

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062824AL\
 Data File : FE048935.D
 Signal(s) : FID1B.ch
 Acq On : 29 Jun 2024 01:56
 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 07/01/2024
 Supervised By :Ankita Jodhani 07/01/2024

Integration File: autoint1.e
 Quant Time: Jun 29 02:50:08 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)	11.936	2747664	16.432 ug/ml
Spiked Amount 50.000		Recovery =	32.86%
12) S 1-chlorooctadecane (S...	13.371	2101634	16.344 ug/ml
Spiked Amount 50.000		Recovery =	32.69%
Target Compounds			
1) T n-Nonane (C9)	3.321	2356617	15.675 ug/ml
2) T n-Decane (C10)	4.571	2587126	16.811 ug/ml
3) T A~Naphthalene (C11.7)	6.279	2634915	16.598 ug/ml
4) T n-Dodecane (C12)	6.737	2599405	16.838 ug/ml
5) T A~2-methylnaphthalene...	7.375	2541266	16.781 ug/ml
6) T n-Tetradecane (C14)	8.565	2595676	16.936 ug/ml
7) T n-Hexadecane (C16)	10.173	2703683	17.292 ug/ml
8) T n-Octadecane (C18)	11.616	2707548	16.977 ug/ml
10) T n-Eicosane (C20)	12.925	2591915	16.718 ug/ml
11) T n-Heneicosane (C21)	13.537	2538464	16.671 ug/ml
13) T n-Docosane (C22)	14.122	2575529	17.030 ug/ml
14) T n-Tetracosane (C24)	15.226	2665839	17.739 ug/ml
15) T n-Hexacosane (C26)	16.245	2783132	18.852 ug/ml
16) T n-Octacosane (C28)	17.195	2953036	20.477 ug/ml
17) T n-Tricontane (C30)	18.083	3429867	23.444 ug/ml
18) T n-Dotriacontane (C32)	18.915	3543840	24.786 ug/mlm
19) T n-Tetratriacontane (C34)	19.698	3234616	23.376 ug/ml
20) T n-Hexatriacontane (C36)	20.437	2907402	22.370 ug/mlm
21) T n-Octatriacontane (C38)	21.174	2797142	21.819 ug/mlm
22) T n-Tetracontane (C40)	22.089	2907678	23.744 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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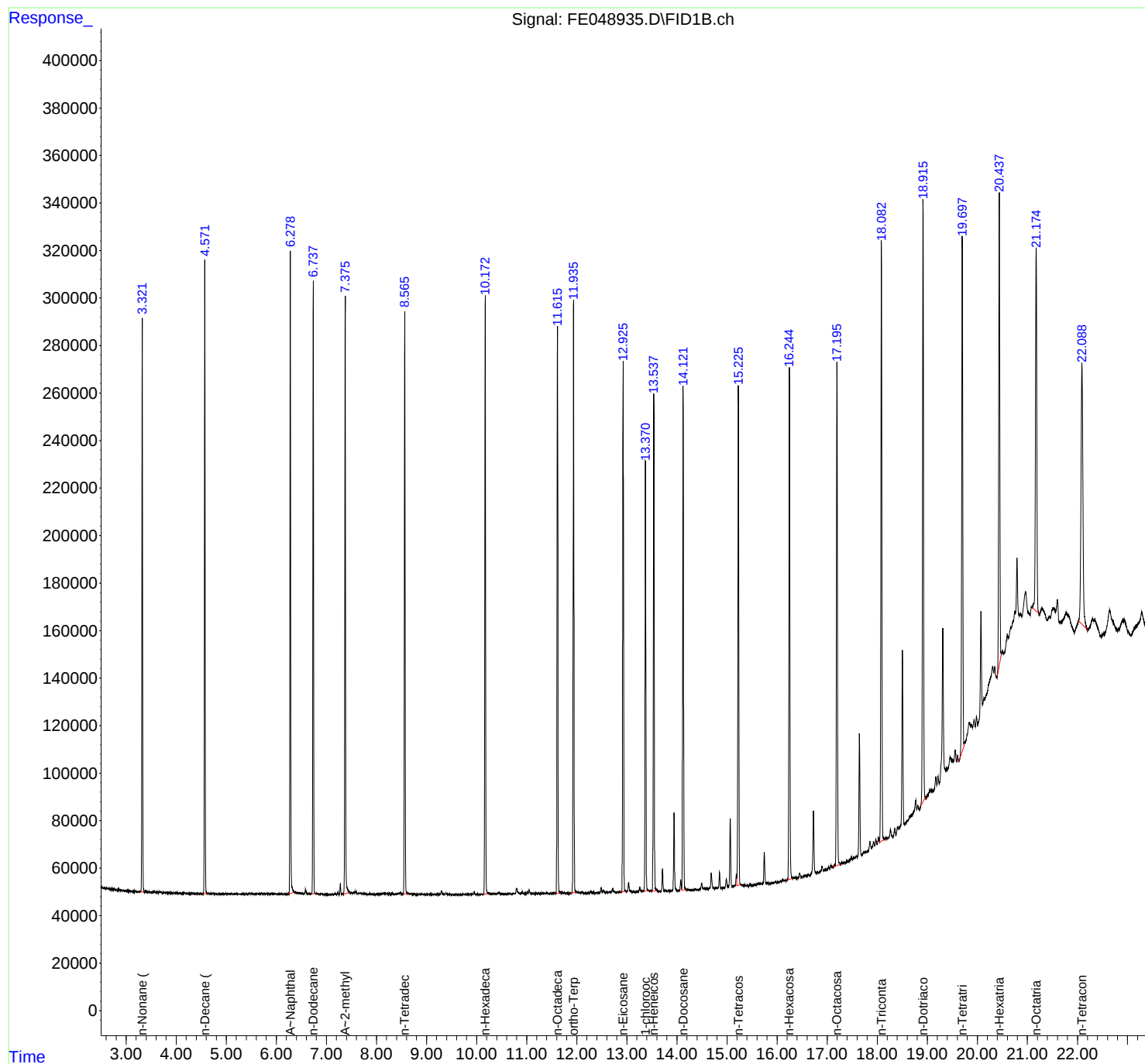
Instrument :
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20 PPM ALIPHATIC HC STD

