

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071025AL\
 Data File : FE054799.D
 Signal(s) : FID1B.ch
 Acq On : 11 Jul 2025 02:01
 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 07/11/2025
 Supervised By :mohammad ahmed 07/14/2025

Integration File: sample.E
 Quant Time: Jul 11 07:00:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 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)	12.081	3098492	19.080 ug/ml
Spiked Amount 50.000		Recovery =	38.16%
12) S 1-chlorooctadecane (S...	13.517	2352577	18.628 ug/ml
Spiked Amount 50.000		Recovery =	37.26%
Target Compounds			
1) T n-Nonane (C9)	3.421	2724503	20.255 ug/ml
2) T n-Decane (C10)	4.679	2815299	20.633 ug/ml
3) T A~Naphthalene (C11.7)	6.396	3125787	20.644 ug/ml
4) T n-Dodecane (C12)	6.854	2865061	20.881 ug/ml
5) T A~2-methylnaphthalene...	7.497	3032405	20.628 ug/ml
6) T n-Tetradecane (C14)	8.691	2864696	20.665 ug/ml
7) T n-Hexadecane (C16)	10.306	2912605	20.438 ug/ml
8) T n-Octadecane (C18)	11.755	2885601	19.690 ug/ml
10) T n-Eicosane (C20)	13.069	2730946	18.992 ug/ml
11) T n-Heneicosane (C21)	13.683	2671611	18.705 ug/ml
13) T n-Docosane (C22)	14.272	2638192	18.476 ug/ml
14) T n-Tetracosane (C24)	15.378	2625665	18.063 ug/ml
15) T n-Hexacosane (C26)	16.402	2588159	17.884 ug/ml
16) T n-Octacosane (C28)	17.354	2570410	17.637 ug/ml
17) T n-Tricontane (C30)	18.243	2680372	17.009 ug/ml
18) T n-Dotriacontane (C32)	19.079	2698908	16.682 ug/ml
19) T n-Tetratriacontane (C34)	19.863	2545433	16.703 ug/ml
20) T n-Hexatriacontane (C36)	20.604	2355714	17.520 ug/ml
21) T n-Octatriacontane (C38)	21.386	2356334	20.091 ug/mlm
22) T n-Tetracontane (C40)	22.379	2245302	20.716 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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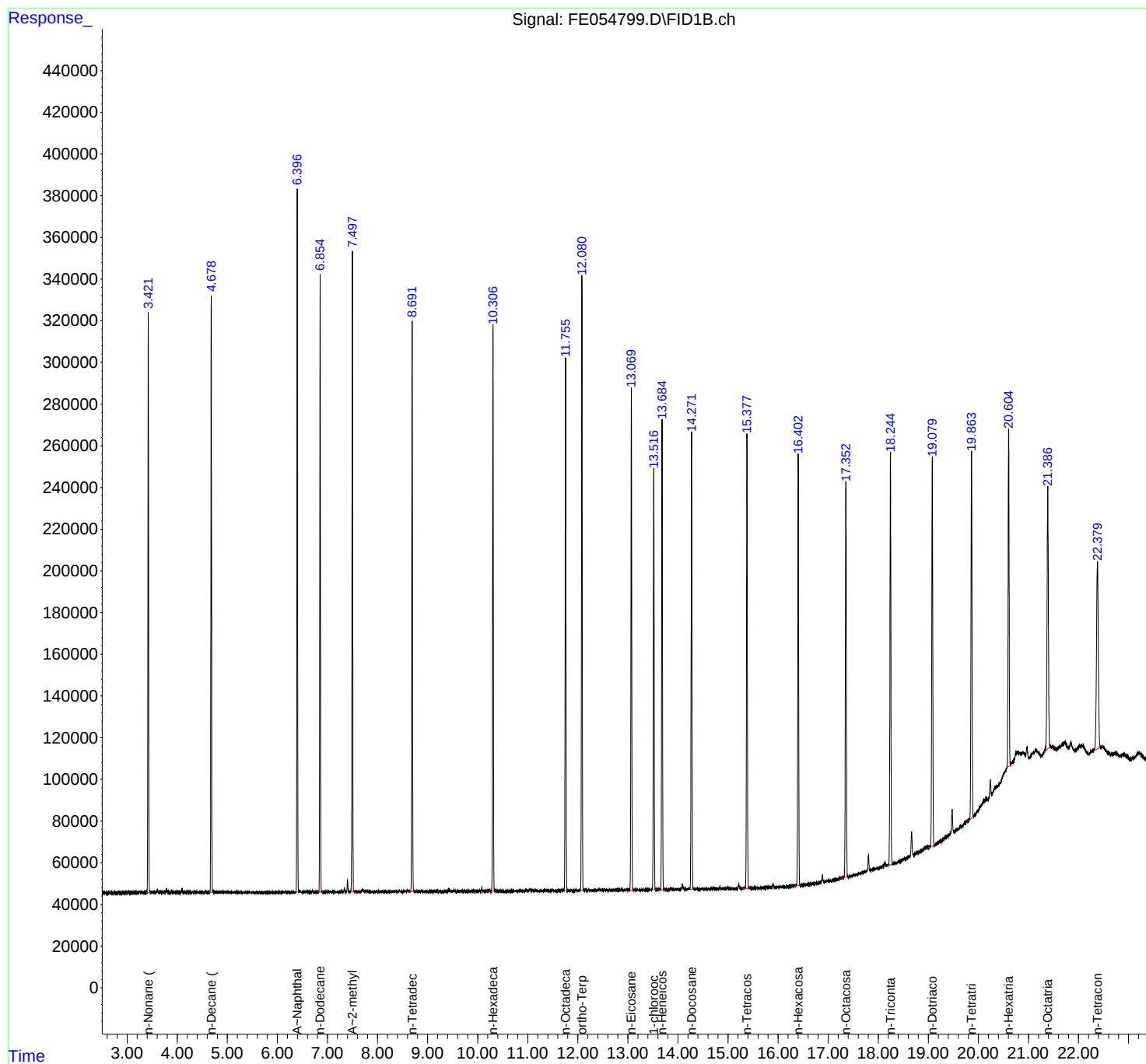
Instrument :
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20 PPM ALIPHATIC HC STD

