

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111924AL\
 Data File : FE051345.D
 Signal(s) : FID1B.ch
 Acq On : 19 Nov 2024 11:58
 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 11/20/2024
 Supervised By :Ankita Jodhani 11/20/2024

Integration File: autoint1.e
 Quant Time: Nov 20 02:35:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.846	3082289	20.536 ug/ml
Spiked Amount 50.000		Recovery =	41.07%
12) S 1-chlorooctadecane (S...	13.279	2334686	20.564 ug/ml
Spiked Amount 50.000		Recovery =	41.13%
Target Compounds			
1) T n-Nonane (C9)	3.235	3181853	22.995 ug/ml
2) T n-Decane (C10)	4.485	3222316	22.987 ug/ml
3) T A~Naphthalene (C11.7)	6.198	2934856	22.259 ug/ml
4) T n-Dodecane (C12)	6.652	3170366	22.453 ug/ml
5) T A~2-methylnaphthalene...	7.294	2695226	21.546 ug/ml
6) T n-Tetradecane (C14)	8.478	3041340	21.823 ug/ml
7) T n-Hexadecane (C16)	10.084	3022017	21.296 ug/ml
8) T n-Octadecane (C18)	11.525	2981814	20.880 ug/ml
10) T n-Eicosane (C20)	12.833	2822979	20.628 ug/ml
11) T n-Heneicosane (C21)	13.443	2744142	20.533 ug/ml
13) T n-Docosane (C22)	14.028	2731524	20.545 ug/mlm
14) T n-Tetracosane (C24)	15.130	2804920	21.144 ug/ml
15) T n-Hexacosane (C26)	16.150	2839801	21.213 ug/ml
16) T n-Octacosane (C28)	17.099	2917362	21.399 ug/ml
17) T n-Tricontane (C30)	17.984	3123160	21.496 ug/ml
18) T n-Dotriacontane (C32)	18.817	3273250	22.045 ug/ml
19) T n-Tetratriacontane (C34)	19.599	3024981	22.513 ug/ml
20) T n-Hexatriacontane (C36)	20.338	2615374	21.919 ug/ml
21) T n-Octatriacontane (C38)	21.061	2174917	19.109 ug/ml
22) T n-Tetracontane (C40)	21.940	1779776	16.002 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

