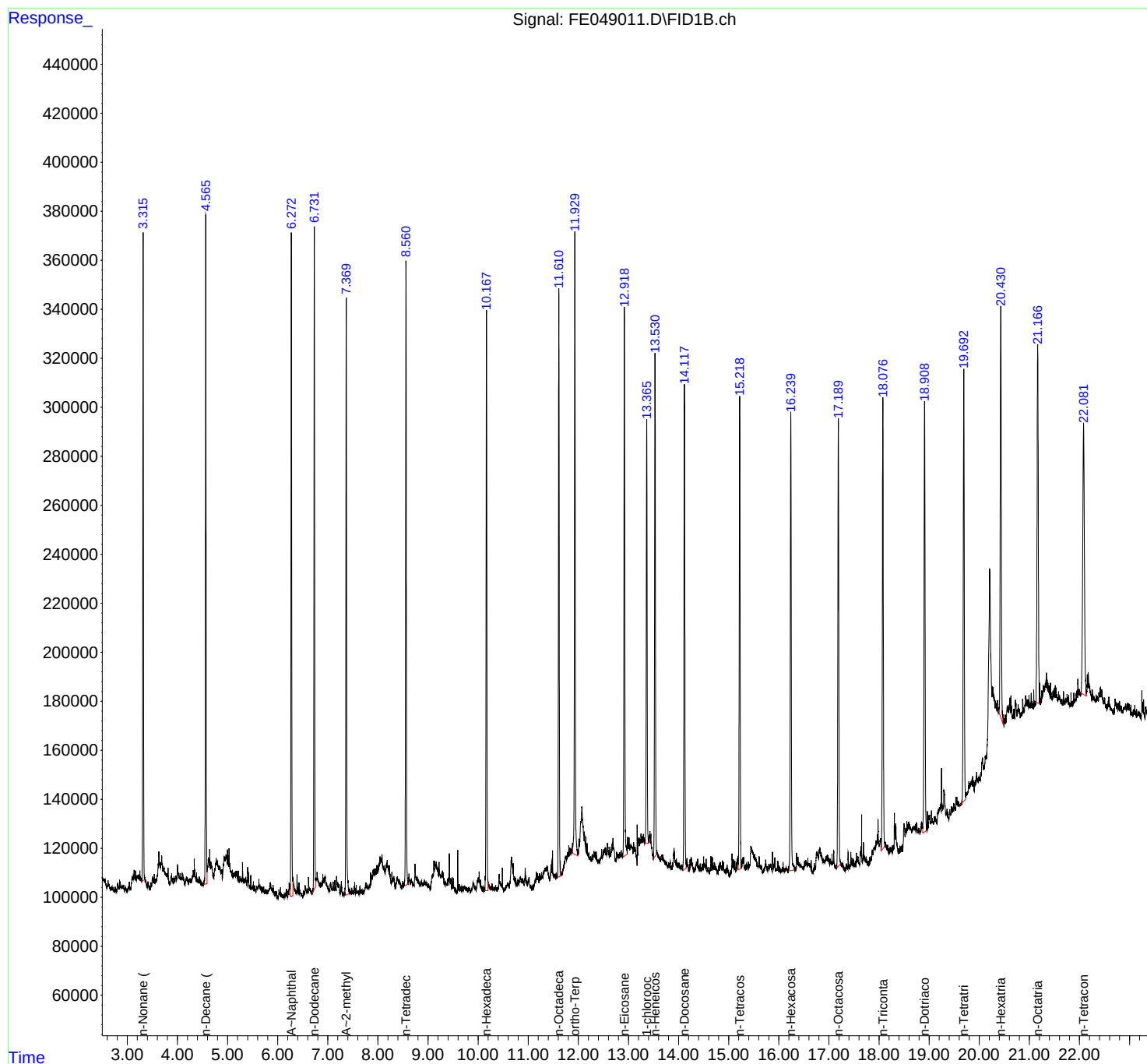
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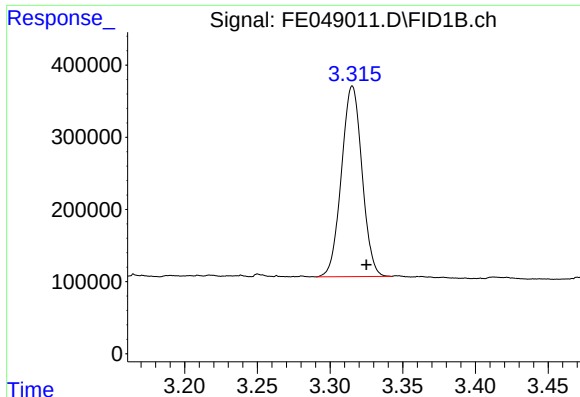
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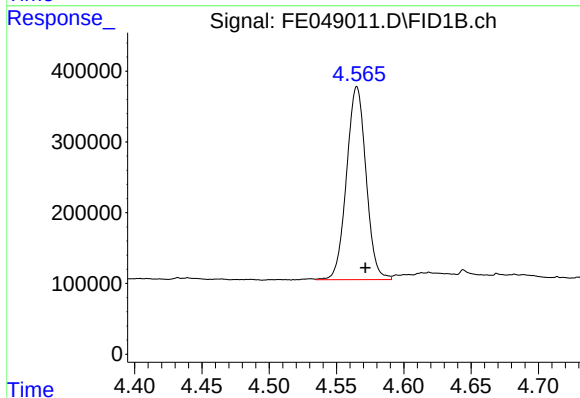
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.010 min
Response: 2599232
Conc: 17.29 ug/ml

