

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061324AL\
 Data File : FE048692.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2024 06:58
 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 06/14/2024
 Supervised By :Ankita Jodhani 06/14/2024

Integration File: autoint1.e
 Quant Time: Jun 14 01:17:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.939	2842280	19.794 ug/ml
Spiked Amount 50.000		Recovery =	39.59%
12) S 1-chlorooctadecane (S...	13.373	2117695	19.439 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
Target Compounds			
1) T n-Nonane (C9)	3.327	2615932	17.497 ug/ml
2) T n-Decane (C10)	4.576	2836886	18.787 ug/ml
3) T A~Naphthalene (C11.7)	6.281	2789340	18.733 ug/ml
4) T n-Dodecane (C12)	6.742	2849883	19.253 ug/ml
5) T A~2-methylnaphthalene...	7.377	2648896	19.104 ug/ml
6) T n-Tetradecane (C14)	8.569	2763862	19.487 ug/ml
7) T n-Hexadecane (C16)	10.176	2788266	19.778 ug/ml
8) T n-Octadecane (C18)	11.618	2756189	19.845 ug/ml
10) T n-Eicosane (C20)	12.928	2613419	19.748 ug/ml
11) T n-Heneicosane (C21)	13.539	2543688	19.638 ug/ml
13) T n-Docosane (C22)	14.125	2547127	19.766 ug/ml
14) T n-Tetracosane (C24)	15.227	2606013	20.116 ug/ml
15) T n-Hexacosane (C26)	16.247	2622480	20.234 ug/ml
16) T n-Octacosane (C28)	17.196	2735387	21.163 ug/ml
17) T n-Tricontane (C30)	18.082	3043267	22.717 ug/ml
18) T n-Dotriacontane (C32)	18.914	3180688	23.432 ug/ml
19) T n-Tetratriacontane (C34)	19.695	3066345	22.415 ug/ml
20) T n-Hexatriacontane (C36)	20.434	2867738	21.096 ug/ml
21) T n-Octatriacontane (C38)	21.172	2704404	19.831 ug/ml
22) T n-Tetracontane (C40)	22.085	2560761	18.702 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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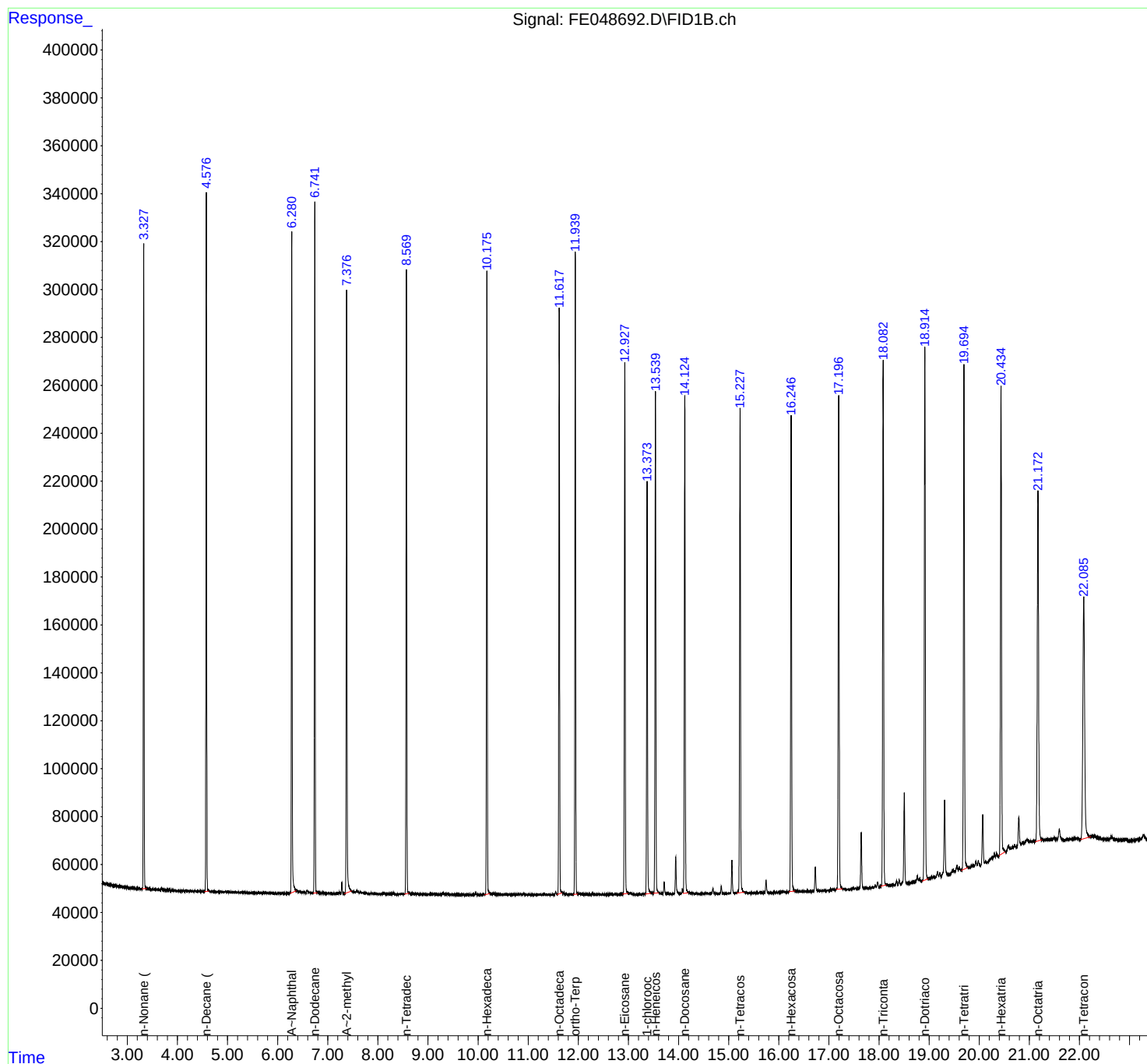
Instrument :
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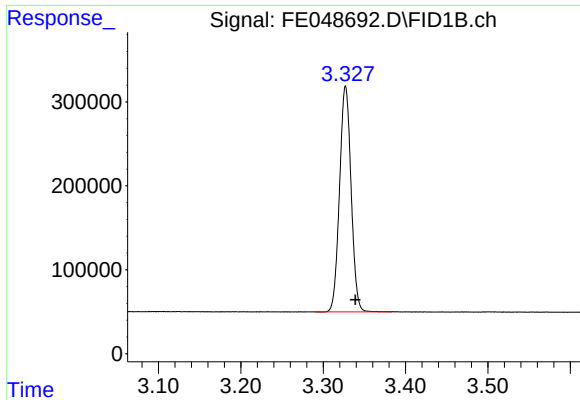
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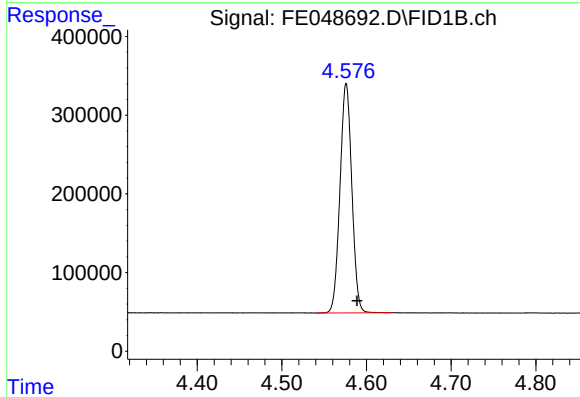
#1 n-Nonane (C9)

