

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060623AL\
 Data File : FE042441.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jun 2023 00:37
 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 06/07/2023
 Supervised By :Ankita Jodhani 06/07/2023

Integration File: autoint1.e
 Quant Time: Jun 07 05:11:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 2023
 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)	11.954	3218255	18.226 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
12) S 1-chlorooctadecane (S...	13.390	2367825	17.819 ug/ml
Spiked Amount 50.000		Recovery =	35.64%
Target Compounds			
1) T n-Nonane (C9)	3.331	2681472	18.596 ug/ml
2) T n-Decane (C10)	4.584	2768912	18.704 ug/ml
3) T A~Naphthalene (C11.7)	6.293	2979353	18.260 ug/ml
4) T n-Dodecane (C12)	6.752	2789839	18.605 ug/ml
5) T A~2-methylnaphthalene...	7.391	2860240	18.023 ug/ml
6) T n-Tetradecane (C14)	8.582	2771779	18.502 ug/ml
7) T n-Hexadecane (C16)	10.190	2873801	18.449 ug/ml
8) T n-Octadecane (C18)	11.634	2896875	18.319 ug/ml
10) T n-Eicosane (C20)	12.945	2768146	18.262 ug/ml
11) T n-Heneicosane (C21)	13.557	2696566	18.201 ug/ml
13) T n-Docosane (C22)	14.144	2699782	18.416 ug/ml
14) T n-Tetracosane (C24)	15.248	2640188	18.289 ug/ml
15) T n-Hexacosane (C26)	16.269	2627655	18.973 ug/ml
16) T n-Octacosane (C28)	17.219	2672324	19.960 ug/ml
17) T n-Tricontane (C30)	18.108	2932968	21.727 ug/ml
18) T n-Dotriacontane (C32)	18.940	2991255	22.391 ug/ml
19) T n-Tetratriacontane (C34)	19.726	2765267	21.027 ug/ml
20) T n-Hexatriacontane (C36)	20.467	2663178	20.490 ug/mlm
21) T n-Octatriacontane (C38)	21.216	2624111	19.341 ug/ml
22) T n-Tetracontane (C40)	22.150	2525095	18.151 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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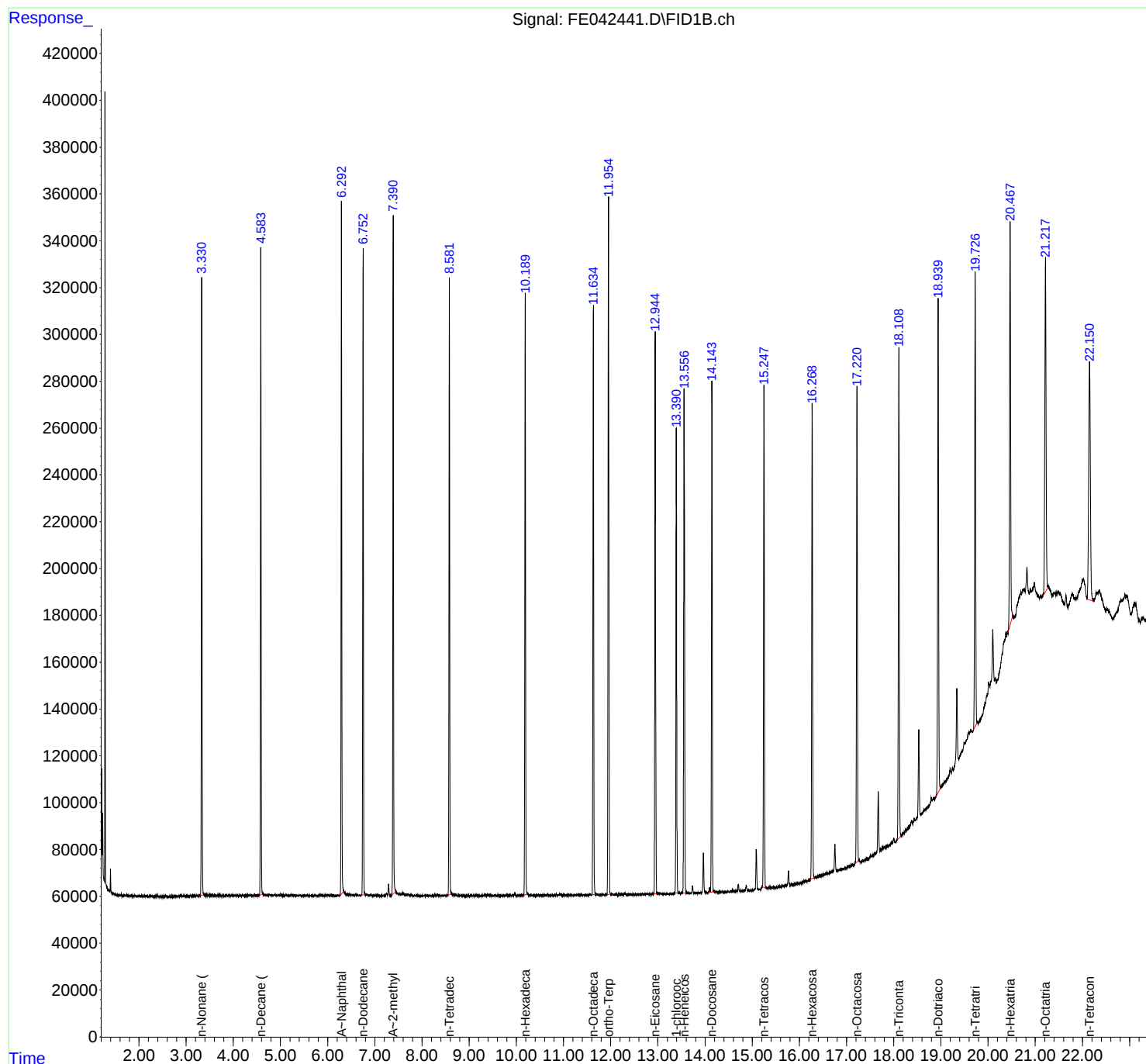
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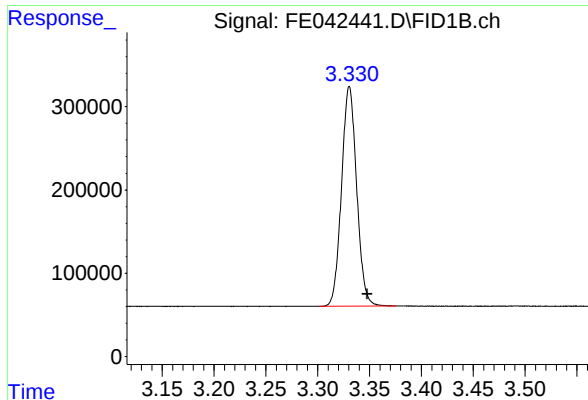
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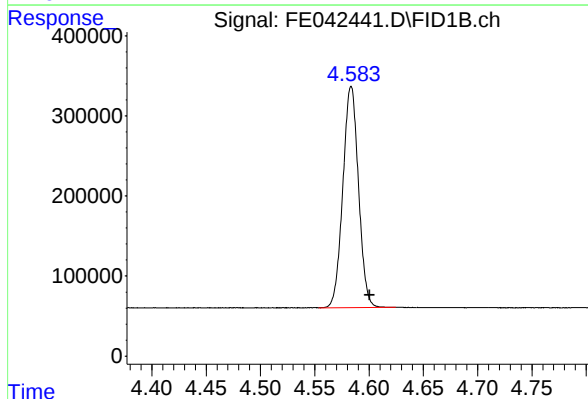
#1 n-Nonane (C9)