Instrument :
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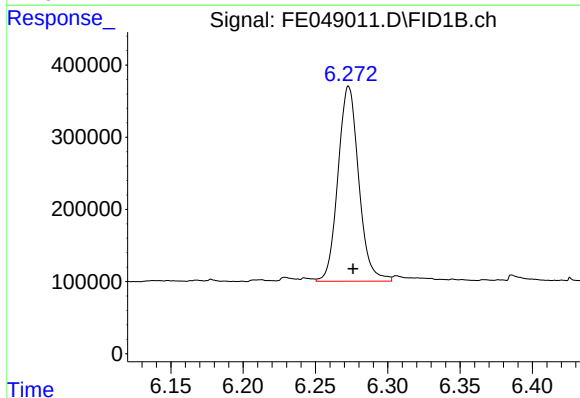
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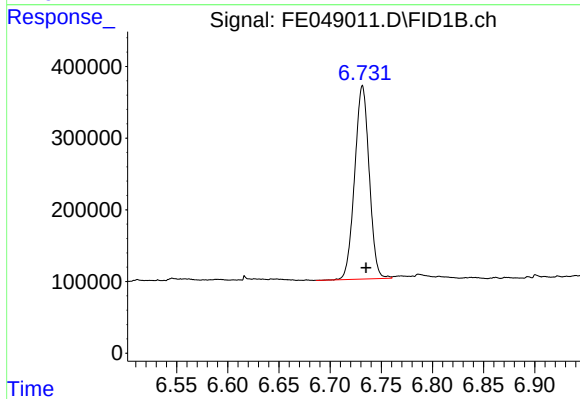
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: -0.006 min
Response: 2748863
Conc: 17.86 ug/ml



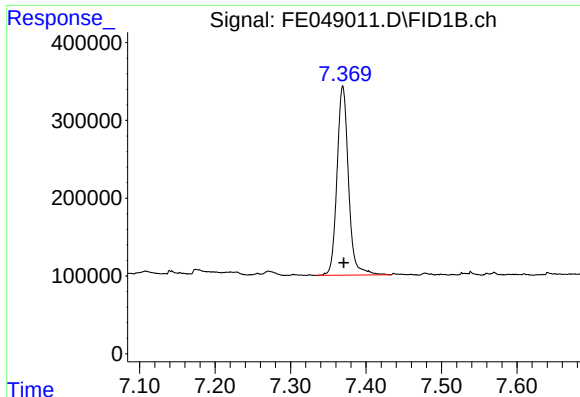
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: -0.003 min
Response: 2704648
Conc: 17.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: -0.004 min
Response: 2665607
Conc: 17.27 ug/ml