R.T.: 3.327 min
Delta R.T.: -0.012 min
Response: 2615932
Conc: 17.50 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

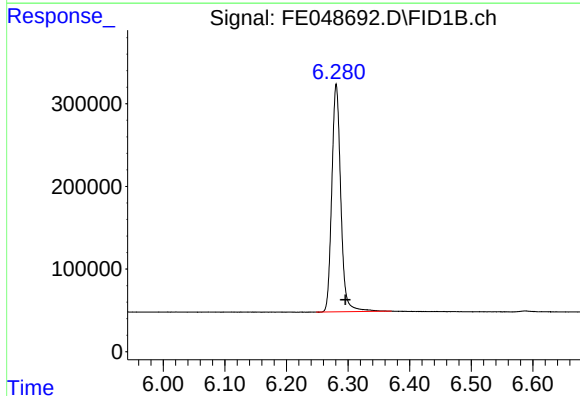
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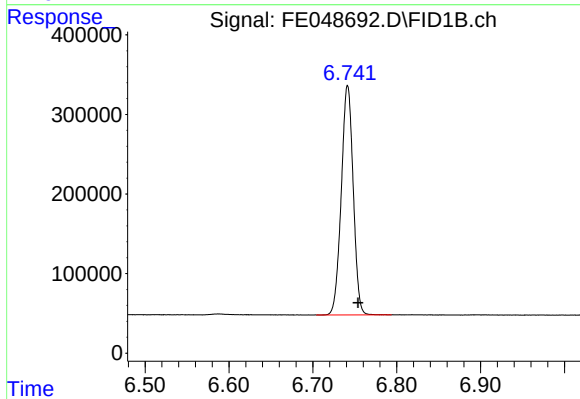
#2 n-Decane (C10)

R.T.: 4.576 min
Delta R.T.: -0.013 min
Response: 2836886
Conc: 18.79 ug/ml



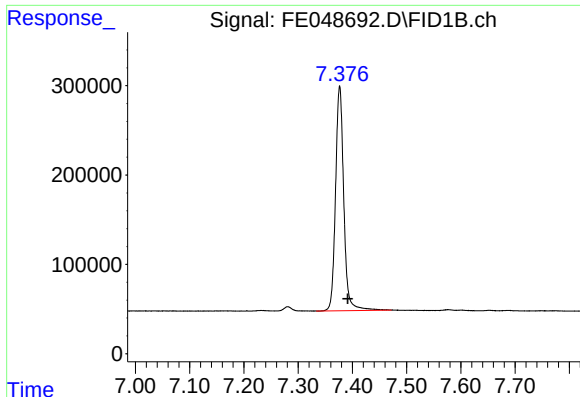
#3 A~Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: -0.015 min
Response: 2789340
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.742 min
Delta R.T.: -0.013 min
Response: 2849883
Conc: 19.25 ug/ml



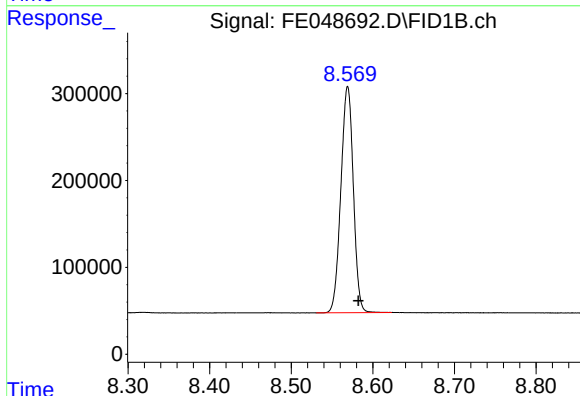
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: -0.015 min
Response: 2648896
Conc: 19.10 ug/ml

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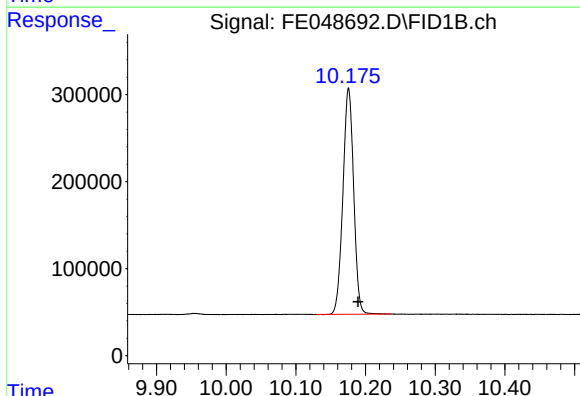
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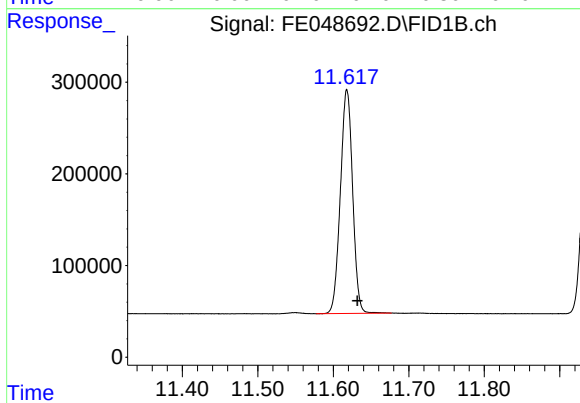
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.013 min
Response: 2763862
Conc: 19.49 ug/ml



