

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121323AL\
 Data File : FE045821.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2023 22:40
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :Ankita Jodhani 12/14/2023

Integration File: autoint1.e
 Quant Time: Dec 13 23:11:35 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.841	3949156	18.885 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
12) S 1-chlorooctadecane (S...	13.283	2918679	18.549 ug/ml
Spiked Amount 50.000		Recovery =	37.10%
Target Compounds			
1) T n-Nonane (C9)	3.232	3243022	20.451 ug/ml
2) T n-Decane (C10)	4.483	3320606	20.736 ug/ml
3) T A~Naphthalene (C11.7)	6.183	3598067	20.655 ug/ml
4) T n-Dodecane (C12)	6.649	3351062	20.746 ug/ml
5) T A~2-methylnaphthalene...	7.278	3484973	20.522 ug/ml
6) T n-Tetradecane (C14)	8.476	3336632	20.799 ug/ml
7) T n-Hexadecane (C16)	10.085	3396129	20.509 ug/ml
8) T n-Octadecane (C18)	11.529	3402994	19.848 ug/ml
10) T n-Eicosane (C20)	12.839	3281372	18.965 ug/ml
11) T n-Heneicosane (C21)	13.452	3197612	18.587 ug/ml
13) T n-Docosane (C22)	14.038	3182066	18.455 ug/ml
14) T n-Tetracosane (C24)	15.143	3184075	18.239 ug/ml
15) T n-Hexacosane (C26)	16.166	3118748	17.908 ug/ml
16) T n-Octacosane (C28)	17.117	3155041	18.255 ug/ml
17) T n-Tricontane (C30)	18.007	3303460	18.883 ug/ml
18) T n-Dotriacontane (C32)	18.842	3355566	18.393 ug/ml
19) T n-Tetratriacontane (C34)	19.626	3140557	18.927 ug/mlm
20) T n-Hexatriacontane (C36)	20.368	3011787	18.973 ug/mlm
21) T n-Octatriacontane (C38)	21.097	2943009	18.767 ug/mlm
22) T n-Tetracontane (C40)	21.995	3168114	22.293 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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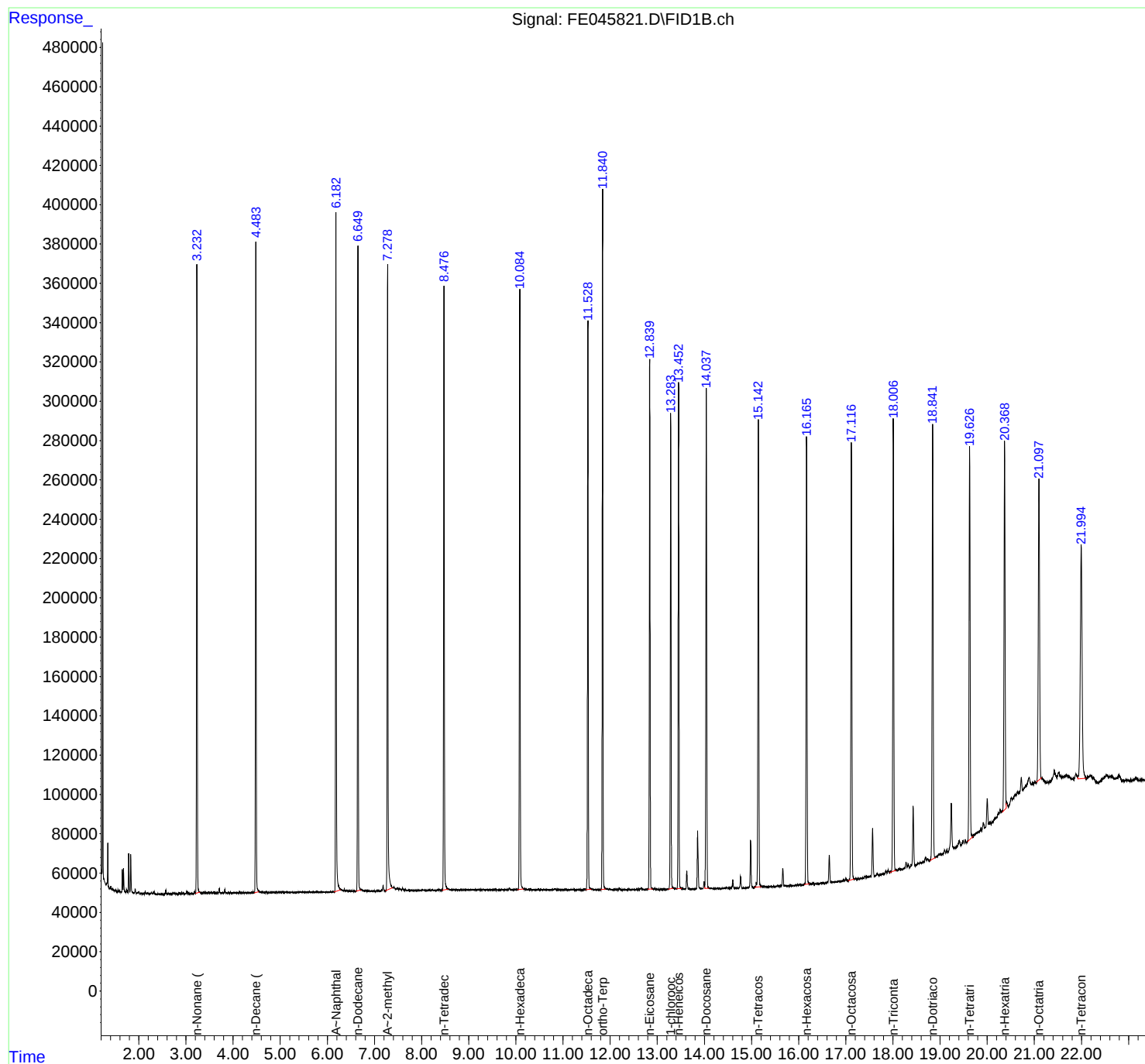
Instrument :
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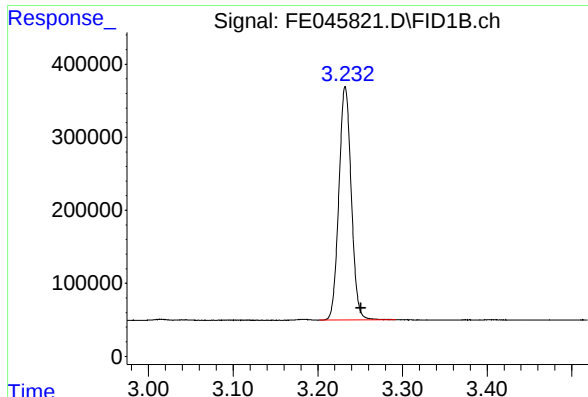
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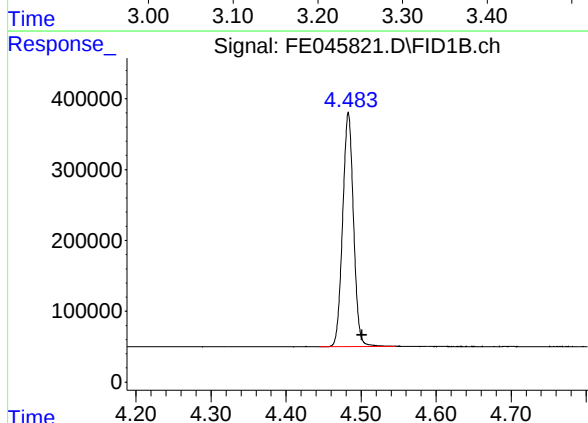
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.019 min
Response: 3243022
Conc: 20.45 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

