

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031522AL\
 Data File : FE035346.D
 Signal(s) : FID1B.CH
 Acq On : 15 Mar 2022 17:41
 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 03/17/2022
 Supervised By :Ankita Jodhani 03/17/2022

Integration File: sample.E
 Quant Time: Mar 16 08:50:58 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022822.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 01 02:07:56 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.368	2610345	18.847 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
12) S 1-chlorooctadecane (S...	12.803	1970015	18.187 ug/ml
Spiked Amount 50.000		Recovery =	36.37%
Target Compounds			
1) T n-Nonane (C9)	3.181	2339001	20.370 ug/ml
2) T n-Decane (C10)	4.237	2319056	20.356 ug/ml
3) T A~Naphthalene (C11.7)	5.807	2546173	20.047 ug/ml
4) T n-Dodecane (C12)	6.244	2386491	20.298 ug/ml
5) T A~2-methylnaphthalene...	6.857	2558343	20.028 ug/ml
6) T n-Tetradecane (C14)	8.030	2408887	20.185 ug/ml
7) T n-Hexadecane (C16)	9.624	2426652	19.917 ug/ml
8) T n-Octadecane (C18)	11.059	2434600	19.421 ug/ml
10) T n-Eicosane (C20)	12.363	2372533	18.763 ug/ml
11) T n-Heneicosane (C21)	12.971	2343037	18.399 ug/ml
13) T n-Docosane (C22)	13.555	2305852	18.159 ug/ml
14) T n-Tetracosane (C24)	14.652	2230693	17.612 ug/ml
15) T n-Hexacosane (C26)	15.668	2141839	17.273 ug/ml
16) T n-Octacosane (C28)	16.613	2097536	17.500 ug/ml
17) T n-Tricontane (C30)	17.496	2021570	17.848 ug/ml
18) T n-Dotriacontane (C32)	18.325	1921821	18.873 ug/ml
19) T n-Tetratriacontane (C34)	19.105	1812619	20.315 ug/ml
20) T n-Hexatriacontane (C36)	19.841	1676746	22.087 ug/mlm
21) T n-Octatriacontane (C38)	20.543	1619904	24.531 ug/mlm
22) T n-Tetracontane (C40)	21.358	1584165	25.899 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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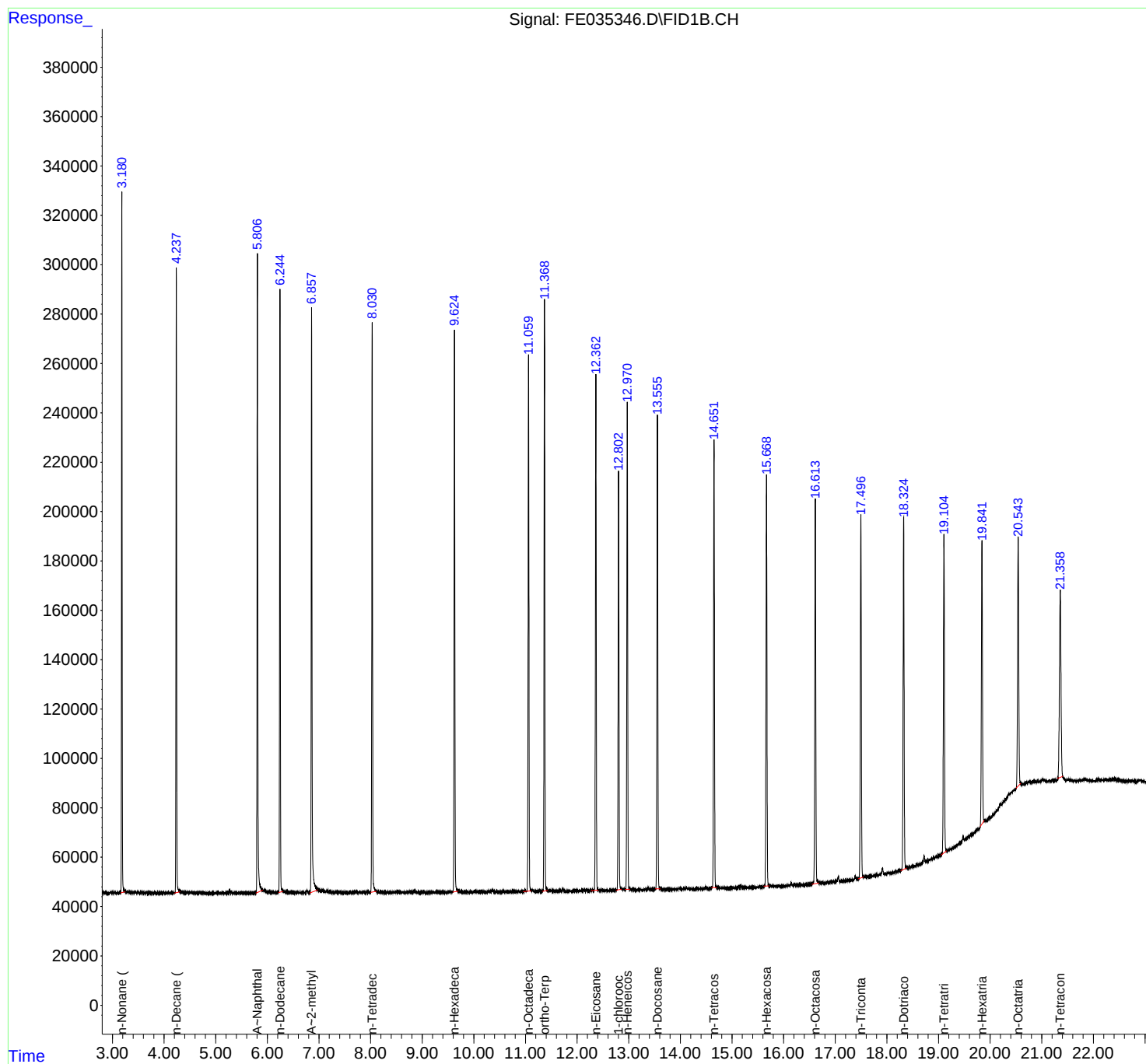
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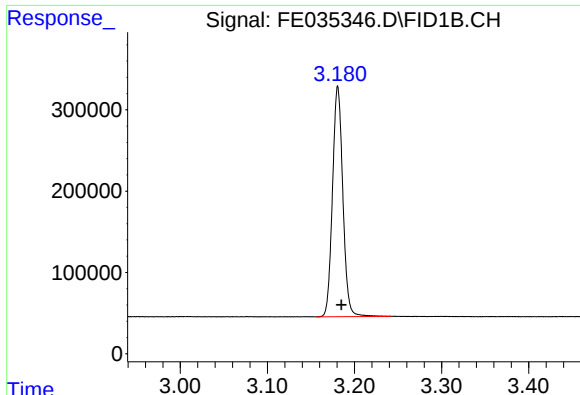
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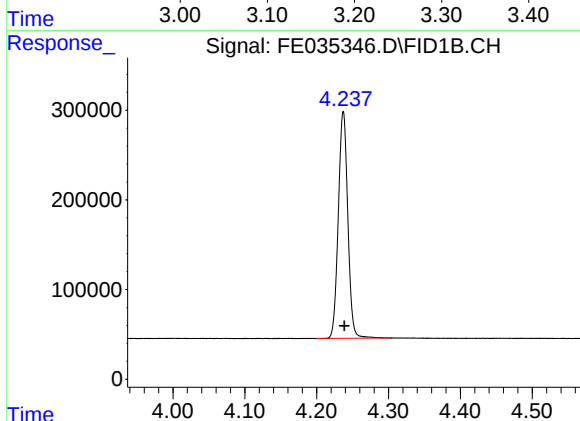
#1 n-Nonane (C9)