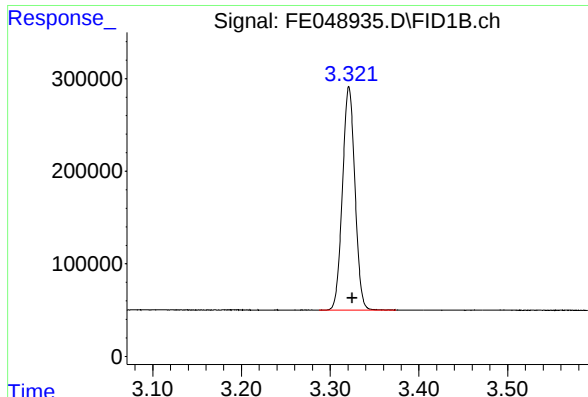
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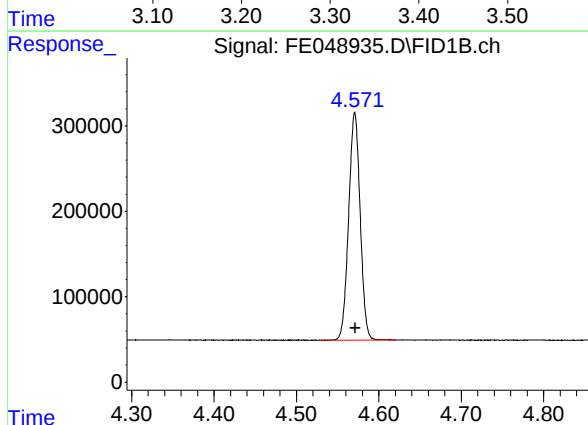
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: -0.004 min
Response: 2356617
Conc: 15.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

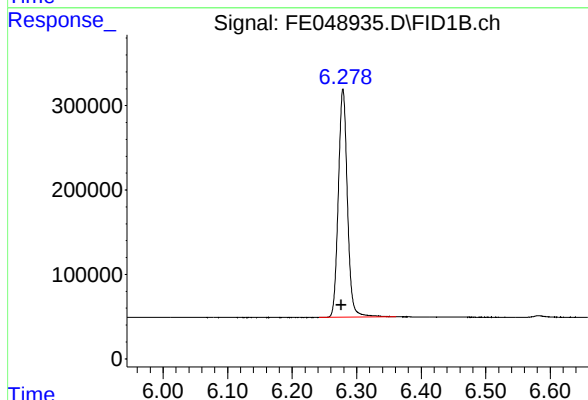
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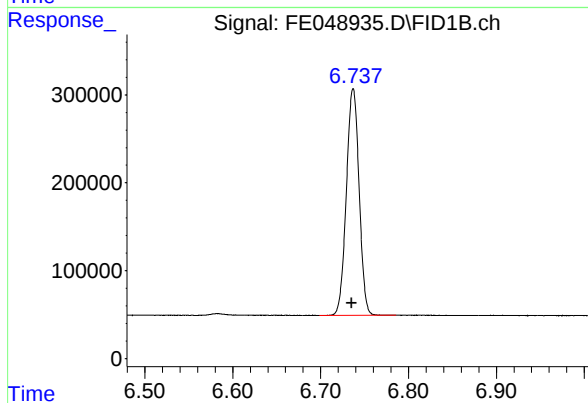
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: 0.000 min
Response: 2587126
Conc: 16.81 ug/ml



