

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052824AL\
 Data File : FE048398.D
 Signal(s) : FID1B.ch
 Acq On : 28 May 2024 09:16
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/29/2024
 Supervised By :Ankita Jodhani 05/29/2024

Integration File: autoint1.e
 Quant Time: May 29 01:15:13 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)	11.957	2803957	19.527 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
12) S 1-chlorooctadecane (S...	13.390	2086394	19.151 ug/ml
Spiked Amount 50.000		Recovery =	38.30%
Target Compounds			
1) T n-Nonane (C9)	3.342	2886650	19.308 ug/ml
2) T n-Decane (C10)	4.591	2951513	19.546 ug/ml
3) T A~Naphthalene (C11.7)	6.298	2923462	19.634 ug/ml
4) T n-Dodecane (C12)	6.756	2912258	19.674 ug/ml
5) T A~2-methylnaphthalene...	7.394	2726849	19.667 ug/ml
6) T n-Tetradecane (C14)	8.585	2787112	19.651 ug/ml
7) T n-Hexadecane (C16)	10.194	2768103	19.635 ug/ml
8) T n-Octadecane (C18)	11.636	2724489	19.617 ug/ml
10) T n-Eicosane (C20)	12.945	2585291	19.536 ug/ml
11) T n-Heneicosane (C21)	13.557	2519063	19.448 ug/ml
13) T n-Docosane (C22)	14.143	2531310	19.643 ug/ml
14) T n-Tetracosane (C24)	15.245	2616235	20.195 ug/ml
15) T n-Hexacosane (C26)	16.264	2646653	20.421 ug/ml
16) T n-Octacosane (C28)	17.213	2697461	20.870 ug/ml
17) T n-Tricontane (C30)	18.101	2799652	20.899 ug/ml
18) T n-Dotriacontane (C32)	18.933	2803743	20.655 ug/ml
19) T n-Tetratriacontane (C34)	19.715	2712370	19.827 ug/mlm
20) T n-Hexatriacontane (C36)	20.456	2599654	19.124 ug/mlm
21) T n-Octatriacontane (C38)	21.194	2631987	19.300 ug/ml
22) T n-Tetracontane (C40)	22.115	2634717	19.242 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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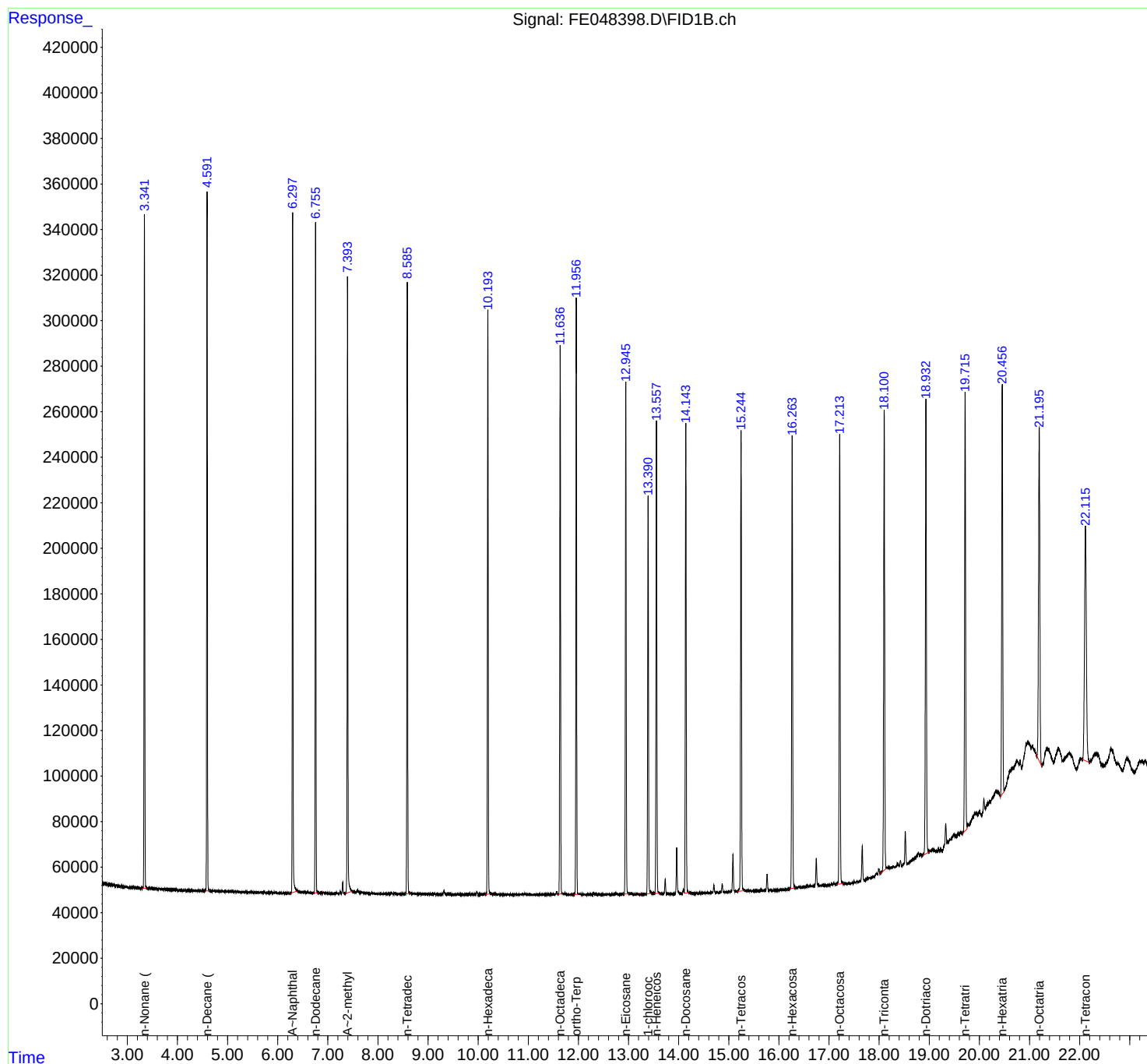
Instrument :
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20 PPM ALIPHATIC HC STD

