

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072222AL\
 Data File : FE036658.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jul 2022 18:26
 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 07/25/2022
 Supervised By :Ankita Jodhani 07/25/2022

Integration File: autoint1.e
 Quant Time: Jul 23 00:29:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 2022
 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)	11.847	3469203	18.627 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
12) S 1-chlorooctadecane (S...	13.287	2774215	18.234 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
Target Compounds			
1) T n-Nonane (C9)	3.236	3131455	20.313 ug/ml
2) T n-Decane (C10)	4.491	3174566	20.594 ug/ml
3) T A~Naphthalene (C11.7)	6.192	3520704	20.603 ug/ml
4) T n-Dodecane (C12)	6.660	3240267	20.631 ug/ml
5) T A~2-methylnaphthalene...	7.288	3513098	20.441 ug/ml
6) T n-Tetradecane (C14)	8.486	3321541	20.345 ug/ml
7) T n-Hexadecane (C16)	10.092	3273155	19.858 ug/ml
8) T n-Octadecane (C18)	11.534	3275905	19.276 ug/ml
10) T n-Eicosane (C20)	12.844	3178214	18.684 ug/ml
11) T n-Heneicosane (C21)	13.455	3132186	18.301 ug/ml
13) T n-Docosane (C22)	14.043	3119121	18.269 ug/ml
14) T n-Tetracosane (C24)	15.146	3087943	18.115 ug/ml
15) T n-Hexacosane (C26)	16.165	3017698	18.050 ug/ml
16) T n-Octacosane (C28)	17.115	3019003	18.484 ug/ml
17) T n-Tricontane (C30)	18.005	2903456	19.107 ug/ml
18) T n-Dotriacontane (C32)	18.836	2391560	19.885 ug/ml
19) T n-Tetratriacontane (C34)	19.620	1679276	20.165 ug/ml
20) T n-Hexatriacontane (C36)	20.359	1245766	21.216 ug/ml
21) T n-Octatriacontane (C38)	21.083	1145280	22.843 ug/mlm
22) T n-Tetracontane (C40)	21.968	971810	18.818 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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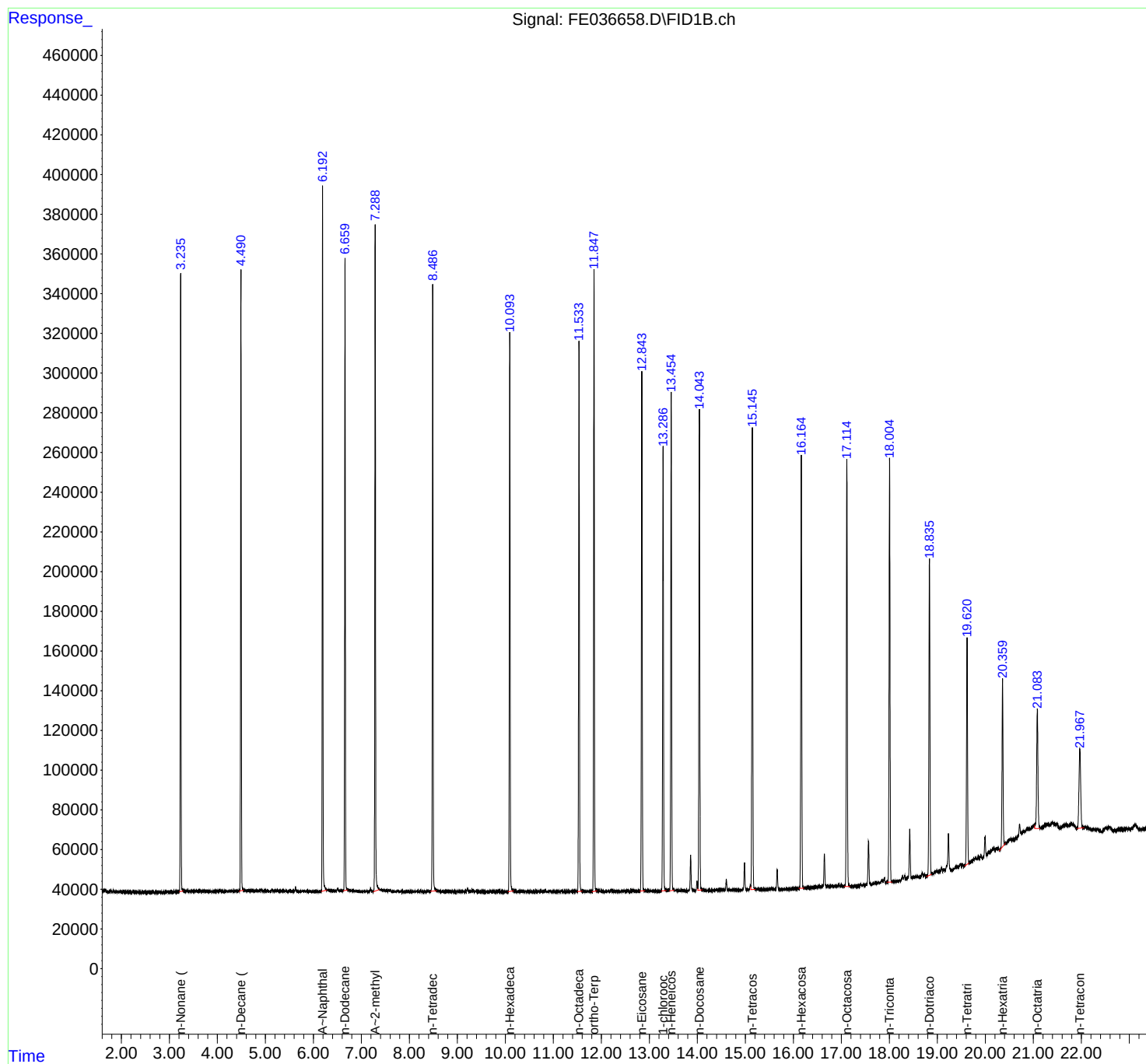
Instrument :
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20 PPM ALIPHATIC HC STD