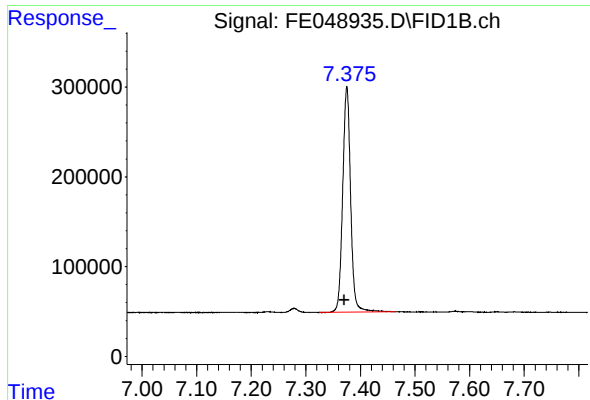
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 2634915
Conc: 16.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.737 min
Delta R.T.: 0.002 min
Response: 2599405
Conc: 16.84 ug/ml



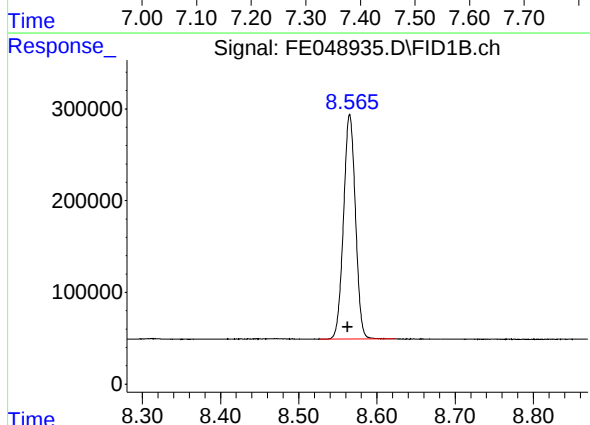
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.375 min
Delta R.T.: 0.005 min
Response: 2541266
Conc: 16.78 ug/ml

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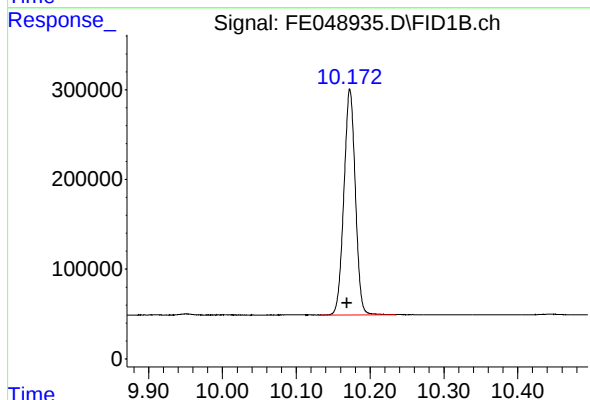
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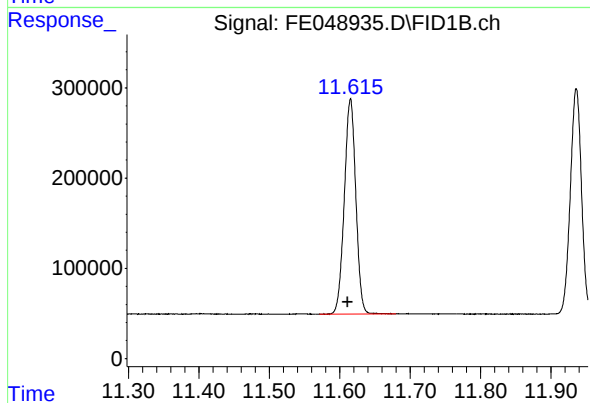
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.003 min
Response: 2595676
Conc: 16.94 ug/ml