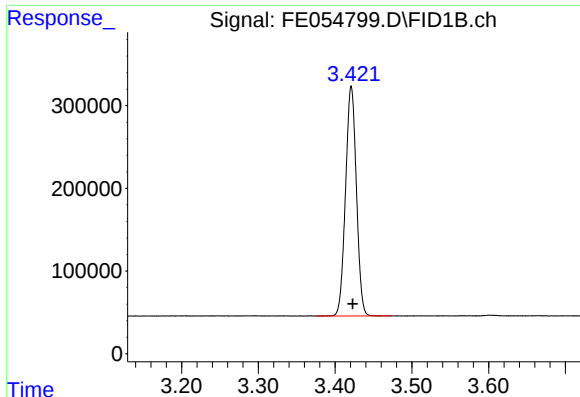
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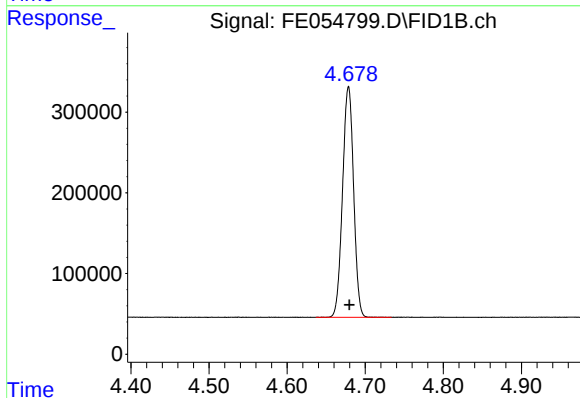
#1 n-Nonane (C9)

R.T.: 3.421 min
Delta R.T.: -0.002 min
Response: 2724503
Conc: 20.26 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

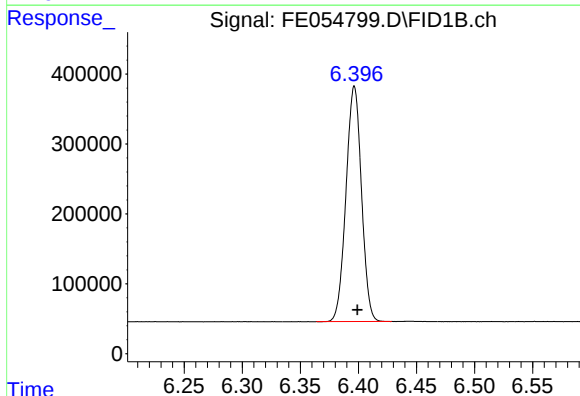
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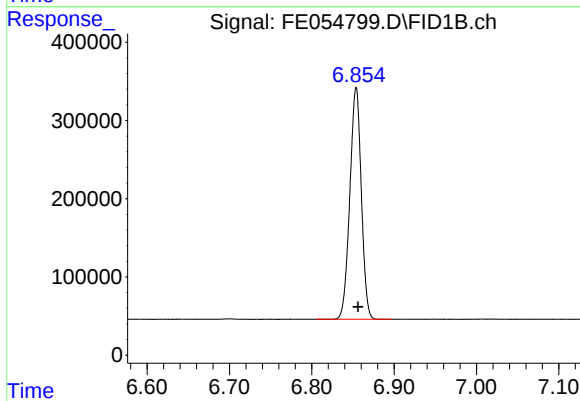
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: -0.002 min
Response: 2815299
Conc: 20.63 ug/ml