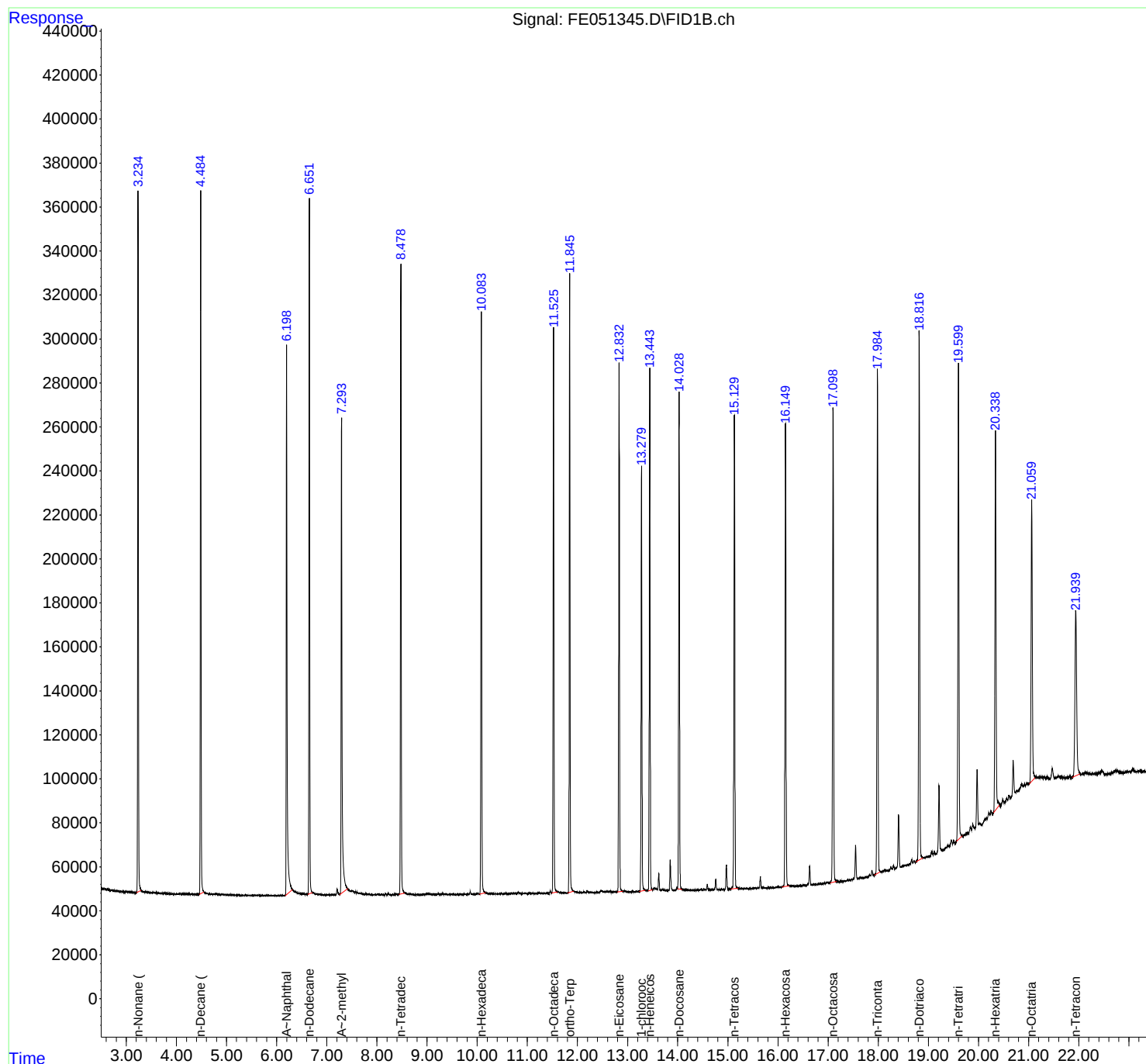
Instrument :
FID_E
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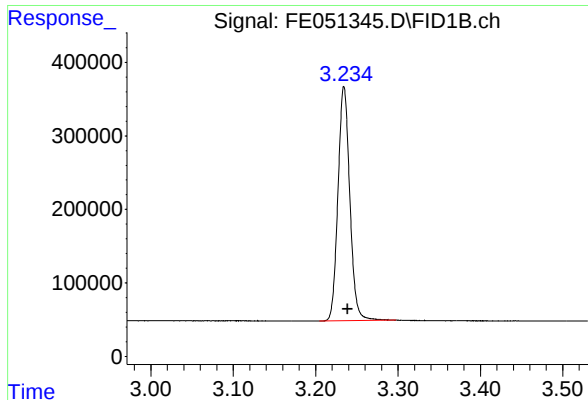
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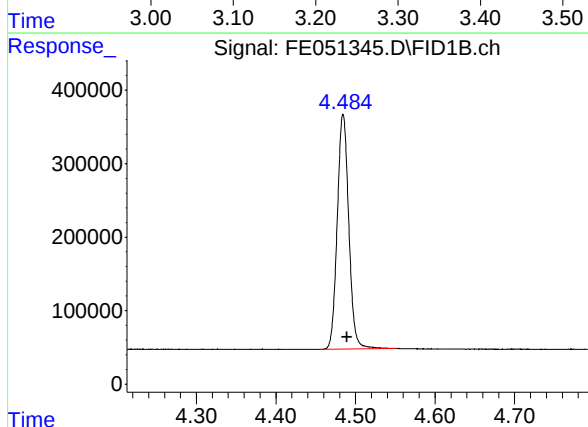
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.004 min
Response: 3181853
Conc: 23.00 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