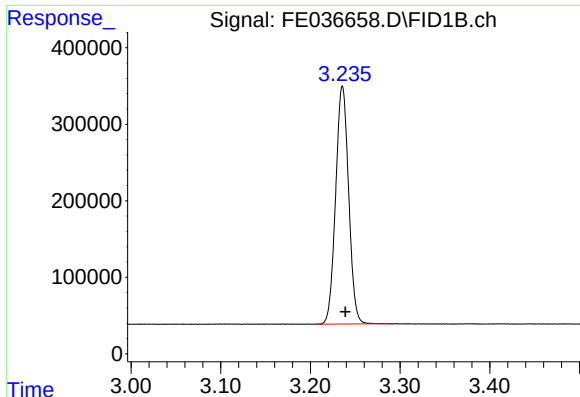
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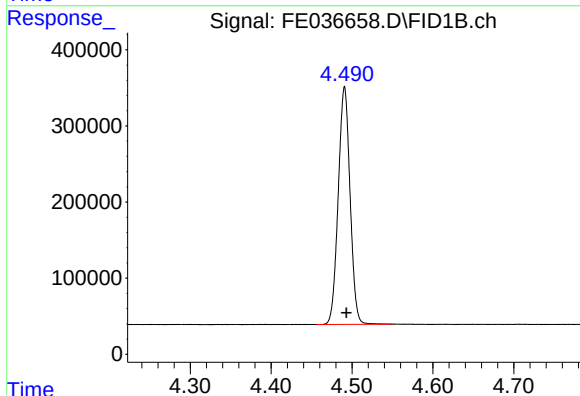
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.003 min
Response: 3131455
Conc: 20.31 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