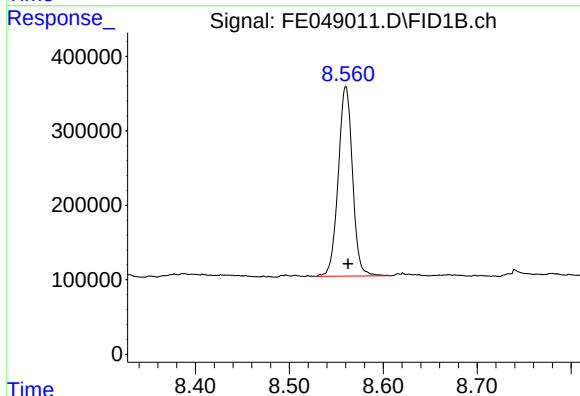
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.001 min
Response: 2573862
Conc: 17.00 ug/ml

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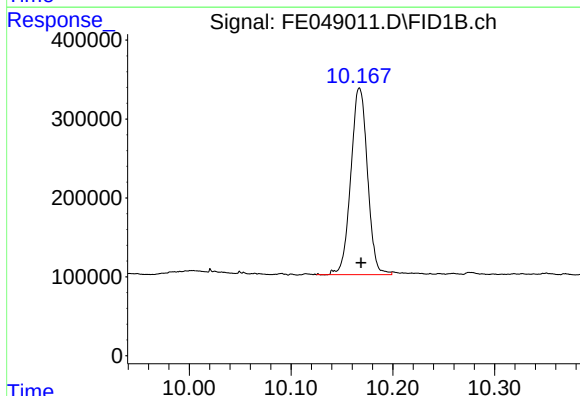
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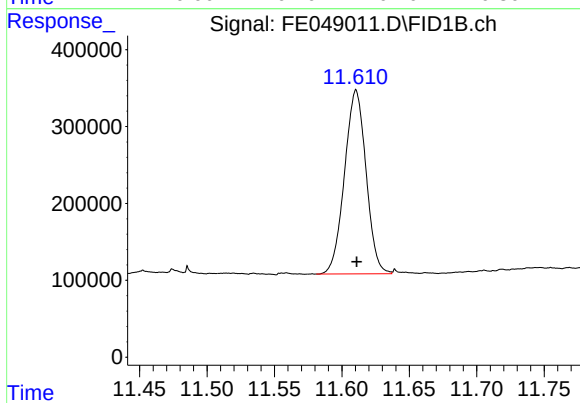
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: -0.002 min
Response: 2691747
Conc: 17.56 ug/ml



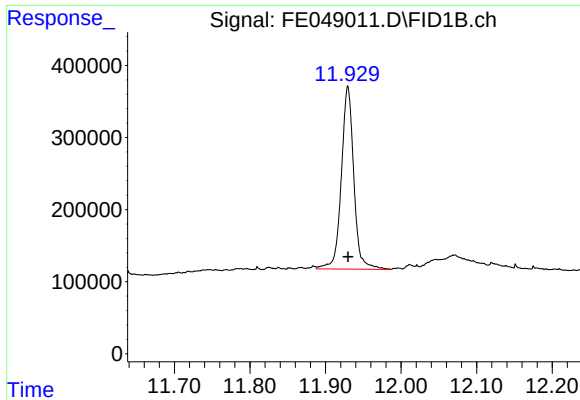
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.002 min
Response: 2690125
Conc: 17.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 2661441
Conc: 16.69 ug/ml