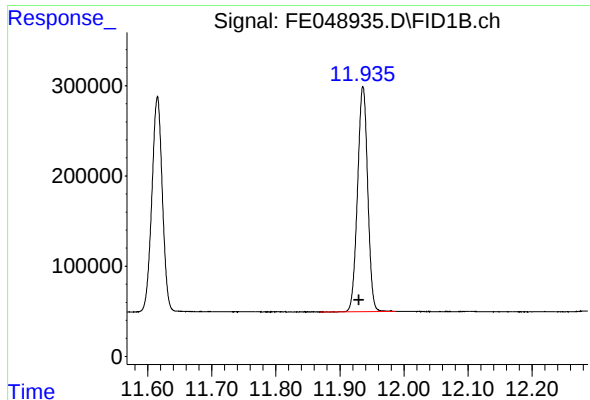
#7 n-Hexadecane (C16)

R.T.: 10.173 min
Delta R.T.: 0.004 min
Response: 2703683
Conc: 17.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.005 min
Response: 2707548
Conc: 16.98 ug/ml



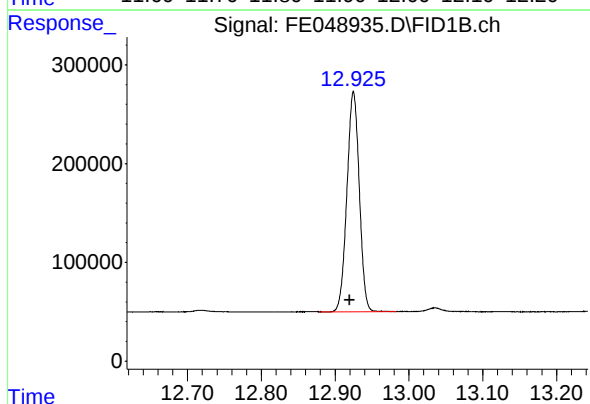
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: 0.006 min
Response: 2747664
Conc: 16.43 ug/ml

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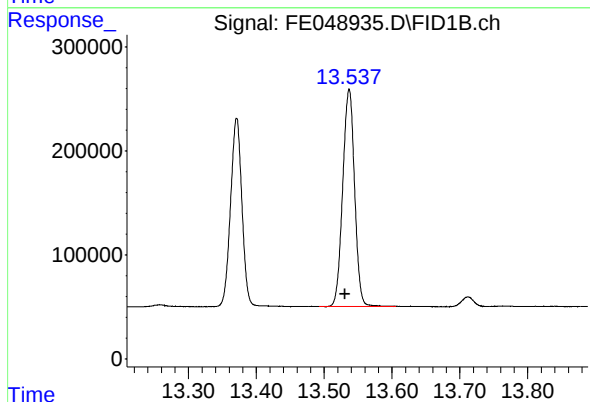
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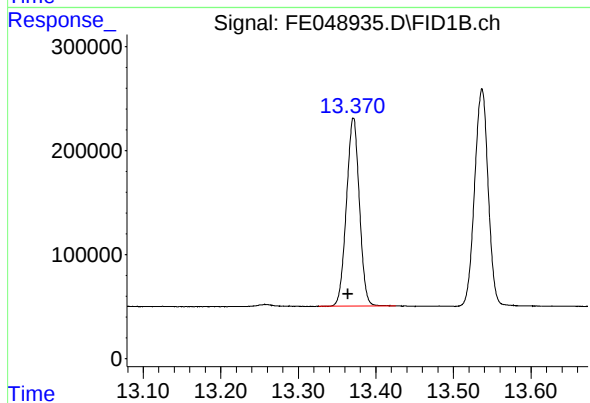
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: 0.005 min
Response: 2591915
Conc: 16.72 ug/ml



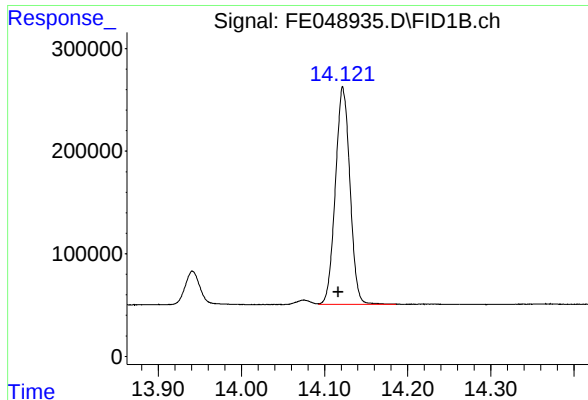
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: 0.006 min
Response: 2538464
Conc: 16.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: 0.007 min
Response: 2101634
Conc: 16.34 ug/ml