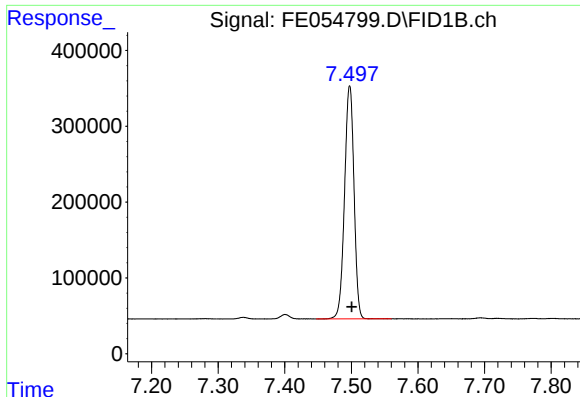
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: -0.003 min
Response: 3125787
Conc: 20.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.854 min
Delta R.T.: -0.002 min
Response: 2865061
Conc: 20.88 ug/ml



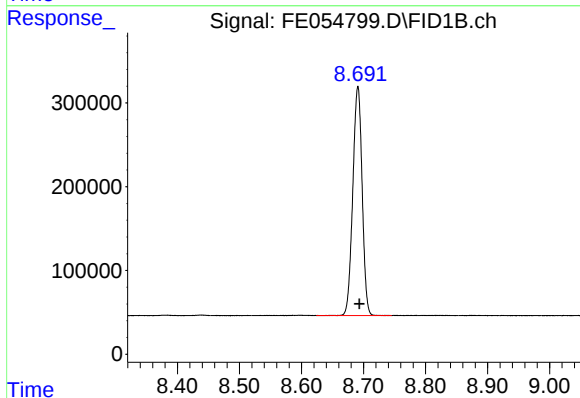
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 3032405
Conc: 20.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

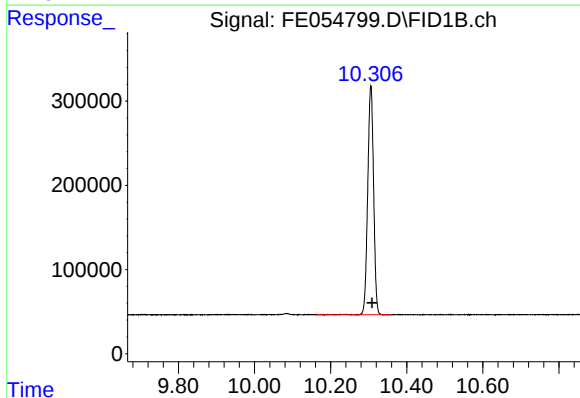
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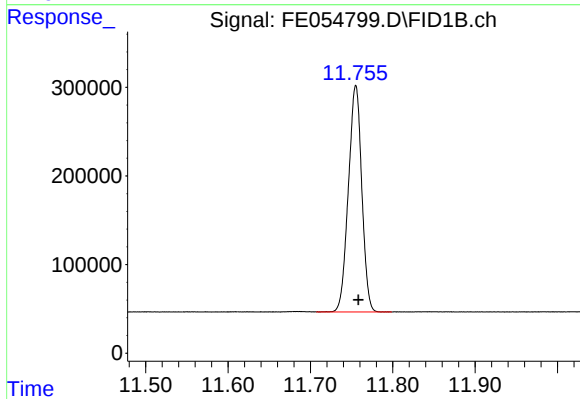
#6 n-Tetradecane (C14)