R.T.: 3.331 min
Delta R.T.: -0.017 min
Response: 2681472
Conc: 18.60 ug/ml

Instrument : FID_E
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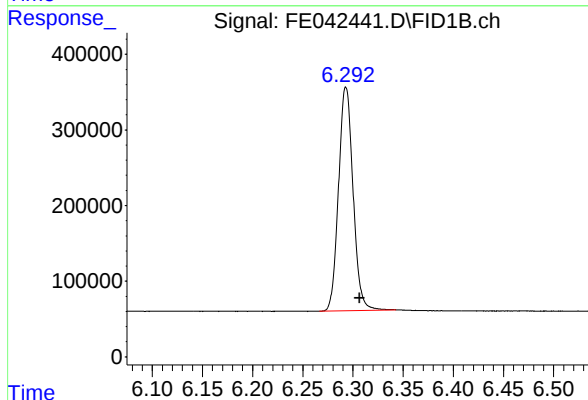
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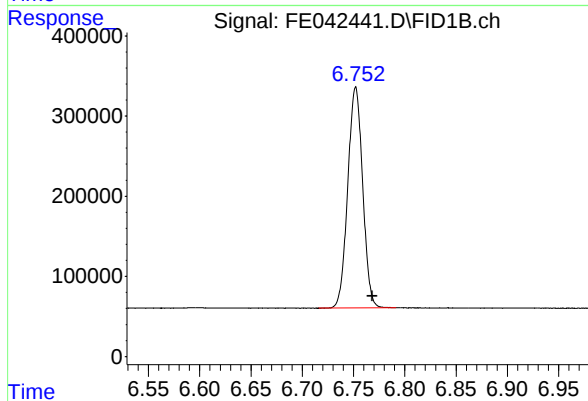
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: -0.017 min
Response: 2768912
Conc: 18.70 ug/ml



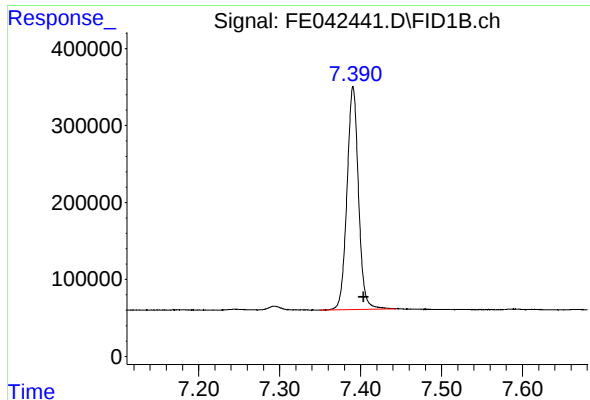
#3 A~Naphthalene (C11.7)

R.T.: 6.293 min
Delta R.T.: -0.014 min
Response: 2979353
Conc: 18.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.752 min
Delta R.T.: -0.016 min
Response: 2789839
Conc: 18.60 ug/ml



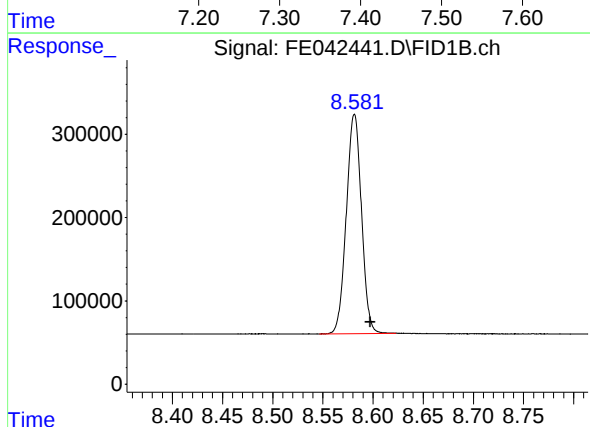
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.391 min
Delta R.T.: -0.013 min
Response: 2860240
Conc: 18.02 ug/ml