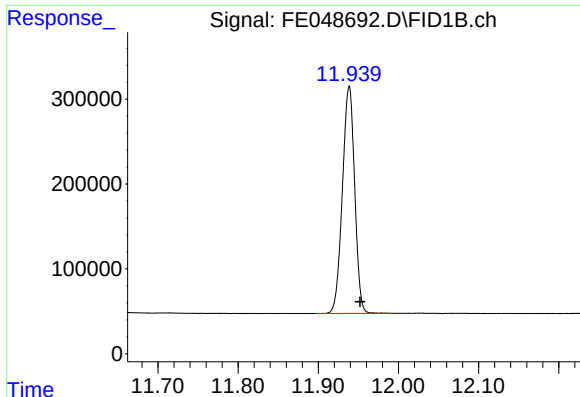
#7 n-Hexadecane (C16)

R.T.: 10.176 min
Delta R.T.: -0.014 min
Response: 2788266
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.618 min
Delta R.T.: -0.014 min
Response: 2756189
Conc: 19.85 ug/ml



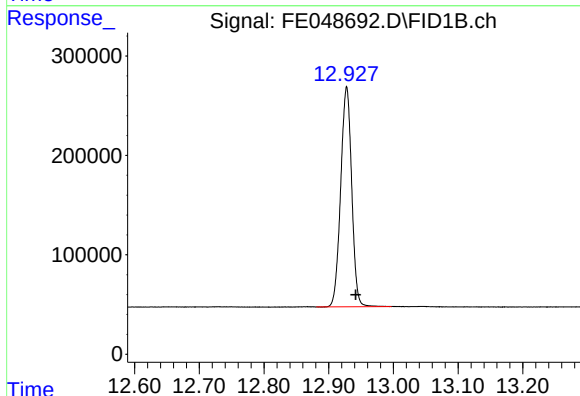
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: -0.013 min
Response: 2842280
Conc: 19.79 ug/ml

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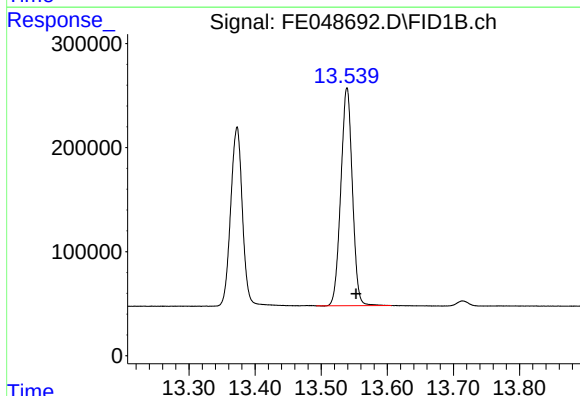
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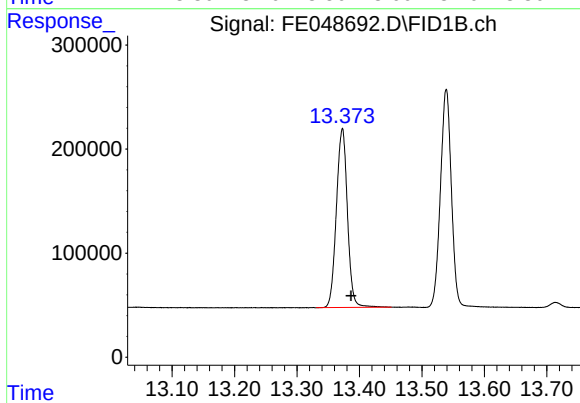
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.014 min
Response: 2613419
Conc: 19.75 ug/ml