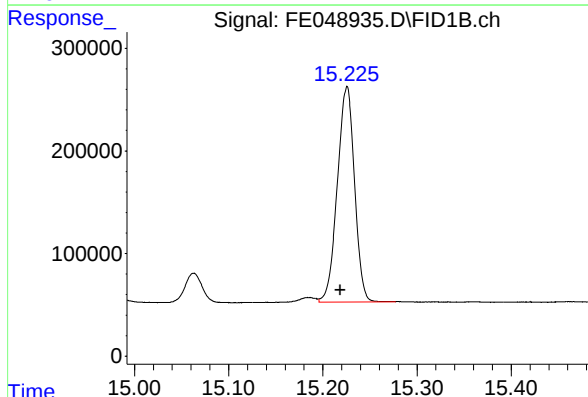
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: 0.005 min
Response: 2575529
Conc: 17.03 ug/ml

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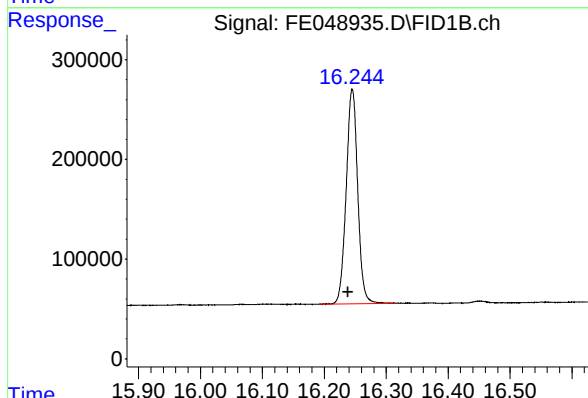
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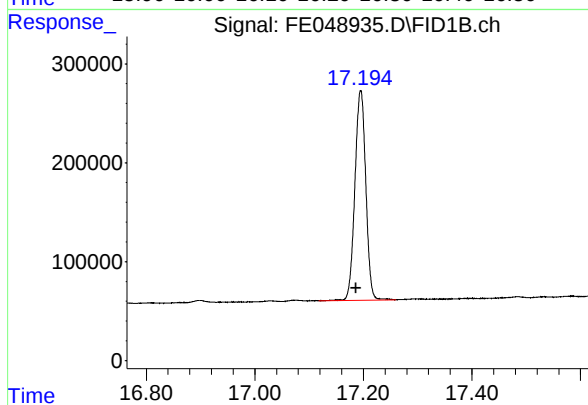
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: 0.007 min
Response: 2665839
Conc: 17.74 ug/ml



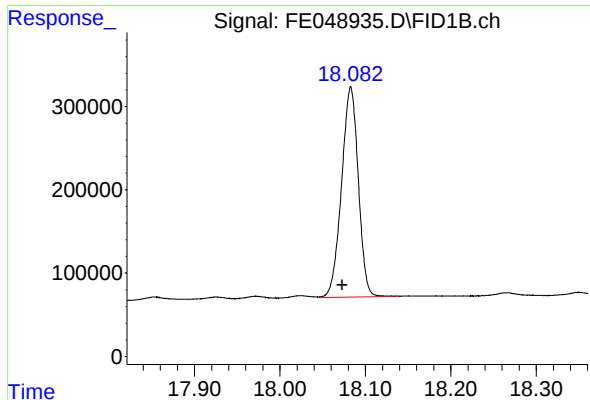
#15 n-Hexacosane (C26)

R.T.: 16.245 min
Delta R.T.: 0.007 min
Response: 2783132
Conc: 18.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: 0.009 min
Response: 2953036
Conc: 20.48 ug/ml



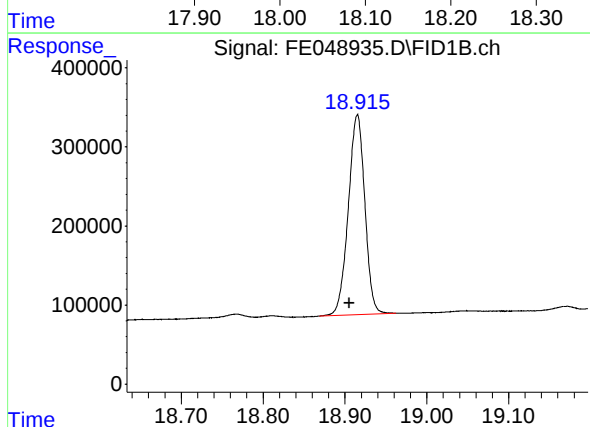
#17 n-Tricontane (C30)