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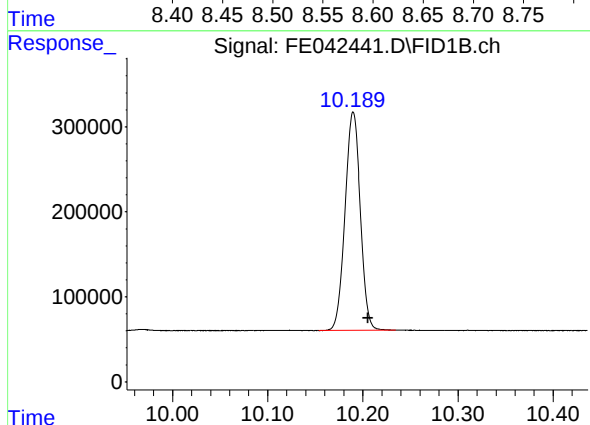
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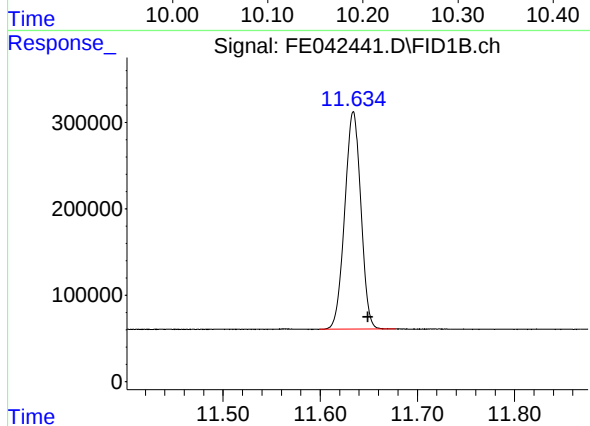
#6 n-Tetradecane (C14)

R.T.: 8.582 min
Delta R.T.: -0.016 min
Response: 2771779
Conc: 18.50 ug/ml



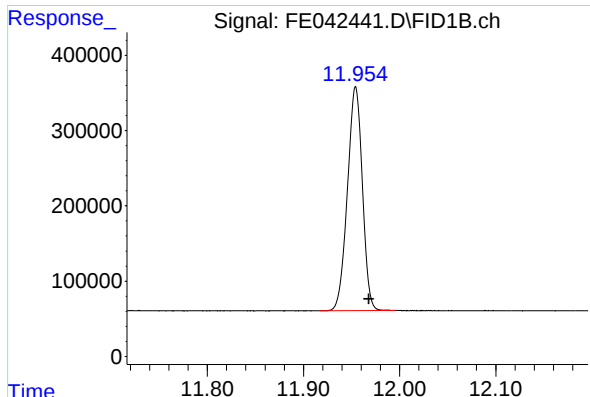
#7 n-Hexadecane (C16)

R.T.: 10.190 min
Delta R.T.: -0.015 min
Response: 2873801
Conc: 18.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.634 min
Delta R.T.: -0.015 min
Response: 2896875
Conc: 18.32 ug/ml



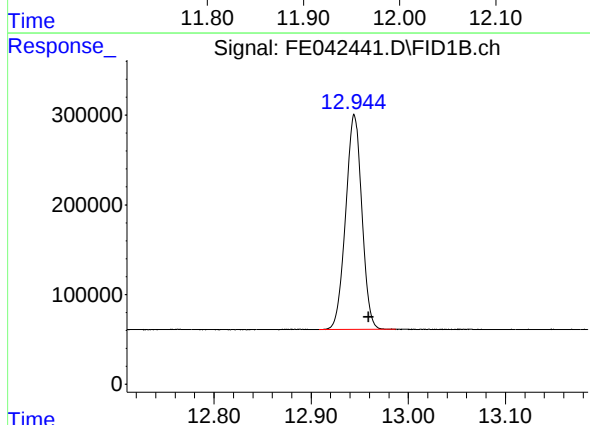
#9 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.014 min
Response: 3218255
Conc: 18.23 ug/ml