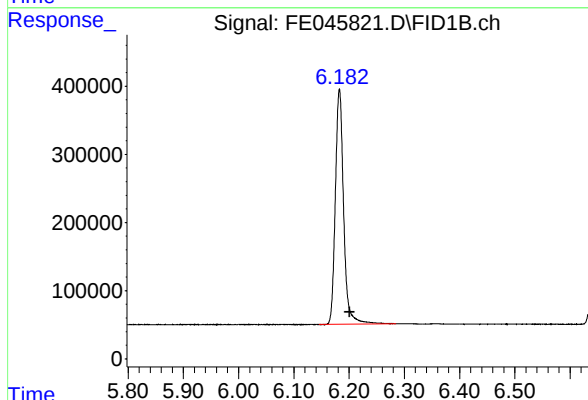
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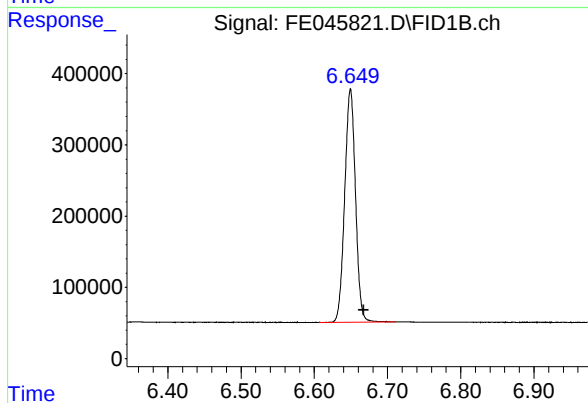
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.018 min
Response: 3320606
Conc: 20.74 ug/ml