R.T.: 8.691 min
Delta R.T.: -0.003 min
Response: 2864696
Conc: 20.66 ug/ml



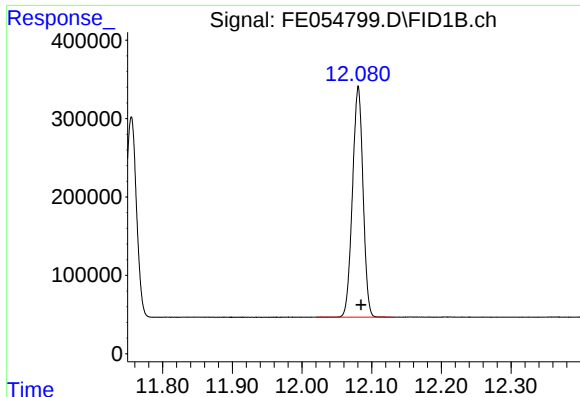
#7 n-Hexadecane (C16)

R.T.: 10.306 min
Delta R.T.: -0.003 min
Response: 2912605
Conc: 20.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.755 min
Delta R.T.: -0.003 min
Response: 2885601
Conc: 19.69 ug/ml



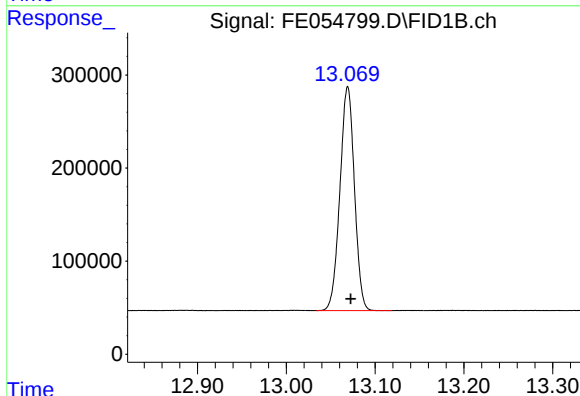
#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: -0.004 min
Response: 3098492
Conc: 19.08 ug/ml

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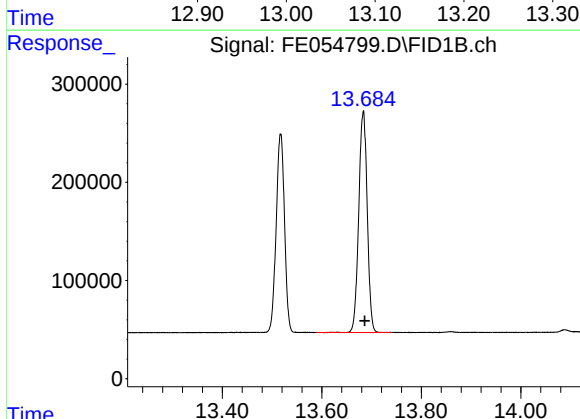
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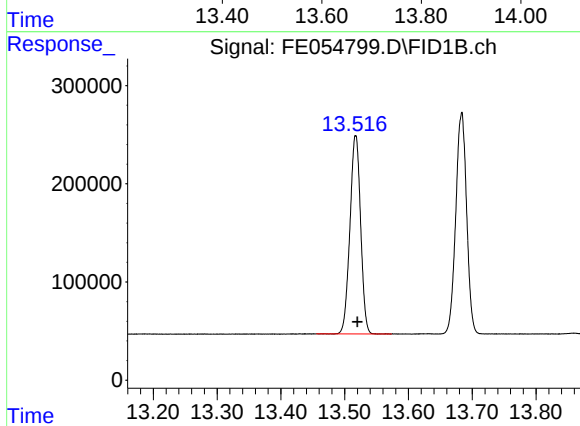
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: -0.004 min
Response: 2730946
Conc: 18.99 ug/ml



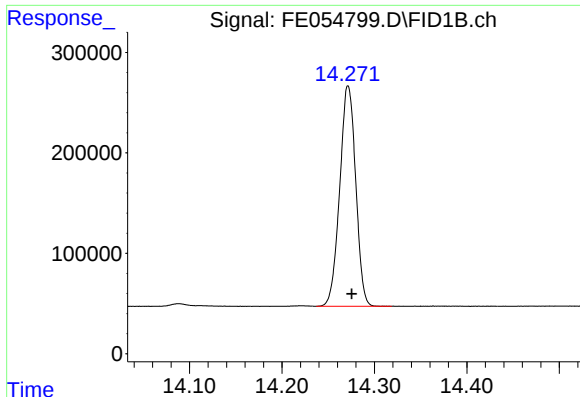
#11 n-Heneicosane (C21)