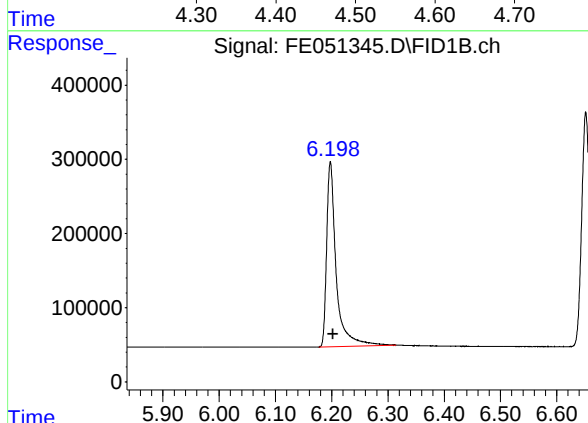
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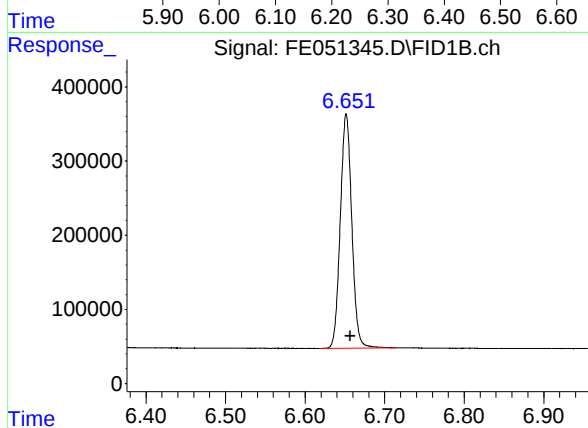
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.005 min
Response: 3222316
Conc: 22.99 ug/ml



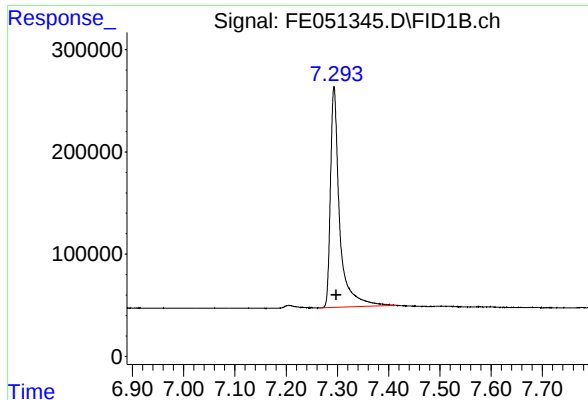
#3 A~Naphthalene (C11.7)

R.T.: 6.198 min
Delta R.T.: -0.004 min
Response: 2934856
Conc: 22.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.652 min
Delta R.T.: -0.005 min
Response: 3170366
Conc: 22.45 ug/ml



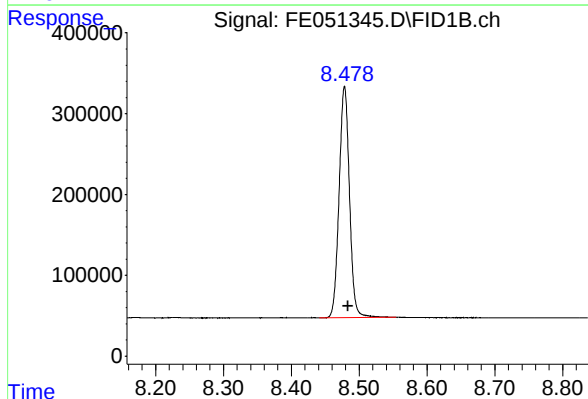
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.294 min
Delta R.T.: -0.004 min
Response: 2695226
Conc: 21.55 ug/ml