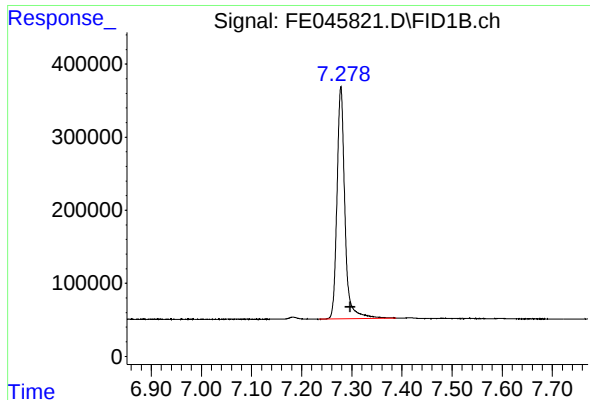
#3 A~Naphthalene (C11.7)

R.T.: 6.183 min
Delta R.T.: -0.019 min
Response: 3598067
Conc: 20.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.018 min
Response: 3351062
Conc: 20.75 ug/ml



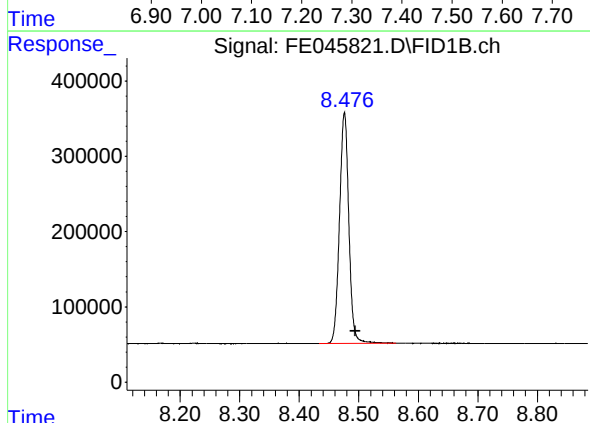
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.278 min
Delta R.T.: -0.019 min
Response: 3484973
Conc: 20.52 ug/ml

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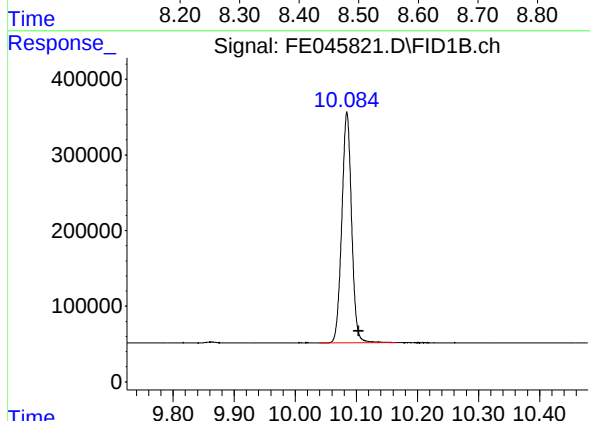
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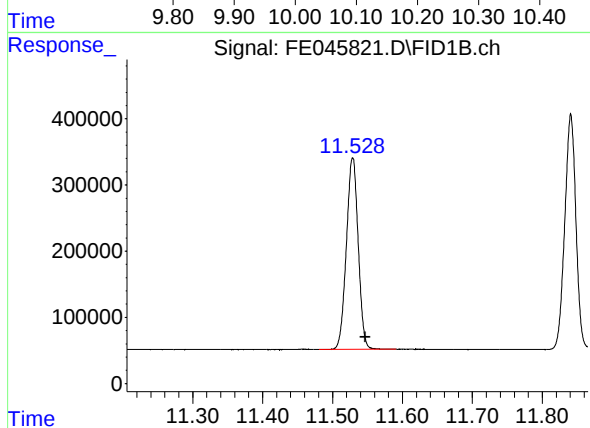
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.018 min
Response: 3336632
Conc: 20.80 ug/ml