R.T.: 3.181 min
Delta R.T.: -0.004 min
Response: 2339001
Conc: 20.37 ug/ml

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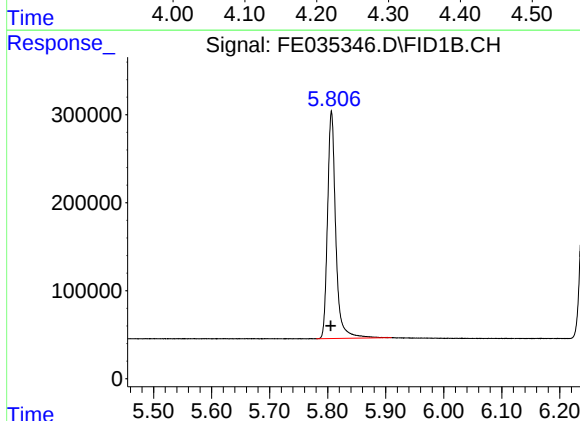
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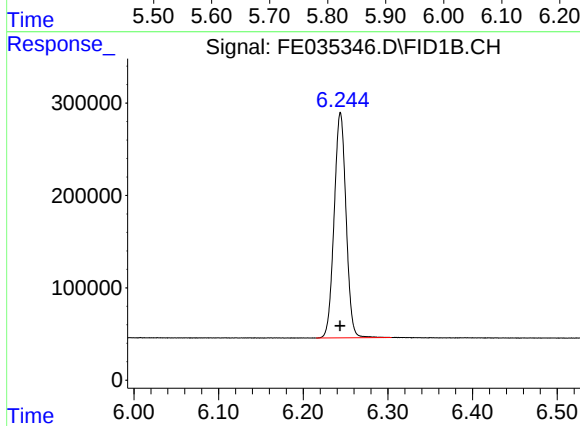
#2 n-Decane (C10)