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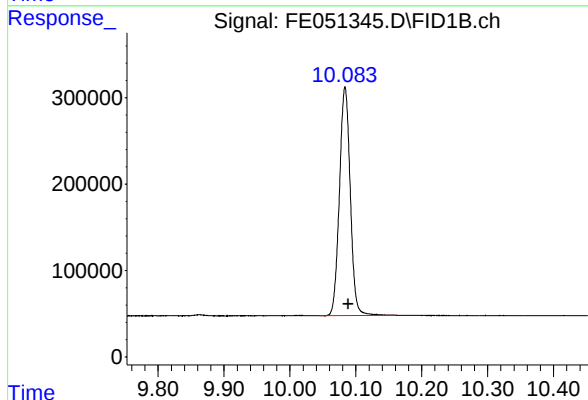
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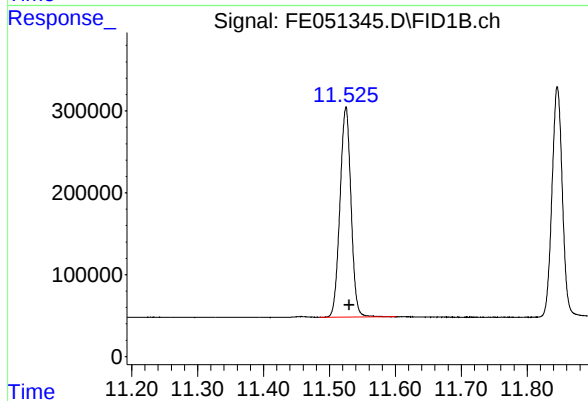
#6 n-Tetradecane (C14)

R.T.: 8.478 min
Delta R.T.: -0.005 min
Response: 3041340
Conc: 21.82 ug/ml



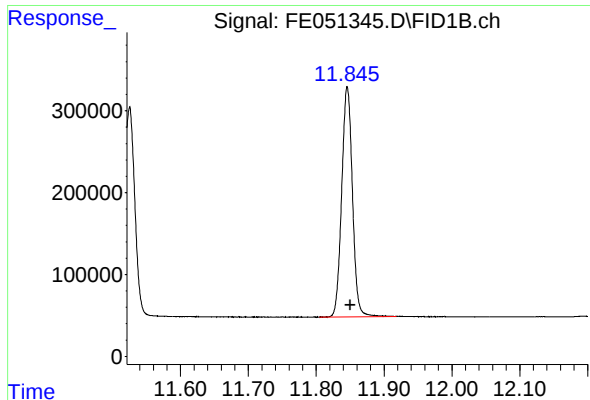
#7 n-Hexadecane (C16)

R.T.: 10.084 min
Delta R.T.: -0.005 min
Response: 3022017
Conc: 21.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.005 min
Response: 2981814
Conc: 20.88 ug/ml



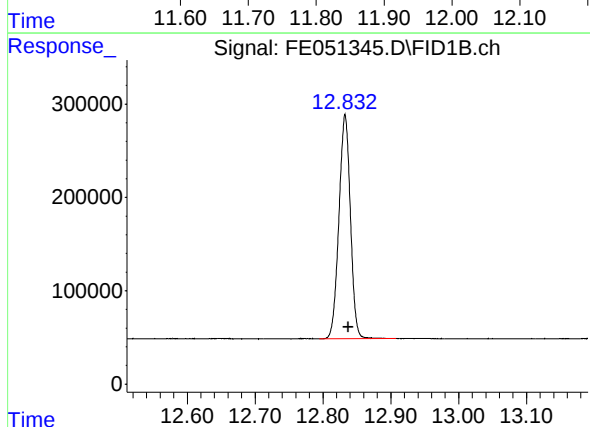
#9 ortho-Terphenyl (SURR)