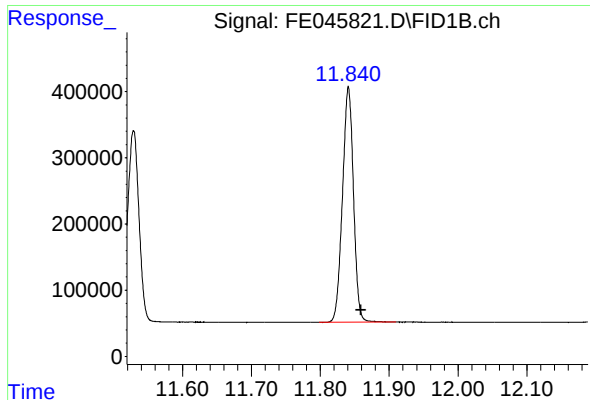
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.019 min
Response: 3396129
Conc: 20.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.018 min
Response: 3402994
Conc: 19.85 ug/ml



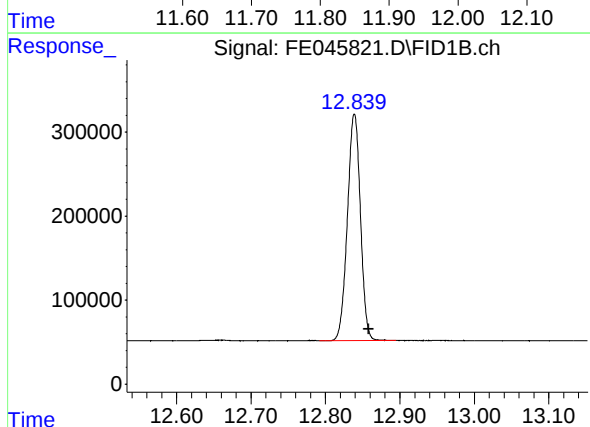
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.018 min
Response: 3949156
Conc: 18.88 ug/ml

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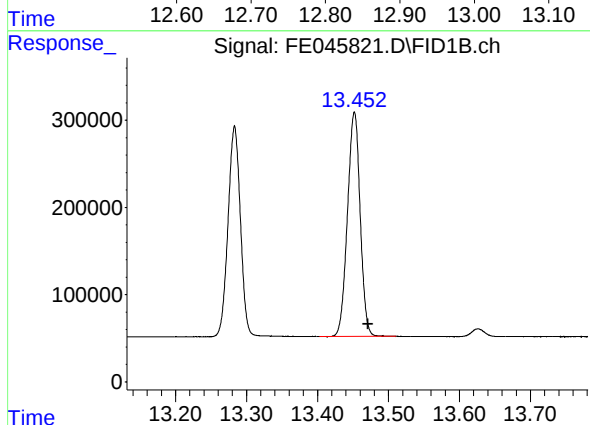
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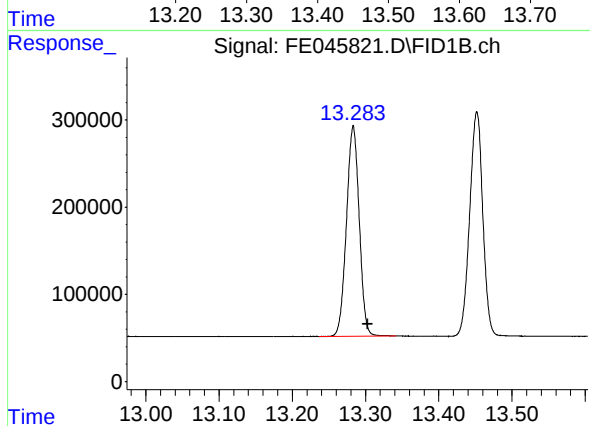
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.019 min
Response: 3281372
Conc: 18.97 ug/ml