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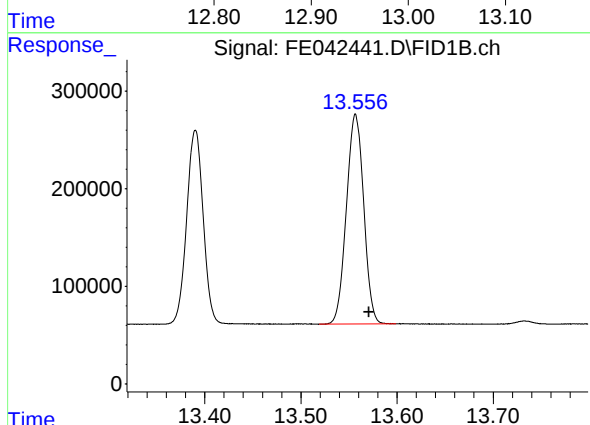
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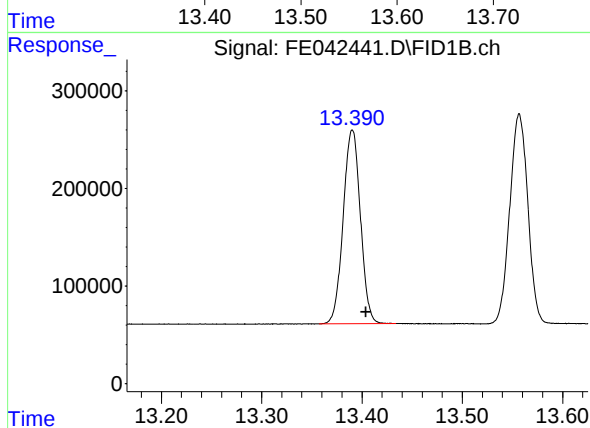
#10 n-Eicosane (C20)

R.T.: 12.945 min
Delta R.T.: -0.015 min
Response: 2768146
Conc: 18.26 ug/ml



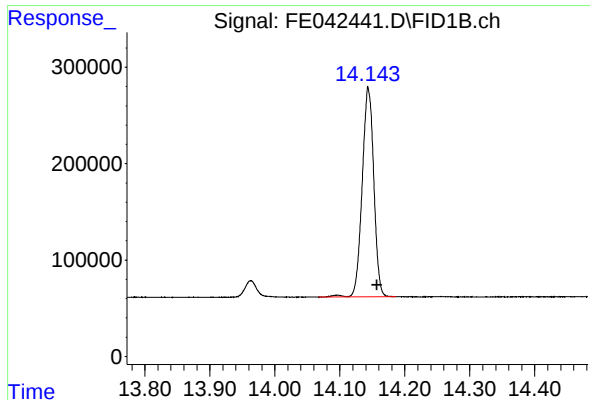
#11 n-Heneicosane (C21)

R.T.: 13.557 min
Delta R.T.: -0.014 min
Response: 2696566
Conc: 18.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.014 min
Response: 2367825
Conc: 17.82 ug/ml



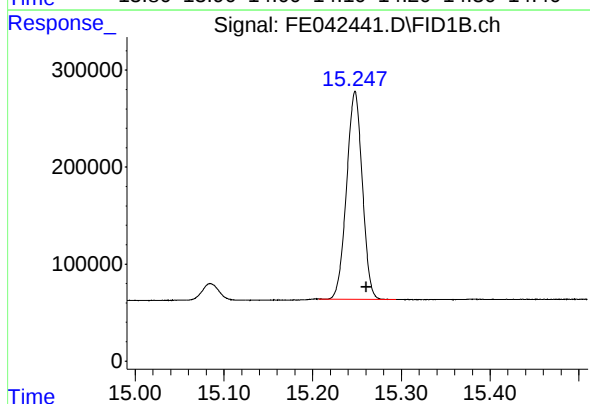
#13 n-Docosane (C22)