R.T.: 11.846 min
Delta R.T.: -0.005 min
Response: 3082289
Conc: 20.54 ug/ml

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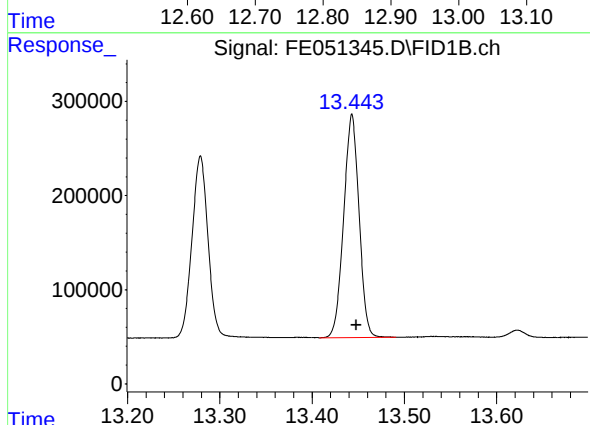
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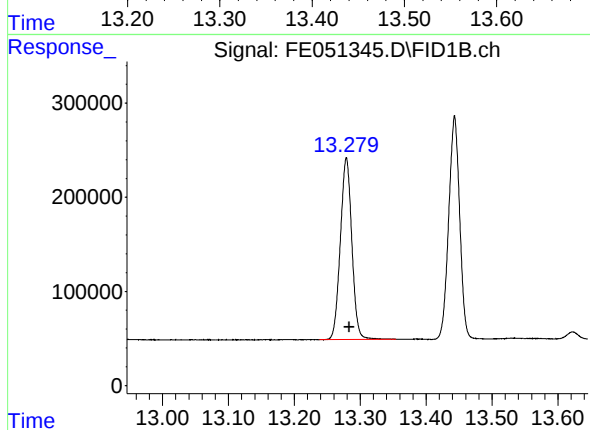
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.004 min
Response: 2822979
Conc: 20.63 ug/ml



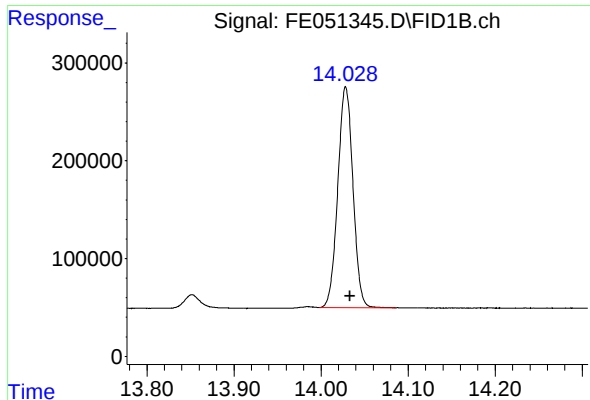
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.005 min
Response: 2744142
Conc: 20.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.279 min
Delta R.T.: -0.004 min
Response: 2334686
Conc: 20.56 ug/ml



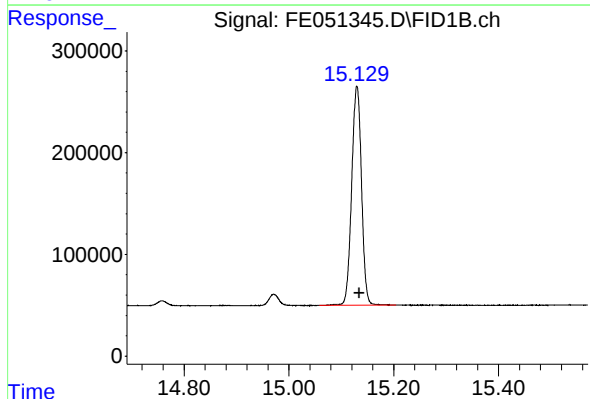
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.006 min
Response: 2731524
Conc: 20.55 ug/ml