R.T.: 4.237 min
Delta R.T.: -0.002 min
Response: 2319056
Conc: 20.36 ug/ml



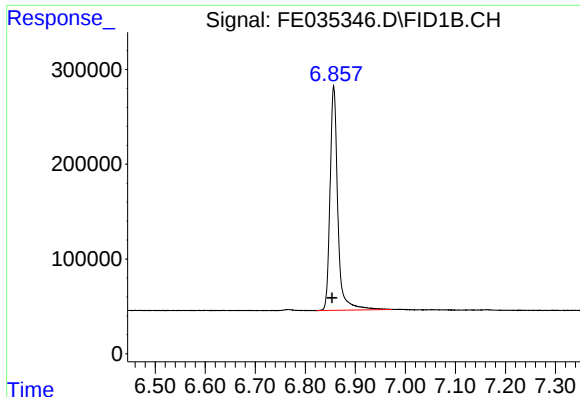
#3 A~Naphthalene (C11.7)

R.T.: 5.807 min
Delta R.T.: 0.001 min
Response: 2546173
Conc: 20.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 2386491
Conc: 20.30 ug/ml



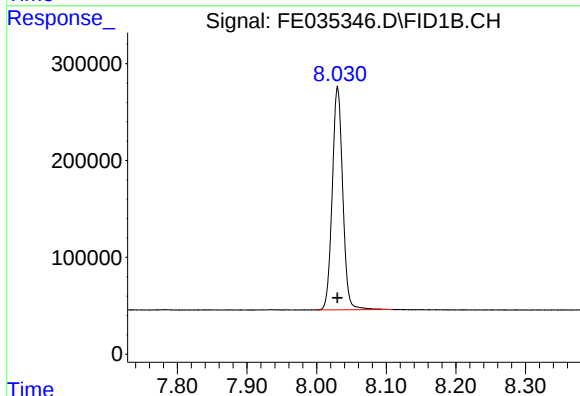
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.857 min
Delta R.T.: 0.003 min
Response: 2558343
Conc: 20.03 ug/ml

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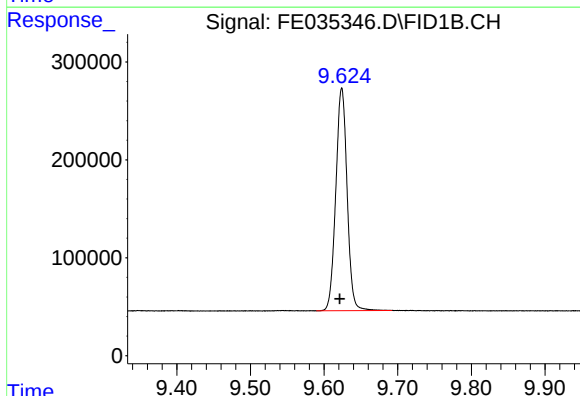
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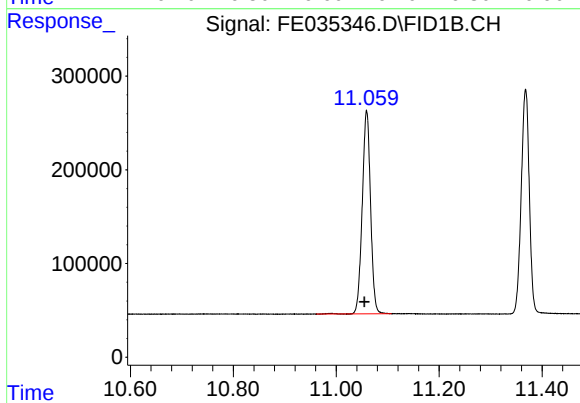
#6 n-Tetradecane (C14)