R.T.: 13.683 min
Delta R.T.: -0.003 min
Response: 2671611
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: -0.003 min
Response: 2352577
Conc: 18.63 ug/ml



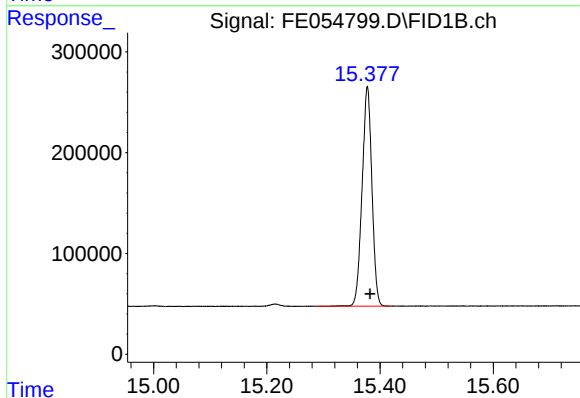
#13 n-Docosane (C22)

R.T.: 14.272 min
Delta R.T.: -0.004 min
Response: 2638192
Conc: 18.48 ug/ml

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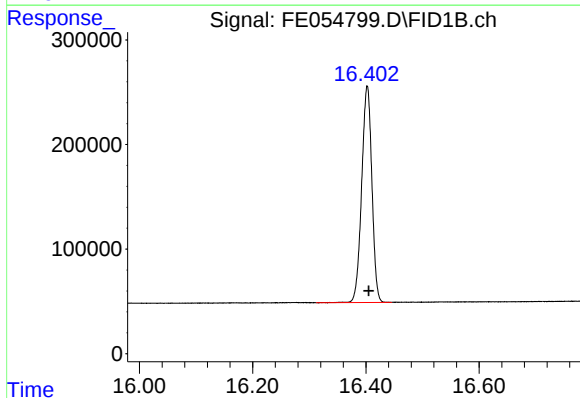
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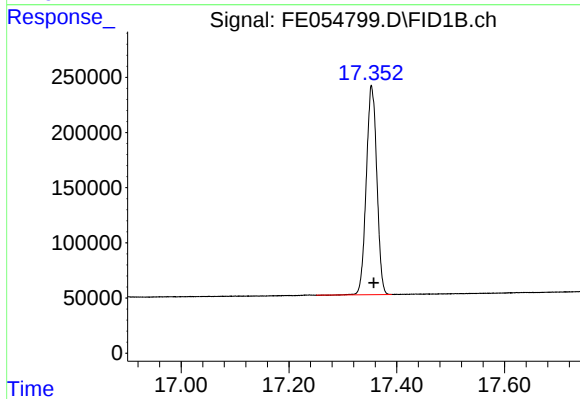
#14 n-Tetracosane (C24)

R.T.: 15.378 min
Delta R.T.: -0.005 min
Response: 2625665
Conc: 18.06 ug/ml



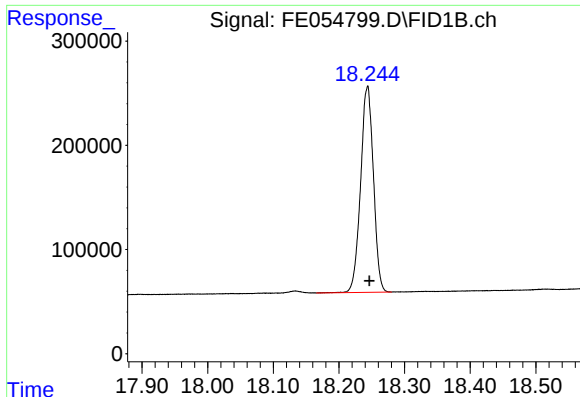
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: -0.003 min
Response: 2588159
Conc: 17.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.354 min
Delta R.T.: -0.004 min
Response: 2570410
Conc: 17.64 ug/ml



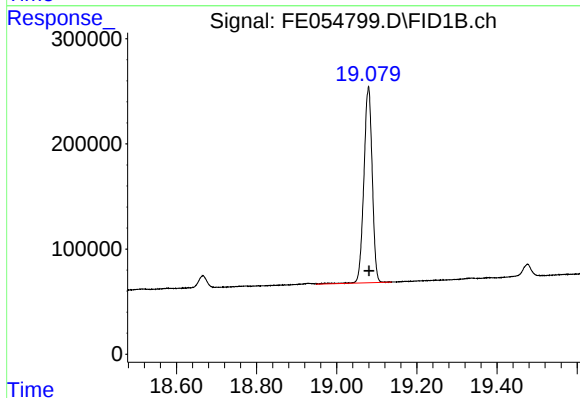
#17 n-Tricontane (C30)