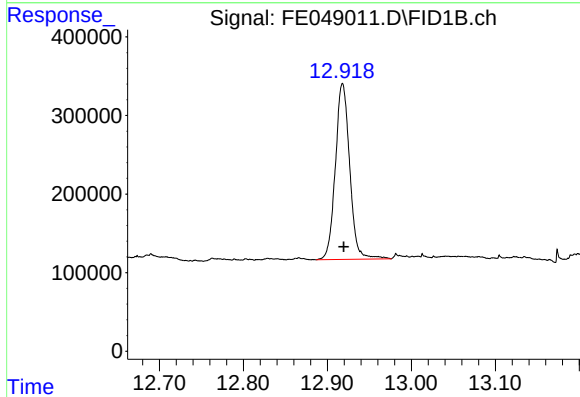
#9 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: 0.000 min
Response: 2901268
Conc: 17.35 ug/ml

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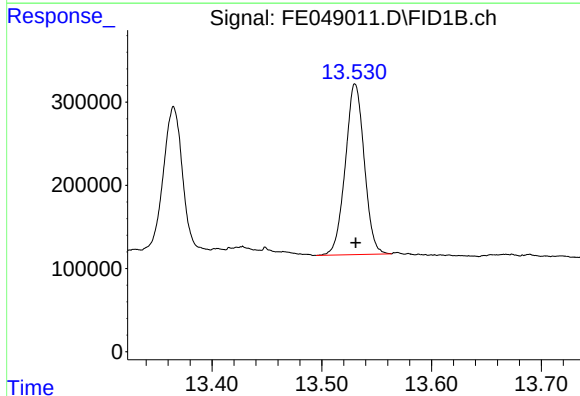
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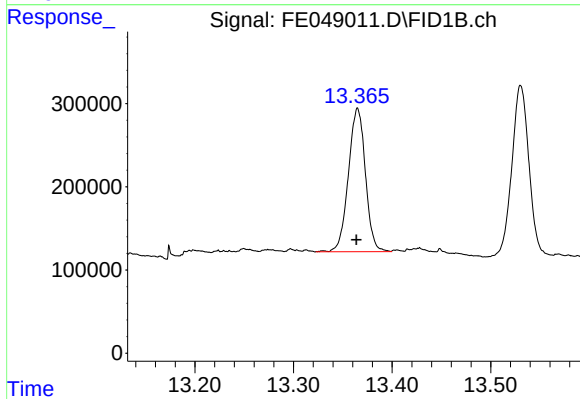
#10 n-Eicosane (C20)

R.T.: 12.918 min
Delta R.T.: -0.001 min
Response: 2658270
Conc: 17.15 ug/ml



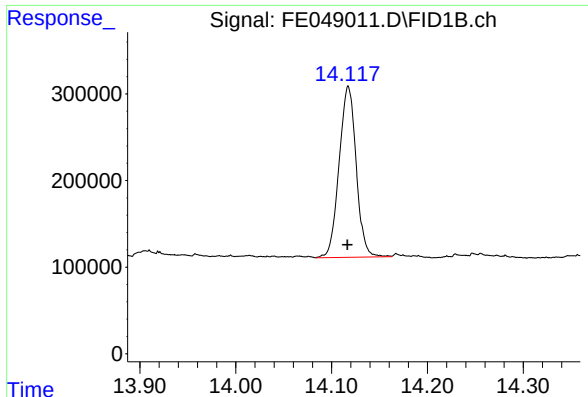
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: 0.000 min
Response: 2461265
Conc: 16.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.365 min
Delta R.T.: 0.000 min
Response: 2066411
Conc: 16.07 ug/ml m



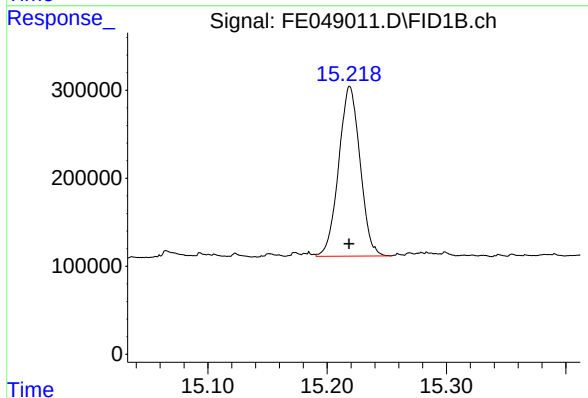
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: 0.000 min
Response: 2448131
Conc: 16.19 ug/ml