R.T.: 14.144 min
Delta R.T.: -0.013 min
Response: 2699782
Conc: 18.42 ug/ml

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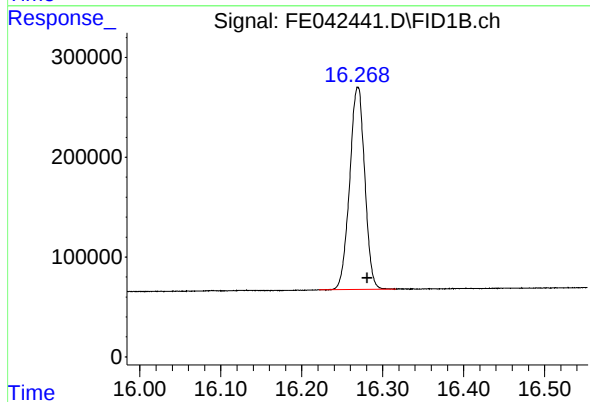
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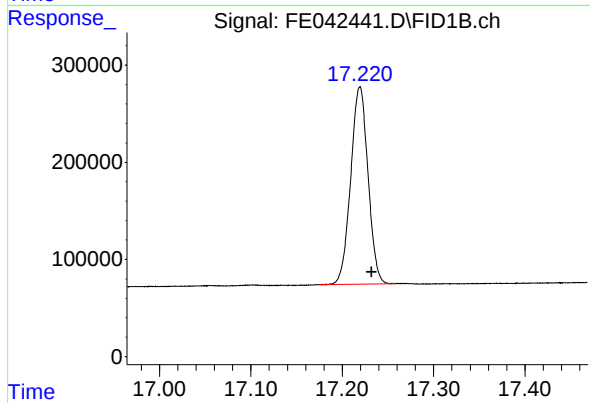
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: -0.013 min
Response: 2640188
Conc: 18.29 ug/ml



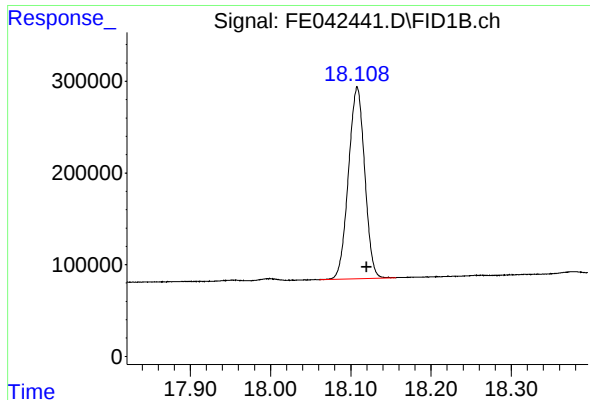
#15 n-Hexacosane (C26)

R.T.: 16.269 min
Delta R.T.: -0.012 min
Response: 2627655
Conc: 18.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.219 min
Delta R.T.: -0.013 min
Response: 2672324
Conc: 19.96 ug/ml



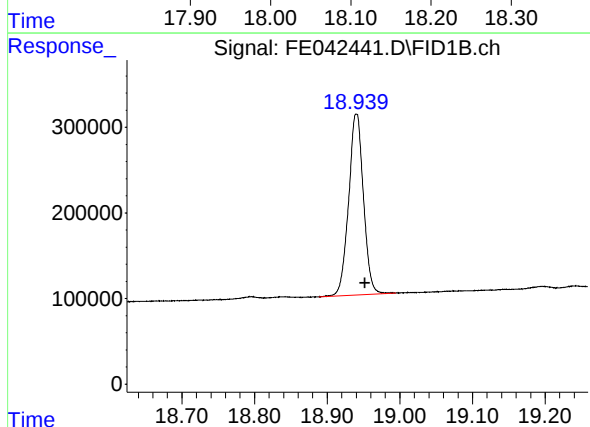
#17 n-Tricontane (C30)