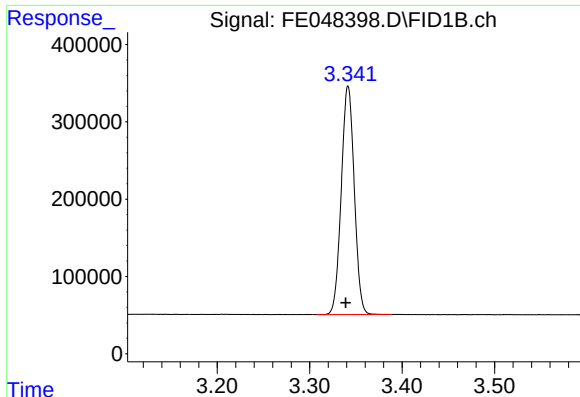
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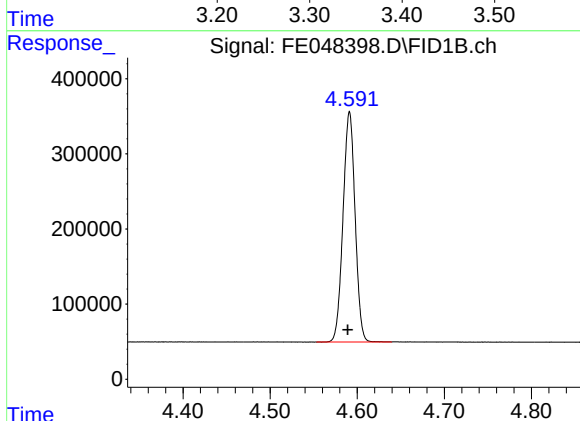
#1 n-Nonane (C9)

R.T.: 3.342 min
Delta R.T.: 0.003 min
Response: 2886650
Conc: 19.31 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