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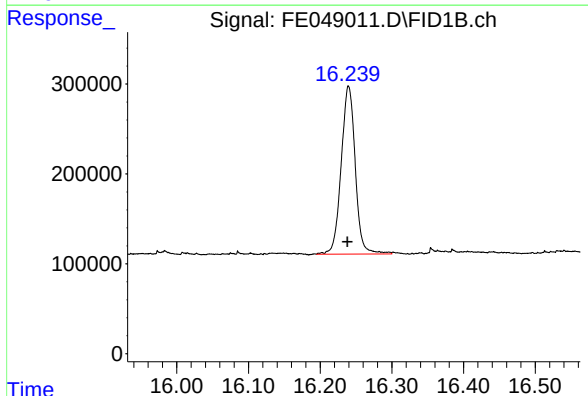
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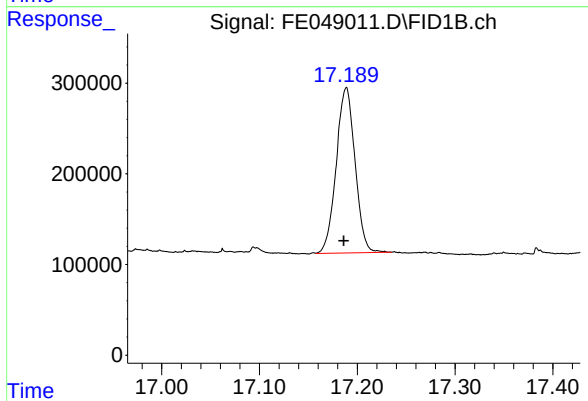
#14 n-Tetracosane (C24)

R.T.: 15.219 min
Delta R.T.: 0.000 min
Response: 2400546
Conc: 15.97 ug/ml



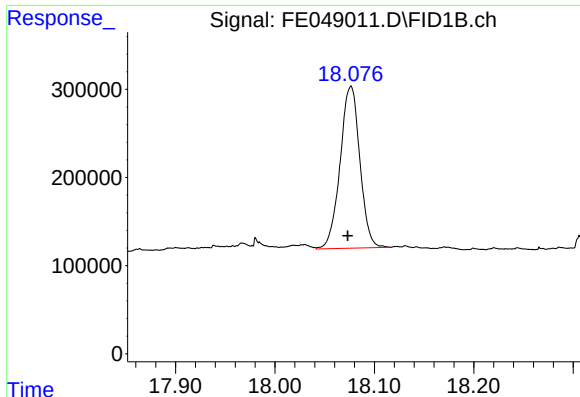
#15 n-Hexacosane (C26)

R.T.: 16.240 min
Delta R.T.: 0.001 min
Response: 2547772
Conc: 17.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.189 min
Delta R.T.: 0.003 min
Response: 2437406
Conc: 16.90 ug/ml



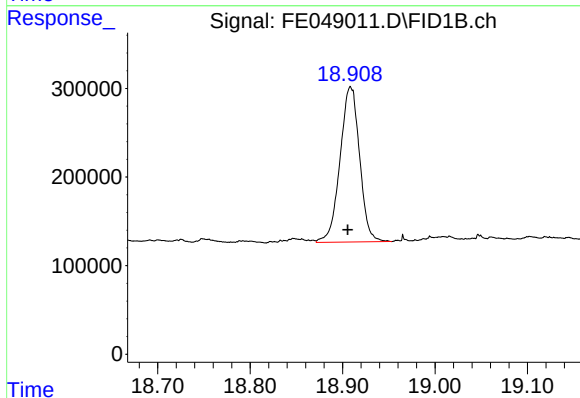
#17 n-Tricontane (C30)