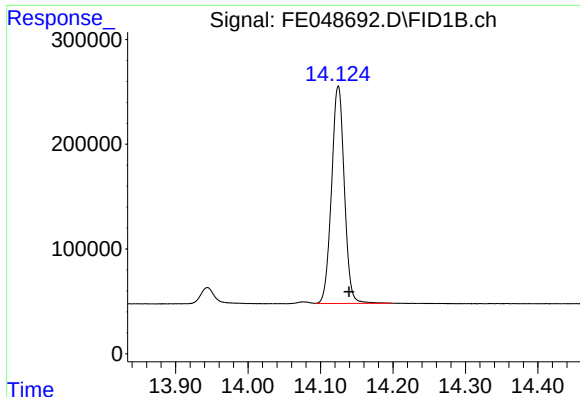
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.014 min
Response: 2543688
Conc: 19.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.014 min
Response: 2117695
Conc: 19.44 ug/ml



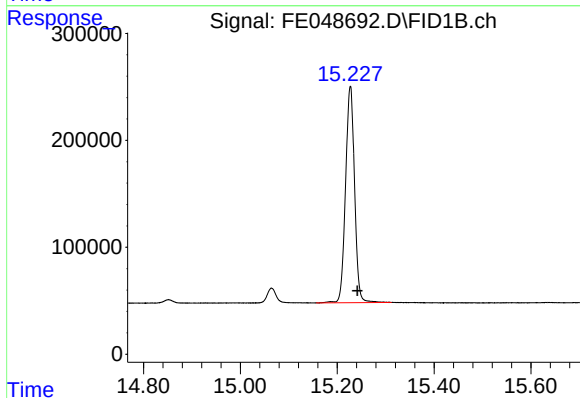
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.015 min
Response: 2547127
Conc: 19.77 ug/ml

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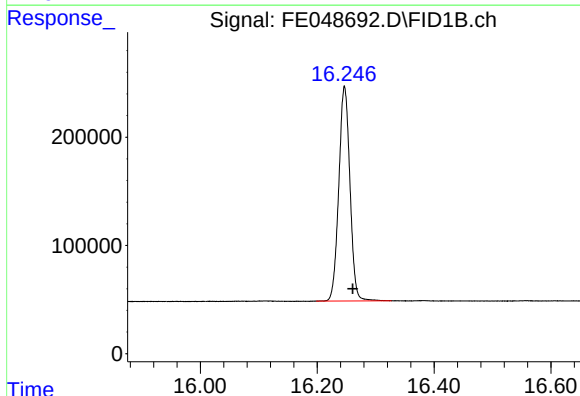
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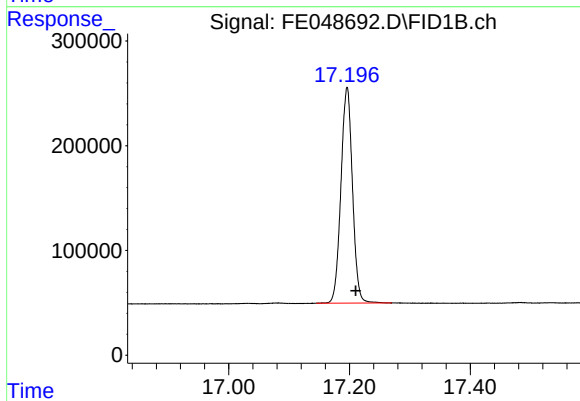
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: -0.014 min
Response: 2606013
Conc: 20.12 ug/ml



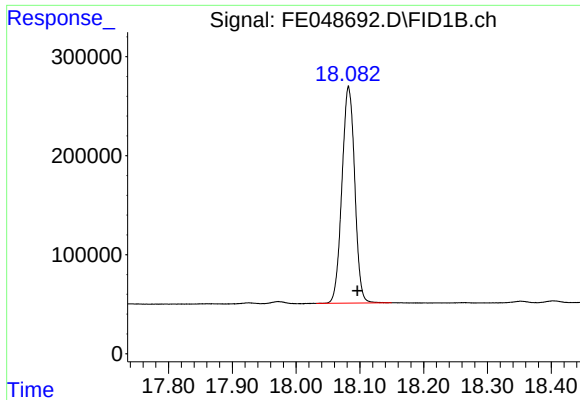
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.014 min
Response: 2622480
Conc: 20.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.014 min
Response: 2735387
Conc: 21.16 ug/ml