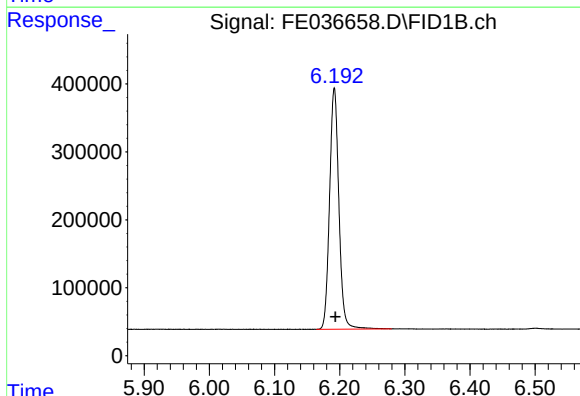
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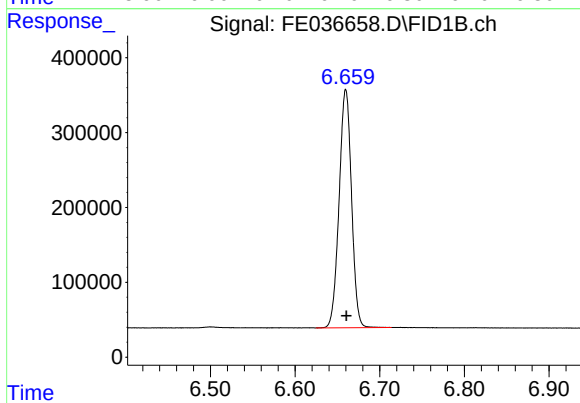
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: -0.003 min
Response: 3174566
Conc: 20.59 ug/ml



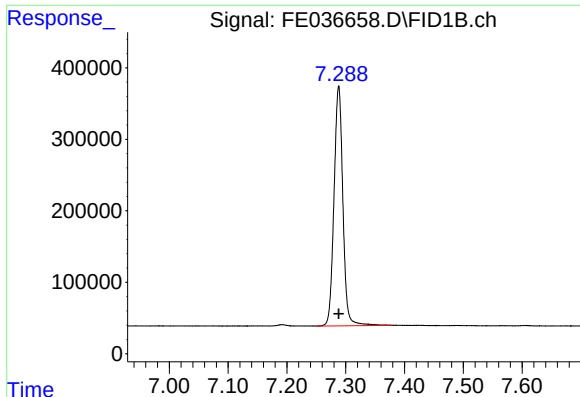
#3 A~Naphthalene (C11.7)

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 3520704
Conc: 20.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 3240267
Conc: 20.63 ug/ml



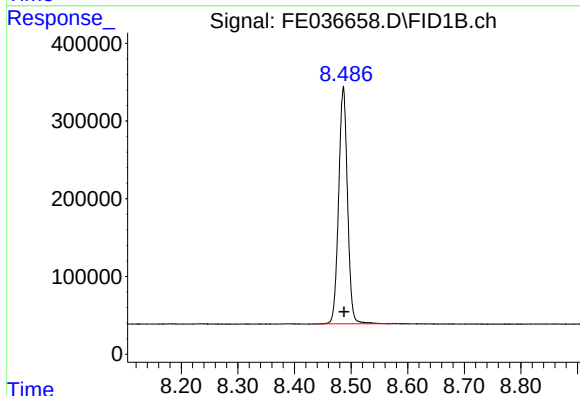
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.288 min
Delta R.T.: 0.000 min
Response: 3513098
Conc: 20.44 ug/ml

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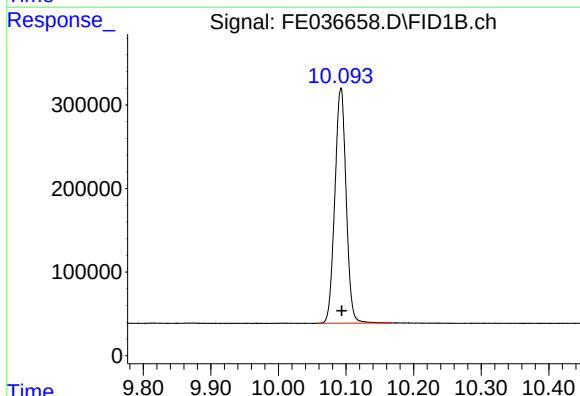
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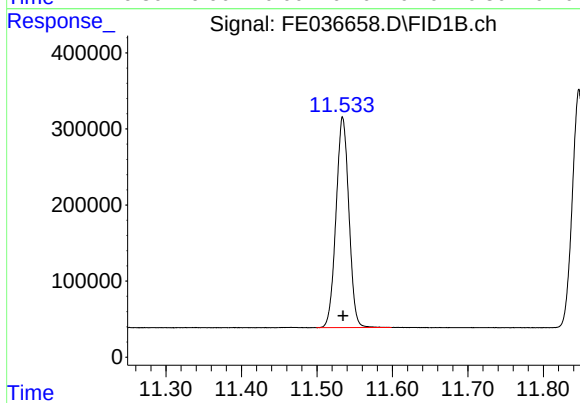
#6 n-Tetradecane (C14)