R.T.: 18.108 min
Delta R.T.: -0.012 min
Response: 2932968
Conc: 21.73 ug/ml

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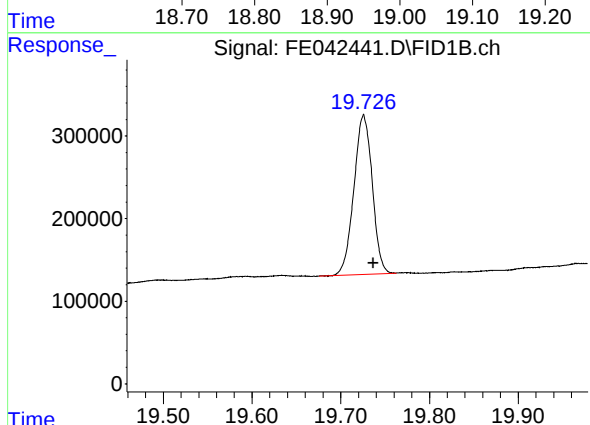
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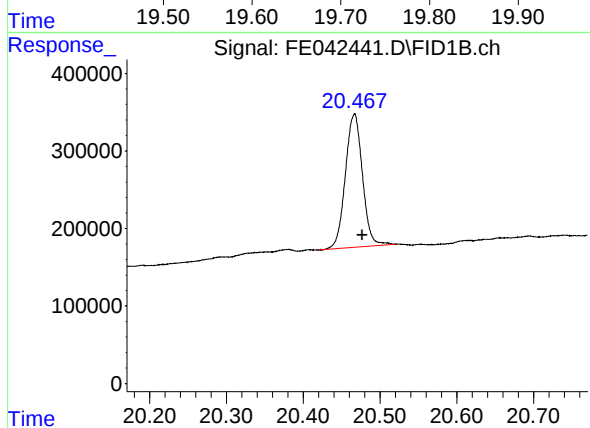
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: -0.012 min
Response: 2991255
Conc: 22.39 ug/ml



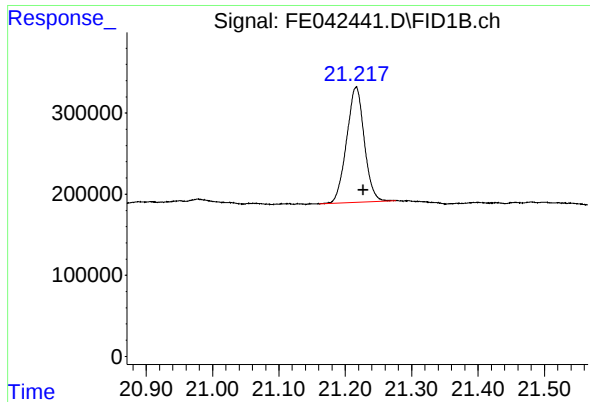
#19 n-Tetatriacontane (C34)

R.T.: 19.726 min
Delta R.T.: -0.011 min
Response: 2765267
Conc: 21.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.467 min
Delta R.T.: -0.010 min
Response: 2663178
Conc: 20.49 ug/ml m



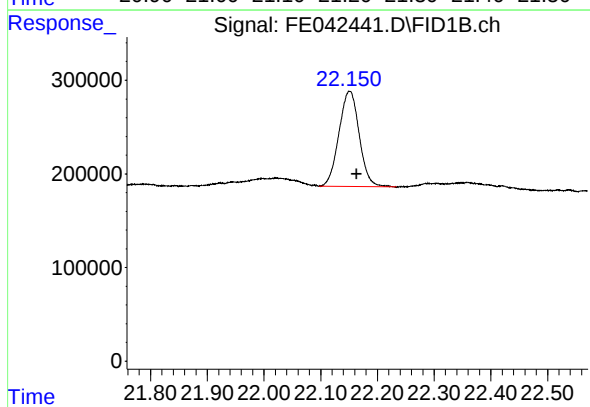
#21 n-Octatriacontane (C38)

R.T.: 21.216 min
Delta R.T.: -0.011 min
Response: 2624111
Conc: 19.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.150 min
Delta R.T.: -0.013 min
Response: 2525095
Conc: 18.15 ug/ml m