R.T.: 8.030 min
Delta R.T.: 0.000 min
Response: 2408887
Conc: 20.18 ug/ml



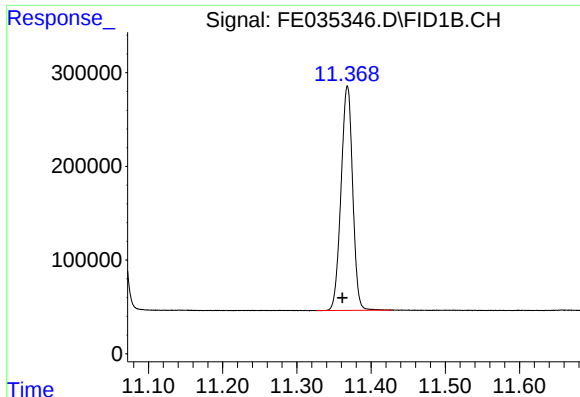
#7 n-Hexadecane (C16)

R.T.: 9.624 min
Delta R.T.: 0.003 min
Response: 2426652
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.059 min
Delta R.T.: 0.004 min
Response: 2434600
Conc: 19.42 ug/ml



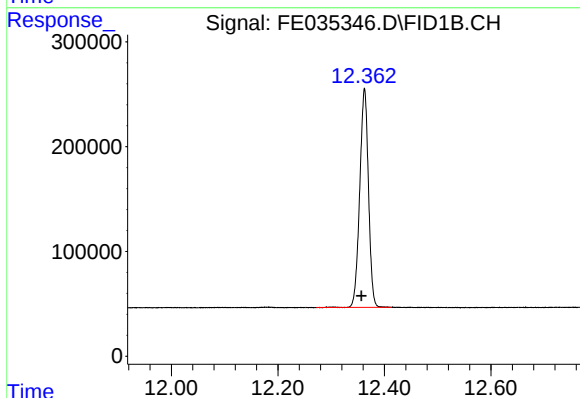
#9 ortho-Terphenyl (SURR)

R.T.: 11.368 min
Delta R.T.: 0.007 min
Response: 2610345
Conc: 18.85 ug/ml

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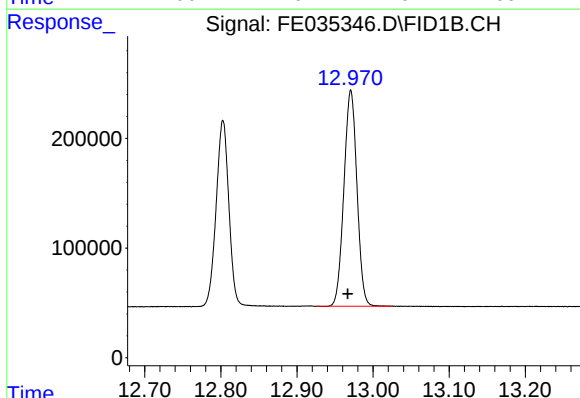
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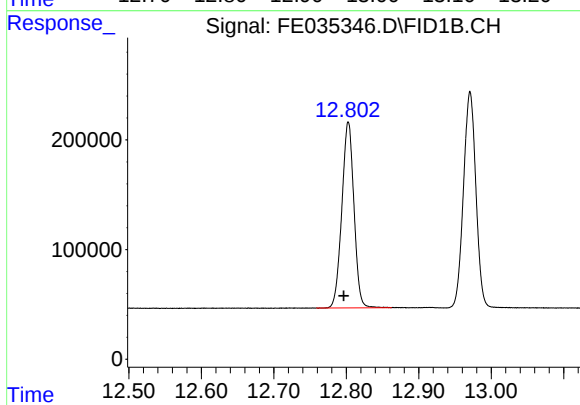
#10 n-Eicosane (C20)

R.T.: 12.363 min
Delta R.T.: 0.006 min
Response: 2372533
Conc: 18.76 ug/ml



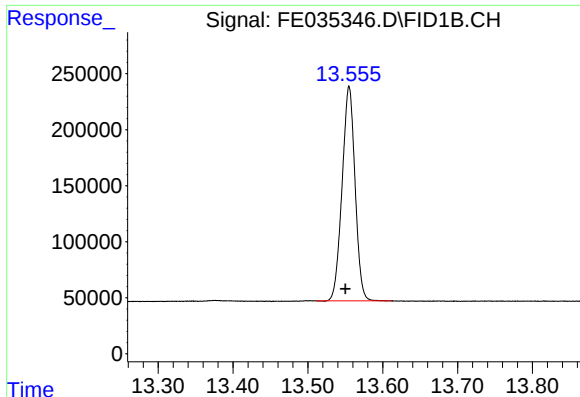
#11 n-Heneicosane (C21)

R.T.: 12.971 min
Delta R.T.: 0.004 min
Response: 2343037
Conc: 18.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.803 min
Delta R.T.: 0.006 min
Response: 1970015
Conc: 18.19 ug/ml