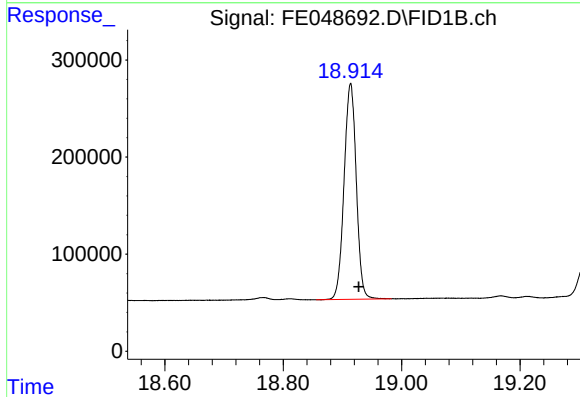
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.014 min
Response: 3043267
Conc: 22.72 ug/ml

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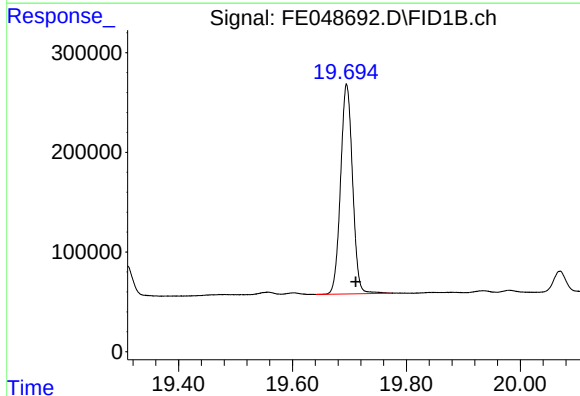
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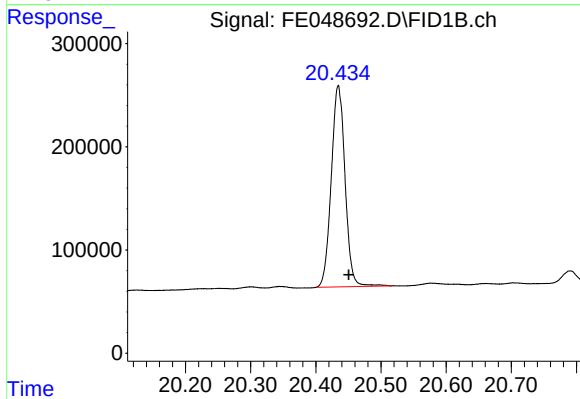
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.014 min
Response: 3180688
Conc: 23.43 ug/ml



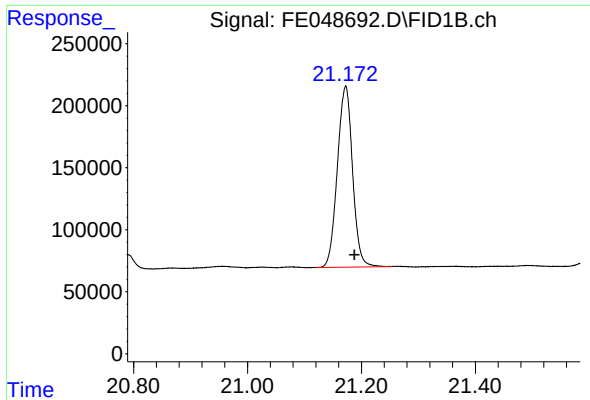
#19 n-Tetratriacontane (C34)

R.T.: 19.695 min
Delta R.T.: -0.016 min
Response: 3066345
Conc: 22.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.434 min
Delta R.T.: -0.016 min
Response: 2867738
Conc: 21.10 ug/ml



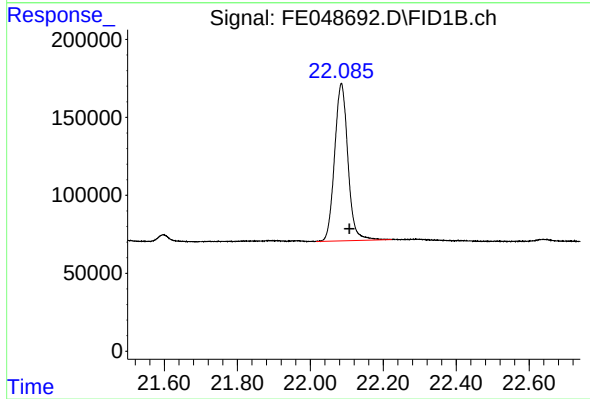
#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: -0.015 min
Response: 2704404
Conc: 19.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: -0.022 min
Response: 2560761
Conc: 18.70 ug/ml m