R.T.: 18.076 min
Delta R.T.: 0.003 min
Response: 2531209
Conc: 17.30 ug/ml

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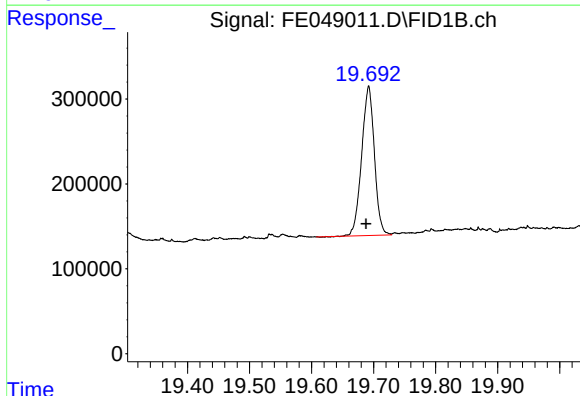
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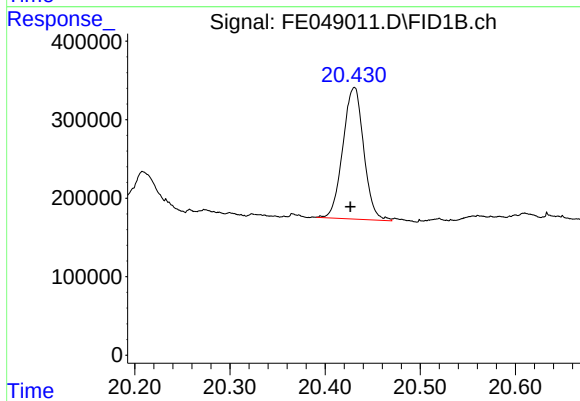
#18 n-Dotriacontane (C32)

R.T.: 18.909 min
Delta R.T.: 0.003 min
Response: 2573966
Conc: 18.00 ug/ml



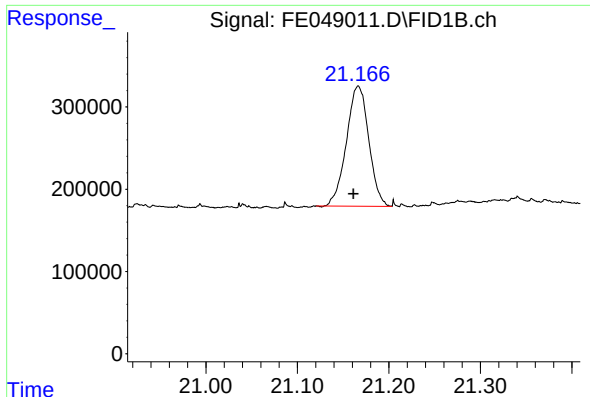
#19 n-Tetratriacontane (C34)

R.T.: 19.692 min
Delta R.T.: 0.004 min
Response: 2505820
Conc: 18.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: 0.004 min
Response: 2549811
Conc: 19.62 ug/ml



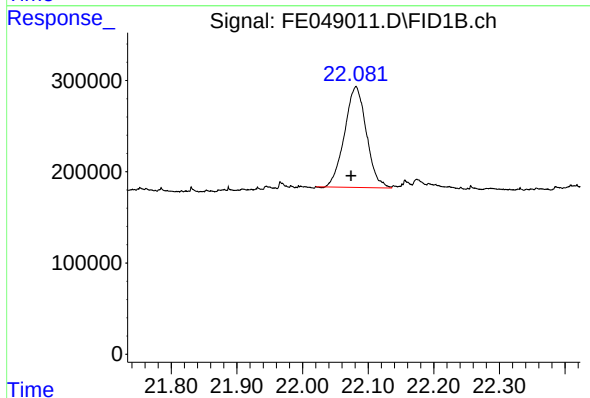
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: 0.005 min
Response: 2479441
Conc: 19.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.082 min
Delta R.T.: 0.007 min
Response: 2553921
Conc: 20.86 ug/ml