R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 3321541
Conc: 20.35 ug/ml



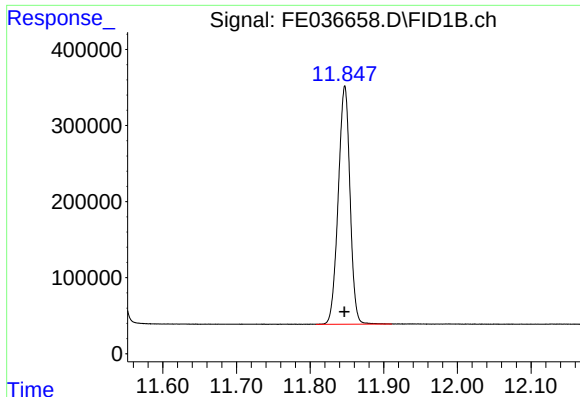
#7 n-Hexadecane (C16)

R.T.: 10.092 min
Delta R.T.: -0.001 min
Response: 3273155
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min
Delta R.T.: 0.000 min
Response: 3275905
Conc: 19.28 ug/ml



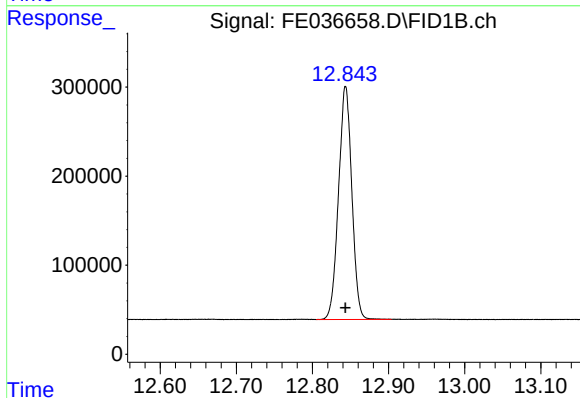
#9 ortho-Terphenyl (SURR)

R.T.: 11.847 min
Delta R.T.: 0.000 min
Response: 3469203
Conc: 18.63 ug/ml

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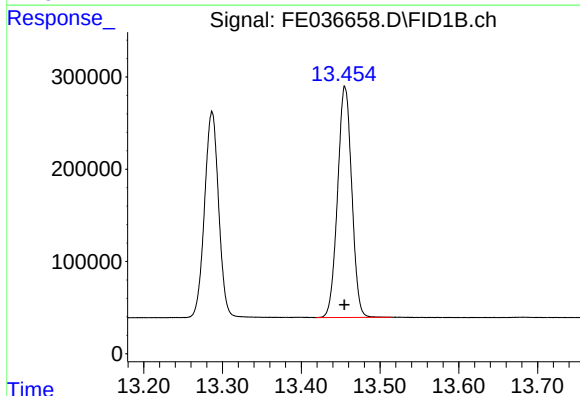
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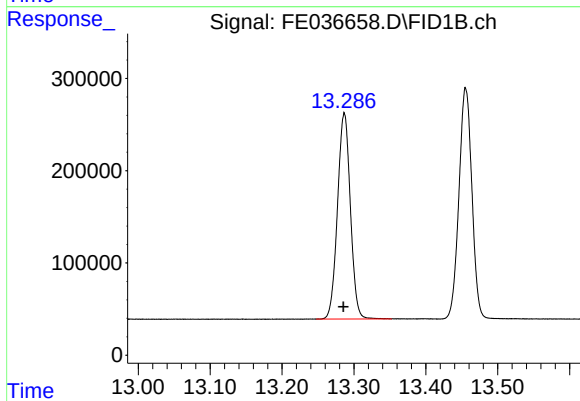
#10 n-Eicosane (C20)