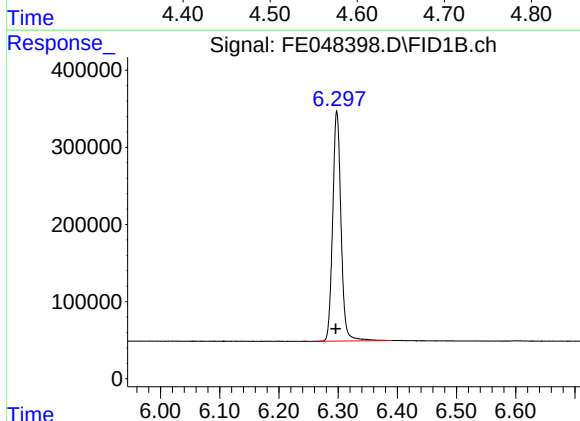
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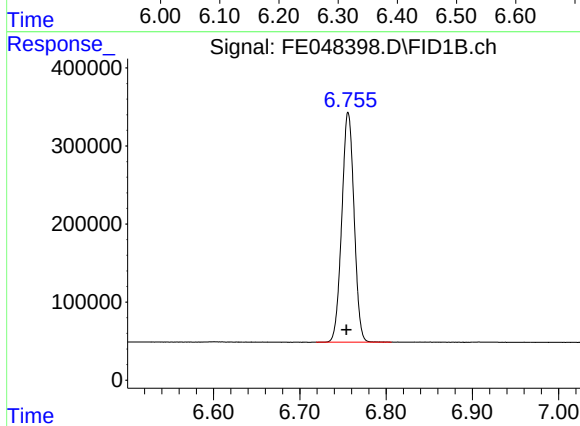
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: 0.002 min
Response: 2951513
Conc: 19.55 ug/ml



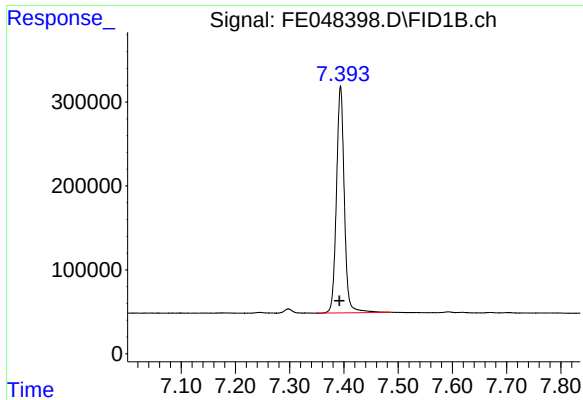
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: 0.002 min
Response: 2923462
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.756 min
Delta R.T.: 0.002 min
Response: 2912258
Conc: 19.67 ug/ml



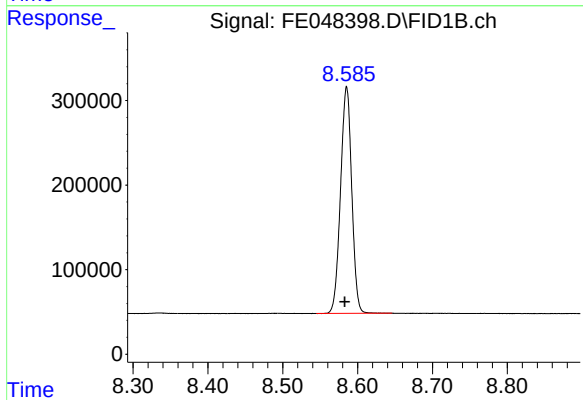
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.394 min
Delta R.T.: 0.002 min
Response: 2726849
Conc: 19.67 ug/ml

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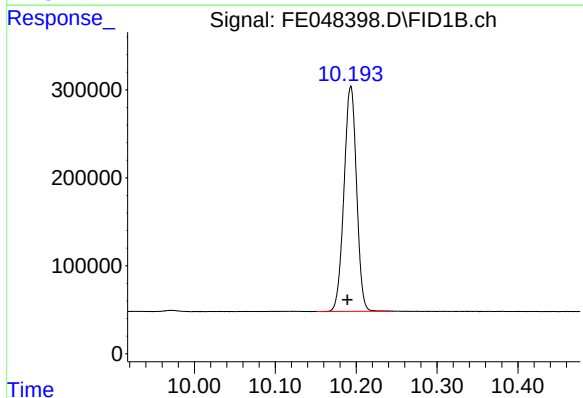
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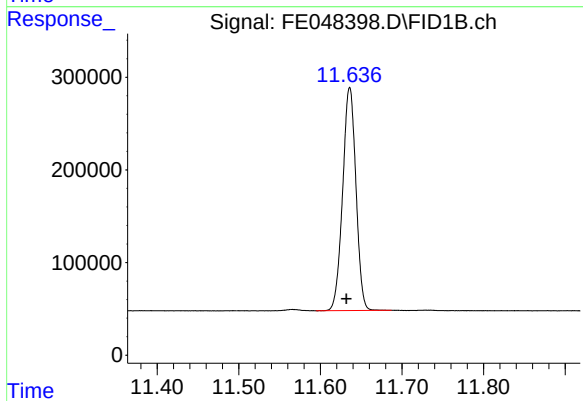
#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: 0.003 min
Response: 2787112
Conc: 19.65 ug/ml