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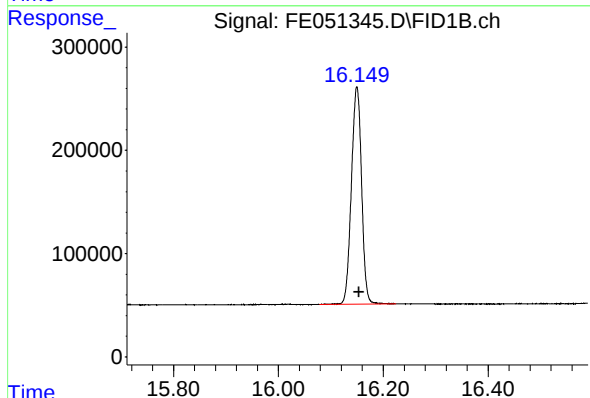
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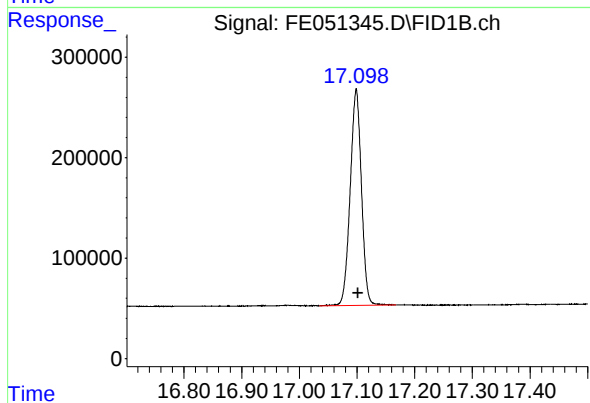
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.005 min
Response: 2804920
Conc: 21.14 ug/ml



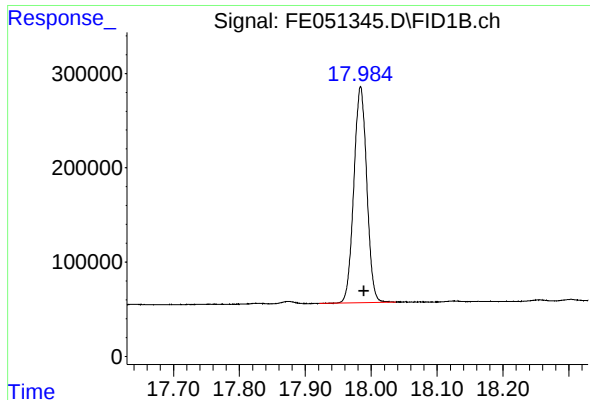
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.004 min
Response: 2839801
Conc: 21.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.003 min
Response: 2917362
Conc: 21.40 ug/ml



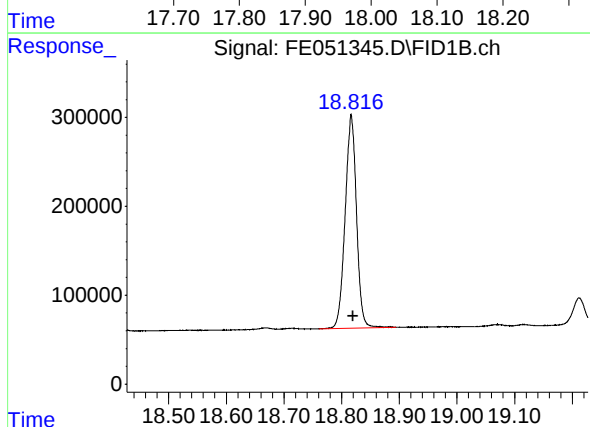
#17 n-Tricontane (C30)