R.T.: 18.243 min
Delta R.T.: -0.003 min
Response: 2680372
Conc: 17.01 ug/ml

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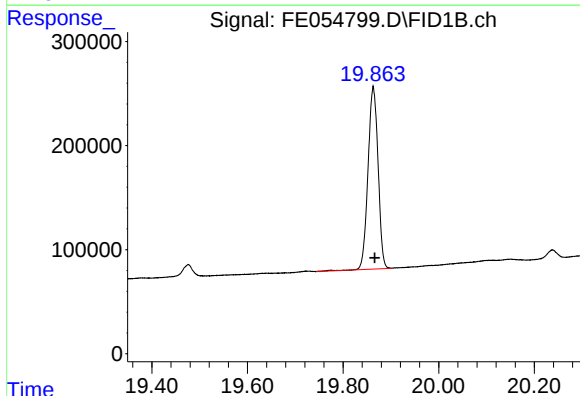
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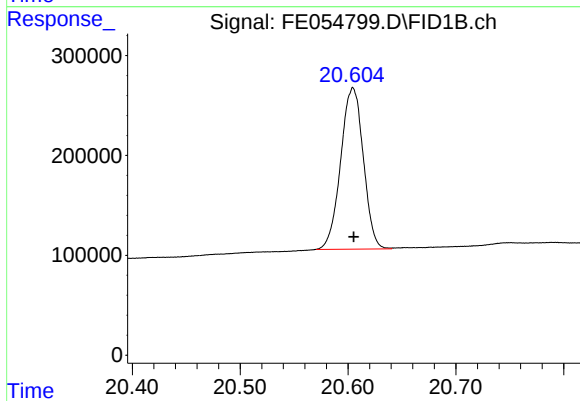
#18 n-Dotriacontane (C32)

R.T.: 19.079 min
Delta R.T.: -0.002 min
Response: 2698908
Conc: 16.68 ug/ml



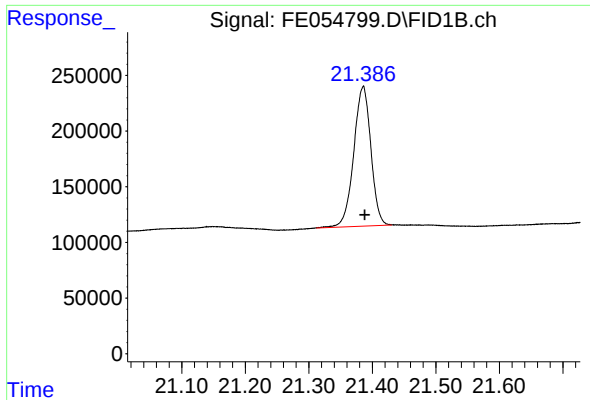
#19 n-Tetratriacontane (C34)

R.T.: 19.863 min
Delta R.T.: -0.003 min
Response: 2545433
Conc: 16.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.604 min
Delta R.T.: -0.001 min
Response: 2355714
Conc: 17.52 ug/ml



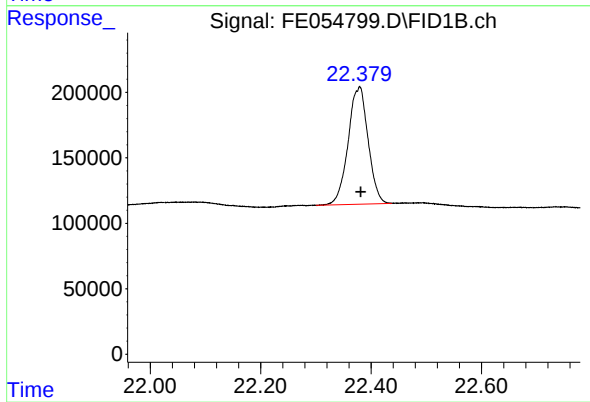
#21 n-Octatriacontane (C38)

R.T.: 21.386 min
Delta R.T.: -0.002 min
Response: 2356334
Conc: 20.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.379 min
Delta R.T.: -0.002 min
Response: 2245302
Conc: 20.72 ug/ml