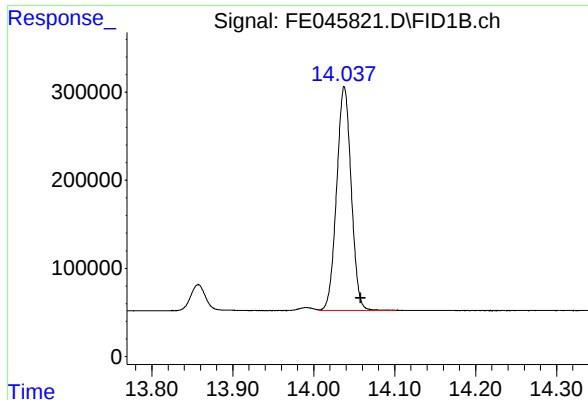
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.019 min
Response: 3197612
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.020 min
Response: 2918679
Conc: 18.55 ug/ml



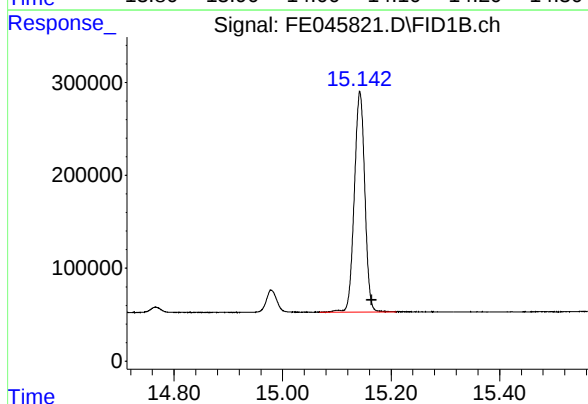
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.020 min
Response: 3182066
Conc: 18.46 ug/ml

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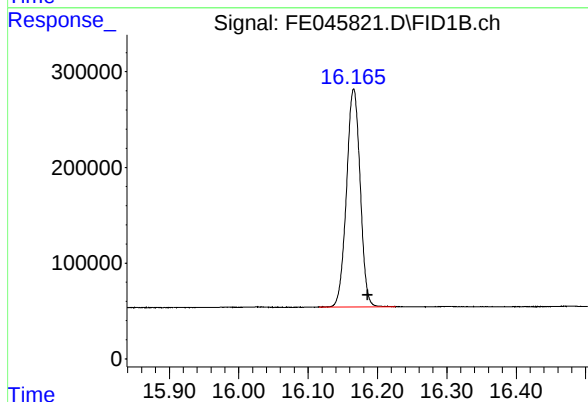
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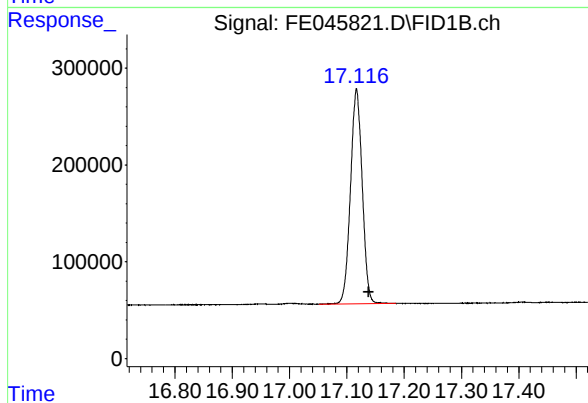
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.022 min
Response: 3184075
Conc: 18.24 ug/ml



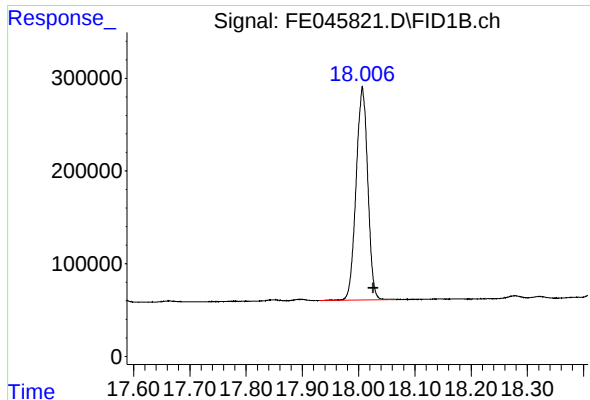
#15 n-Hexacosane (C26)

R.T.: 16.166 min
Delta R.T.: -0.020 min
Response: 3118748
Conc: 17.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.021 min
Response: 3155041
Conc: 18.25 ug/ml