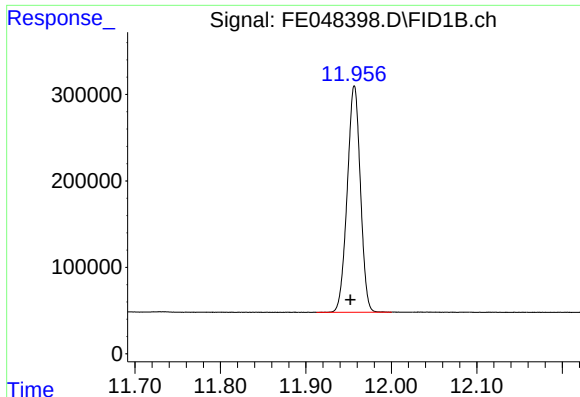
#7 n-Hexadecane (C16)

R.T.: 10.194 min
Delta R.T.: 0.004 min
Response: 2768103
Conc: 19.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.636 min
Delta R.T.: 0.004 min
Response: 2724489
Conc: 19.62 ug/ml



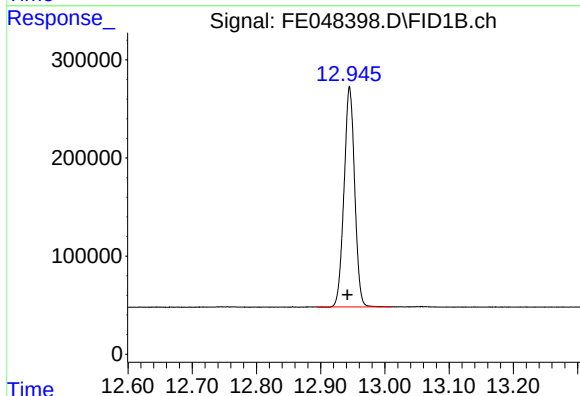
#9 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: 0.005 min
Response: 2803957
Conc: 19.53 ug/ml

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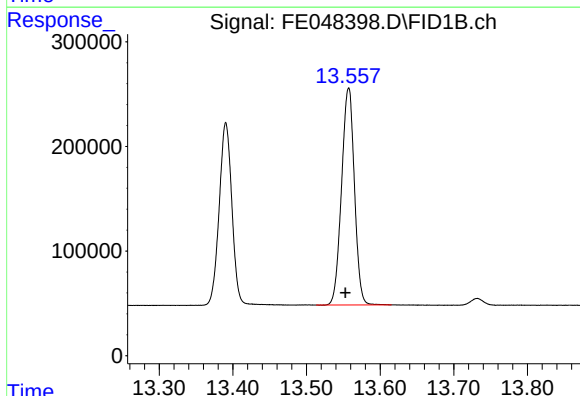
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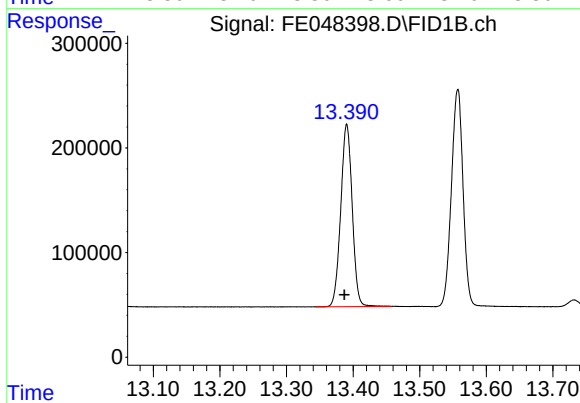
#10 n-Eicosane (C20)

R.T.: 12.945 min
Delta R.T.: 0.003 min
Response: 2585291
Conc: 19.54 ug/ml



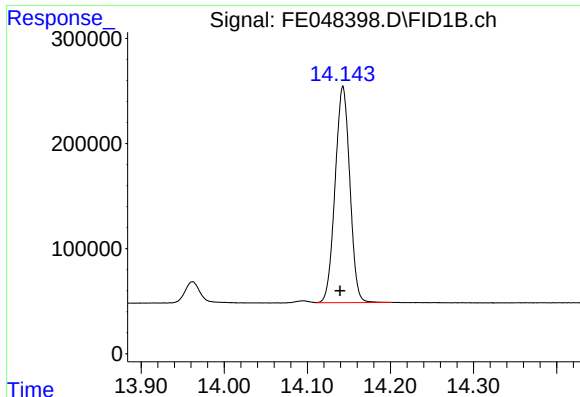
#11 n-Heneicosane (C21)