R.T.: 18.083 min
Delta R.T.: 0.010 min
Response: 3429867
Conc: 23.44 ug/ml

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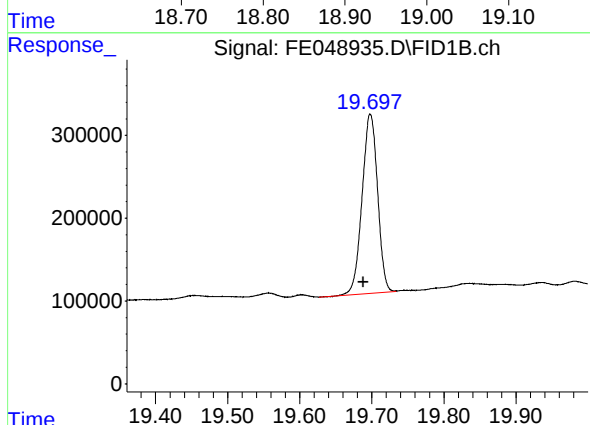
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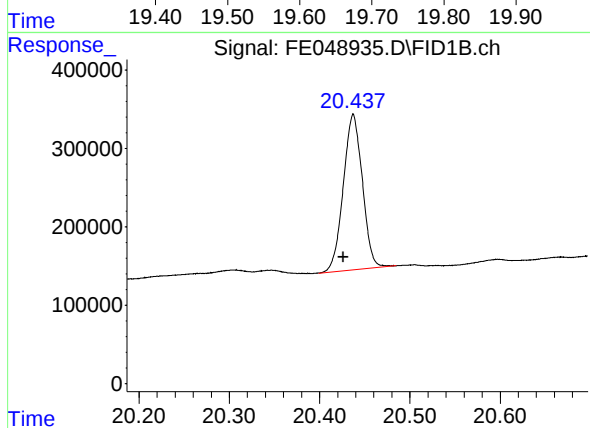
#18 n-Dotriacontane (C32)

R.T.: 18.915 min
Delta R.T.: 0.010 min
Response: 3543840
Conc: 24.79 ug/ml m



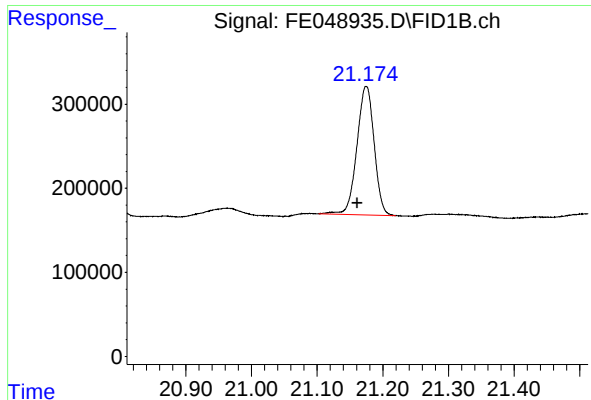
#19 n-Tetratriacontane (C34)

R.T.: 19.698 min
Delta R.T.: 0.010 min
Response: 3234616
Conc: 23.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: 0.010 min
Response: 2907402
Conc: 22.37 ug/ml m



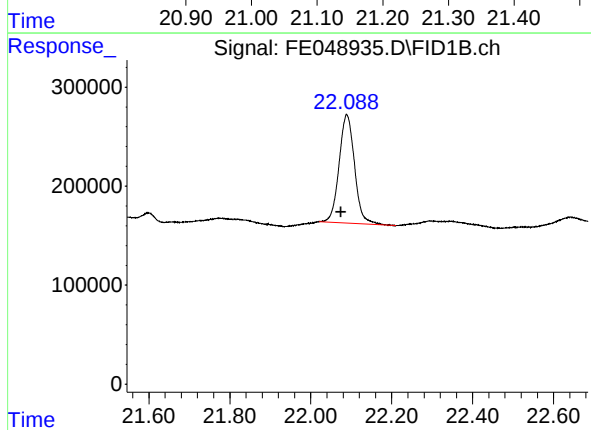
#21 n-Octatriacontane (C38)

R.T.: 21.174 min
Delta R.T.: 0.012 min
Response: 2797142
Conc: 21.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.089 min
Delta R.T.: 0.015 min
Response: 2907678
Conc: 23.74 ug/ml