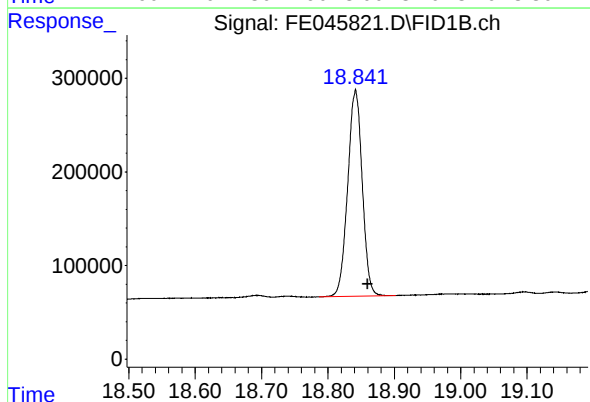
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.019 min
Response: 3303460
Conc: 18.88 ug/ml

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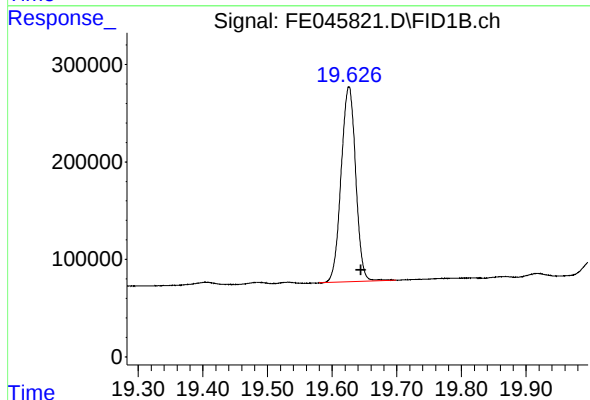
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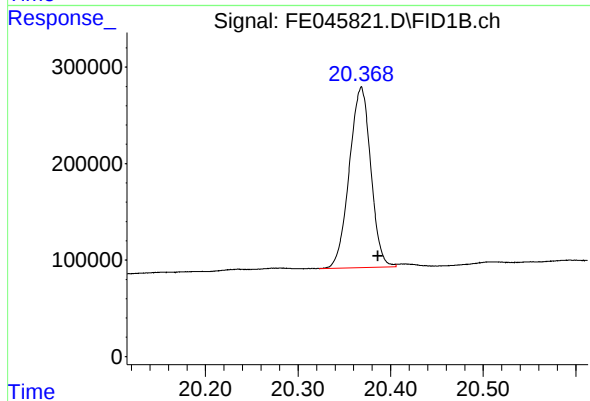
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.018 min
Response: 3355566
Conc: 18.39 ug/ml



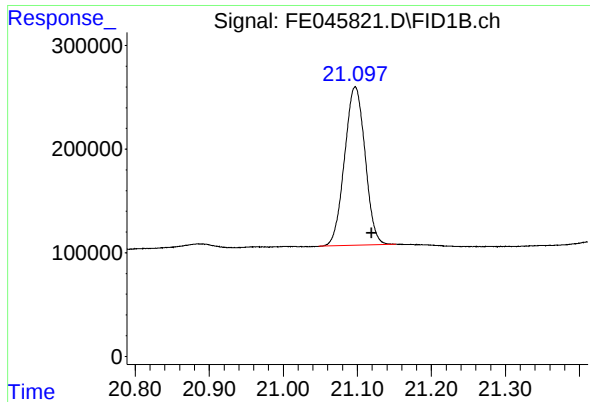
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.018 min
Response: 3140557
Conc: 18.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.018 min
Response: 3011787
Conc: 18.97 ug/ml m



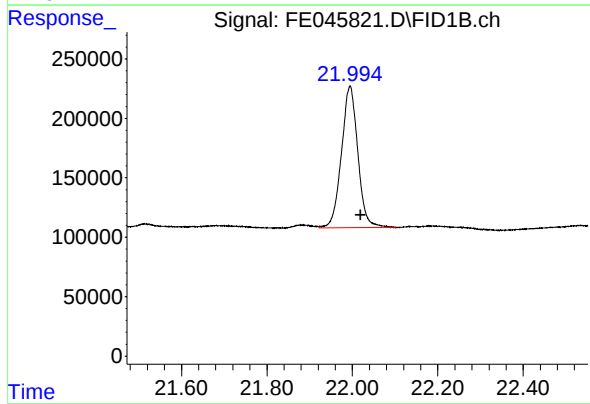
#21 n-Octatriacontane (C38)

R.T.: 21.097 min
Delta R.T.: -0.022 min
Response: 2943009
Conc: 18.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.995 min
Delta R.T.: -0.025 min
Response: 3168114
Conc: 22.29 ug/ml