R.T.: 13.557 min
Delta R.T.: 0.005 min
Response: 2519063
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: 0.004 min
Response: 2086394
Conc: 19.15 ug/ml



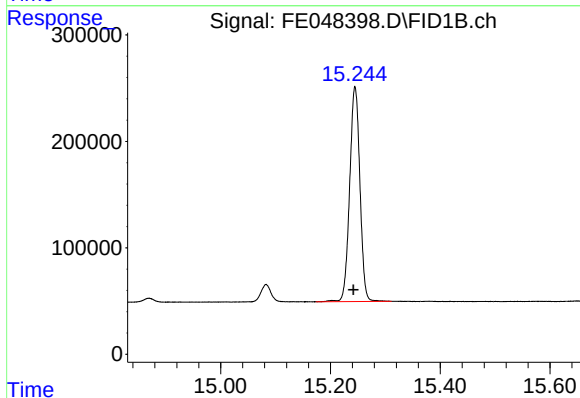
#13 n-Docosane (C22)

R.T.: 14.143 min
Delta R.T.: 0.003 min
Response: 2531310
Conc: 19.64 ug/ml

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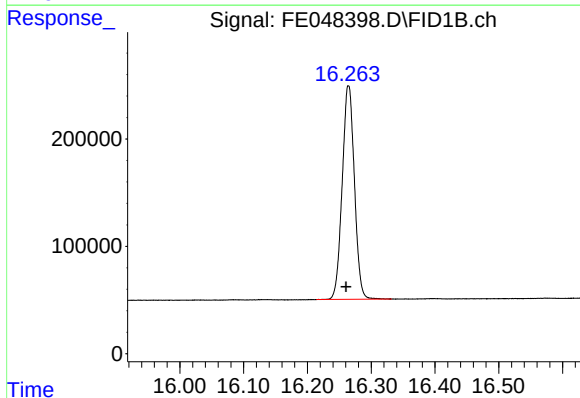
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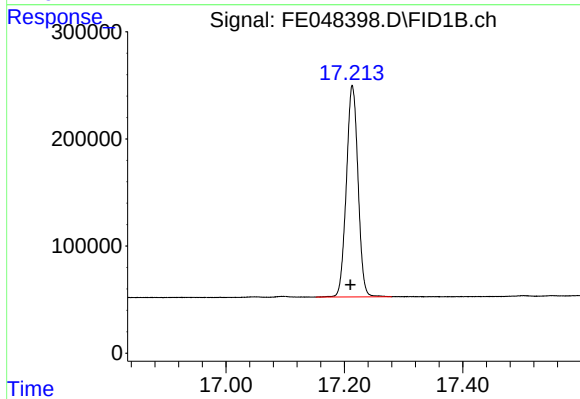
#14 n-Tetracosane (C24)

R.T.: 15.245 min
Delta R.T.: 0.003 min
Response: 2616235
Conc: 20.19 ug/ml



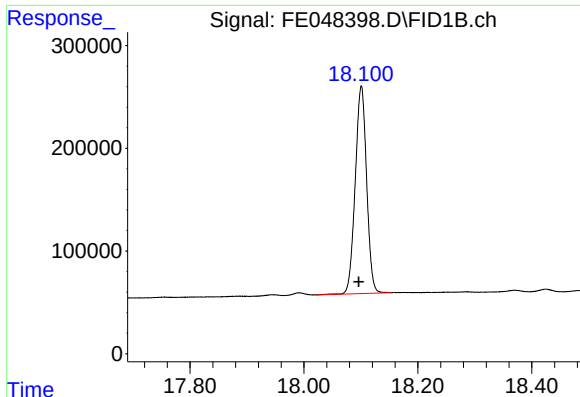
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: 0.004 min
Response: 2646653
Conc: 20.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: 0.003 min
Response: 2697461
Conc: 20.87 ug/ml