R.T.: 12.844 min
Delta R.T.: 0.000 min
Response: 3178214
Conc: 18.68 ug/ml



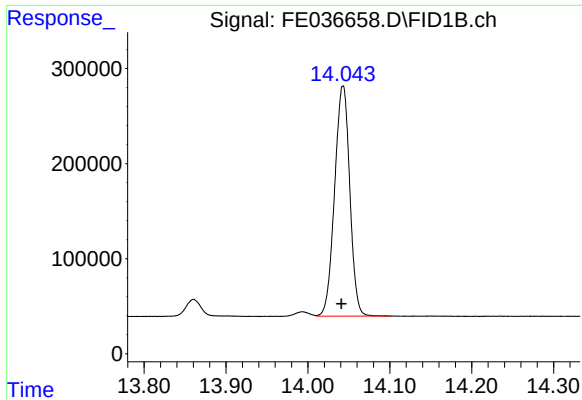
#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: 0.000 min
Response: 3132186
Conc: 18.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.001 min
Response: 2774215
Conc: 18.23 ug/ml



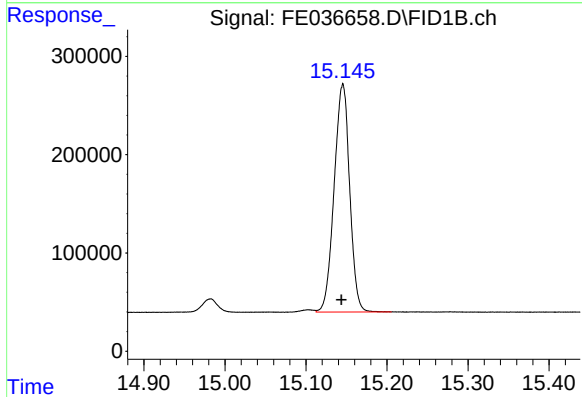
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: 0.002 min
Response: 3119121
Conc: 18.27 ug/ml

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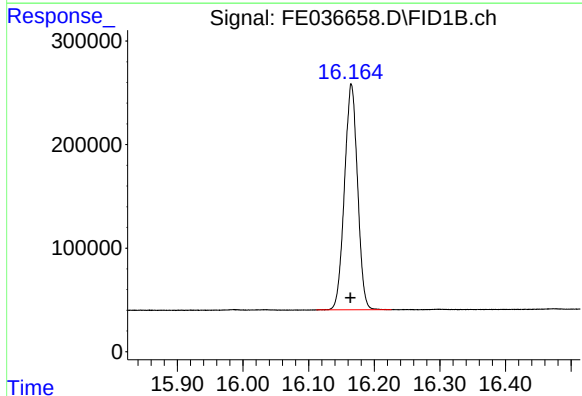
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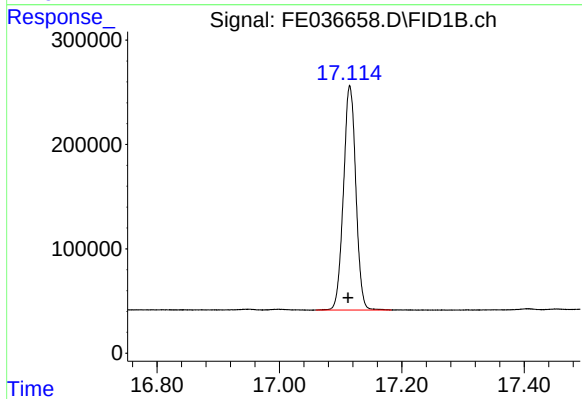
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: 0.002 min
Response: 3087943
Conc: 18.11 ug/ml



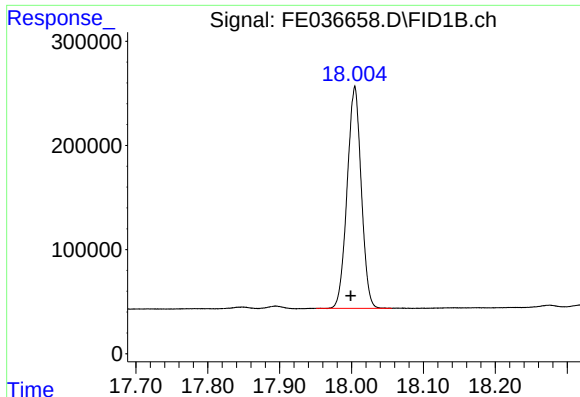
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: 0.001 min
Response: 3017698
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.115 min
Delta R.T.: 0.003 min
Response: 3019003
Conc: 18.48 ug/ml