R.T.: 17.984 min
Delta R.T.: -0.005 min
Response: 3123160
Conc: 21.50 ug/ml

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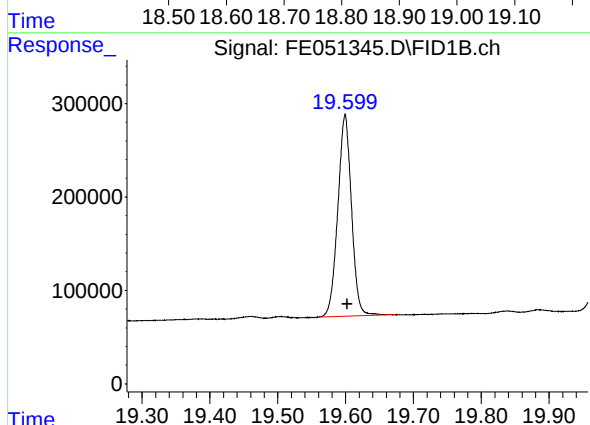
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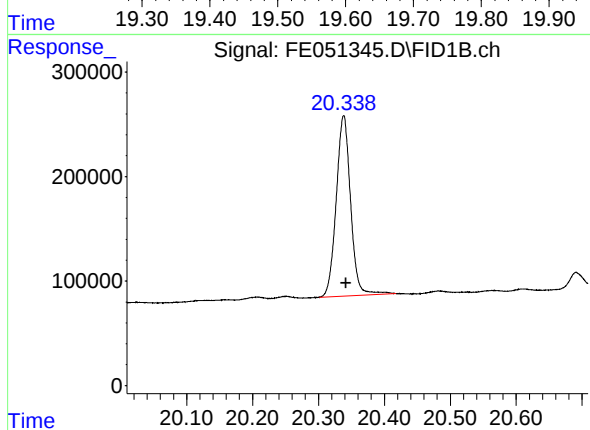
#18 n-Dotriacontane (C32)

R.T.: 18.817 min
Delta R.T.: -0.003 min
Response: 3273250
Conc: 22.04 ug/ml



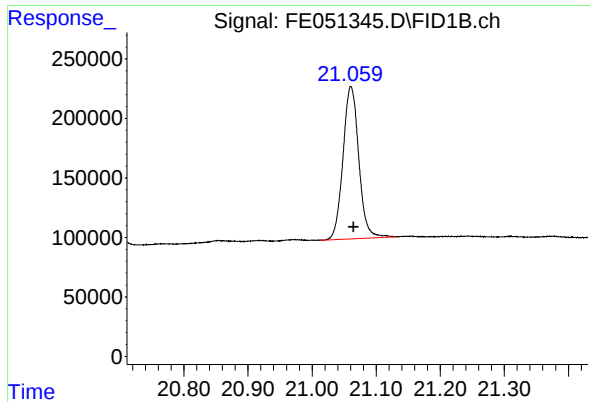
#19 n-Tetratriacontane (C34)

R.T.: 19.599 min
Delta R.T.: -0.003 min
Response: 3024981
Conc: 22.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.338 min
Delta R.T.: -0.004 min
Response: 2615374
Conc: 21.92 ug/ml



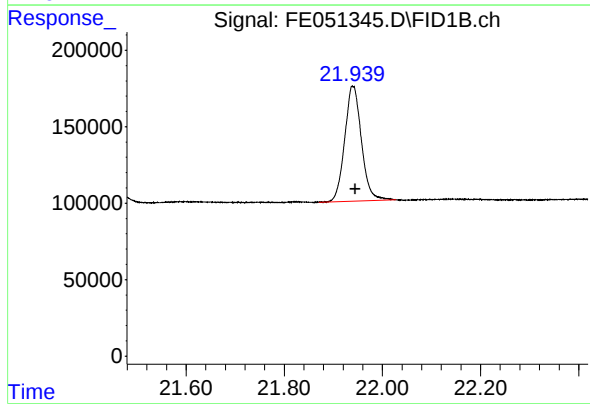
#21 n-Octatriacontane (C38)

R.T.: 21.061 min
Delta R.T.: -0.004 min
Response: 2174917
Conc: 19.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.940 min
Delta R.T.: -0.005 min
Response: 1779776
Conc: 16.00 ug/ml