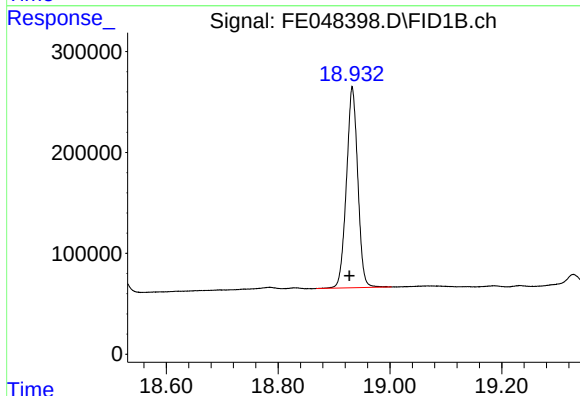
#17 n-Tricontane (C30)

R.T.: 18.101 min
Delta R.T.: 0.005 min
Response: 2799652
Conc: 20.90 ug/ml

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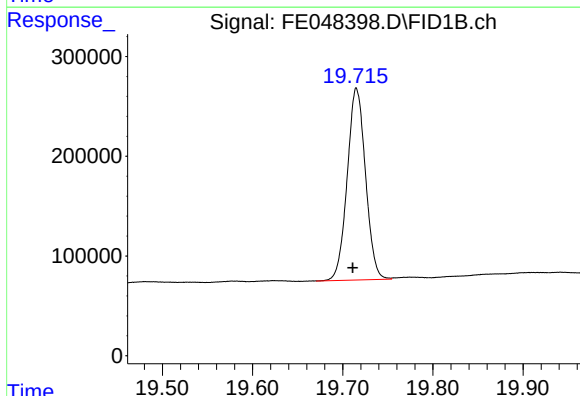
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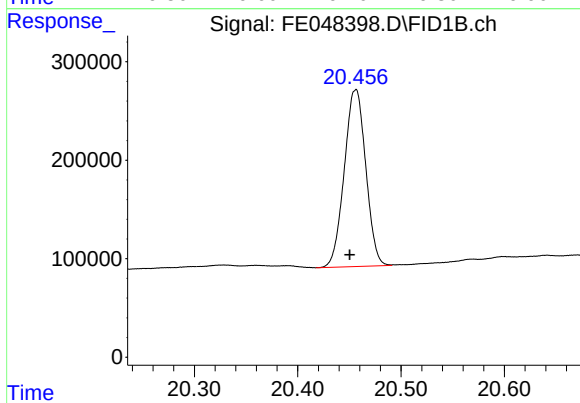
#18 n-Dotriacontane (C32)

R.T.: 18.933 min
Delta R.T.: 0.005 min
Response: 2803743
Conc: 20.66 ug/ml



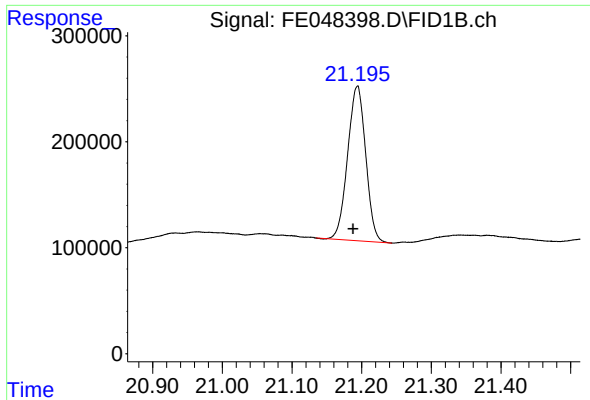
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: 0.003 min
Response: 2712370
Conc: 19.83 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.006 min
Response: 2599654
Conc: 19.12 ug/ml m



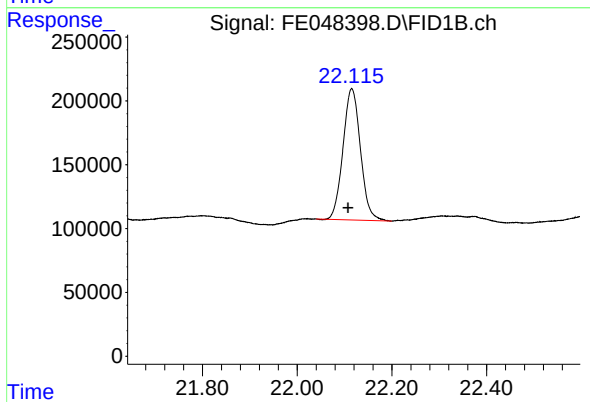
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: 0.006 min
Response: 2631987
Conc: 19.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: 0.008 min
Response: 2634717
Conc: 19.24 ug/ml