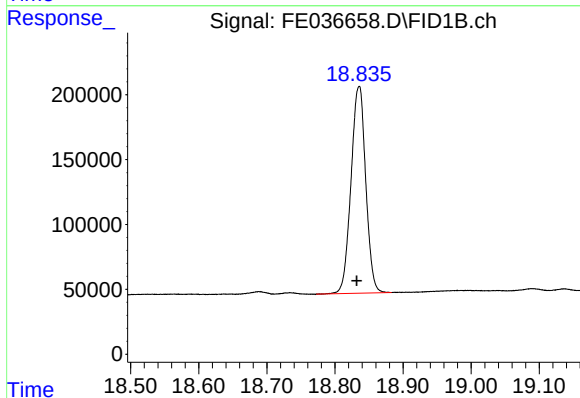
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: 0.006 min
Response: 2903456
Conc: 19.11 ug/ml

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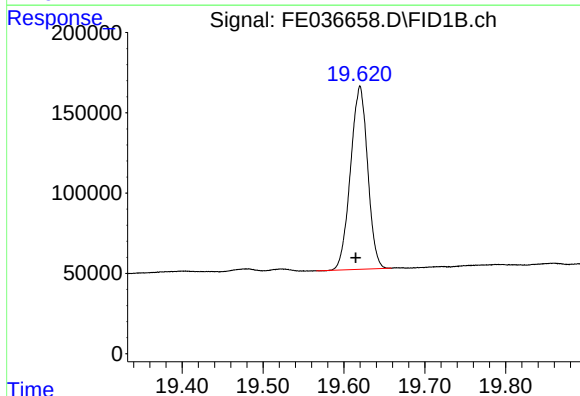
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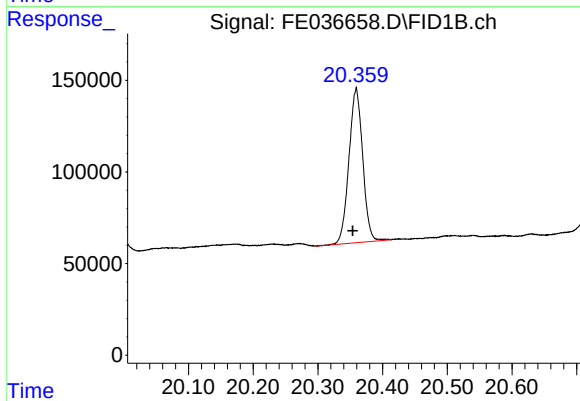
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: 0.004 min
Response: 2391560
Conc: 19.89 ug/ml



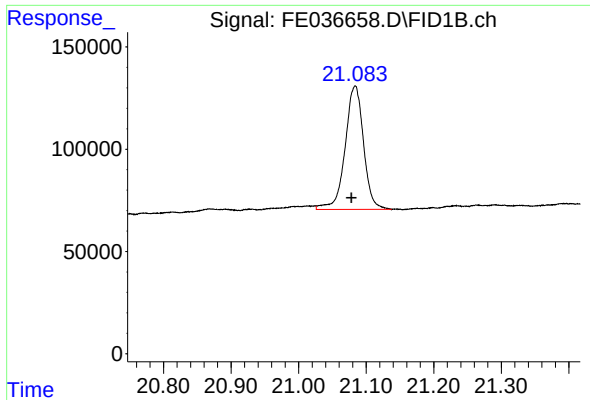
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: 0.005 min
Response: 1679276
Conc: 20.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.005 min
Response: 1245766
Conc: 21.22 ug/ml



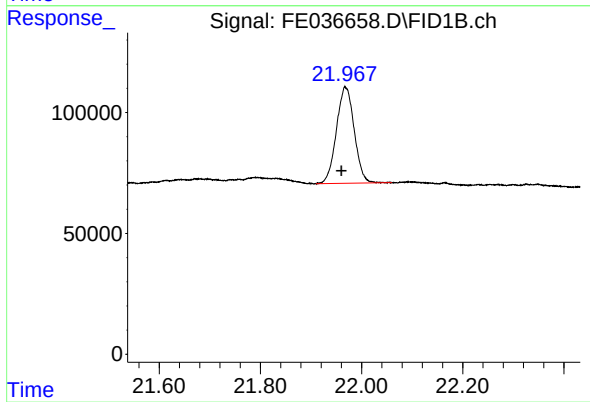
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: 0.005 min
Response: 1145280
Conc: 22.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: 0.007 min
Response: 971810
Conc: 18.82 ug/ml