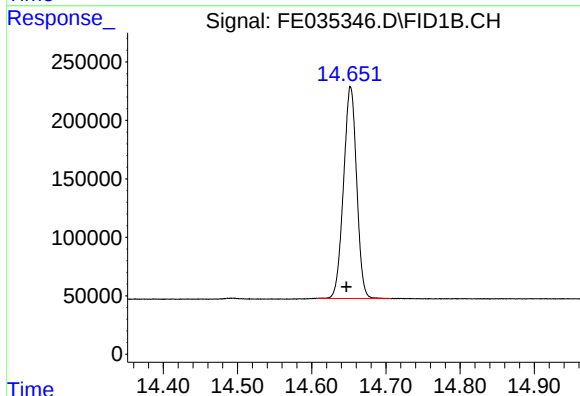
#13 n-Docosane (C22)

R.T.: 13.555 min
Delta R.T.: 0.005 min
Response: 2305852
Conc: 18.16 ug/ml

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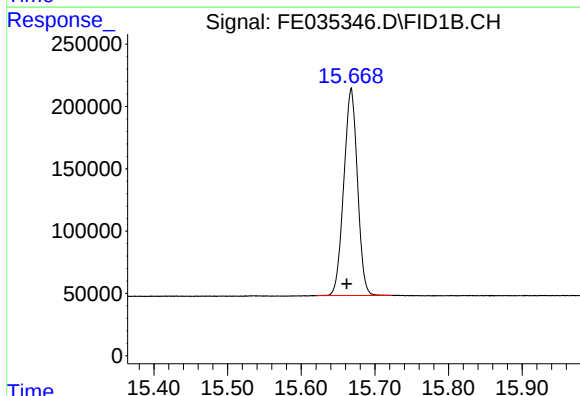
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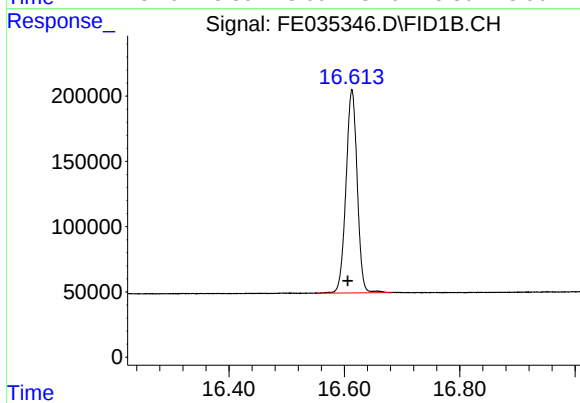
#14 n-Tetracosane (C24)

R.T.: 14.652 min
Delta R.T.: 0.006 min
Response: 2230693
Conc: 17.61 ug/ml



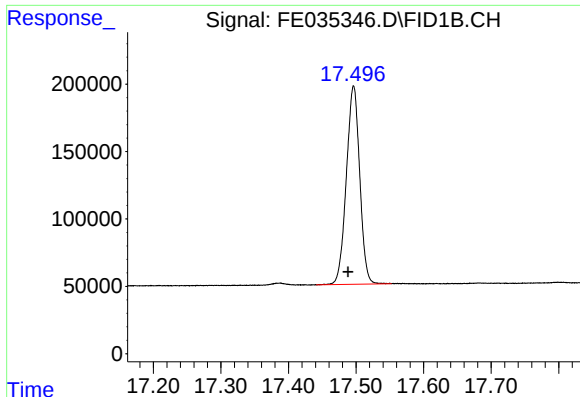
#15 n-Hexacosane (C26)

R.T.: 15.668 min
Delta R.T.: 0.006 min
Response: 2141839
Conc: 17.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.613 min
Delta R.T.: 0.007 min
Response: 2097536
Conc: 17.50 ug/ml



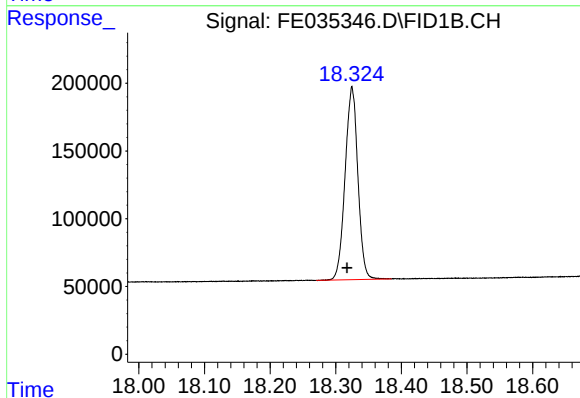
#17 n-Tricontane (C30)

R.T.: 17.496 min
Delta R.T.: 0.008 min
Response: 2021570
Conc: 17.85 ug/ml

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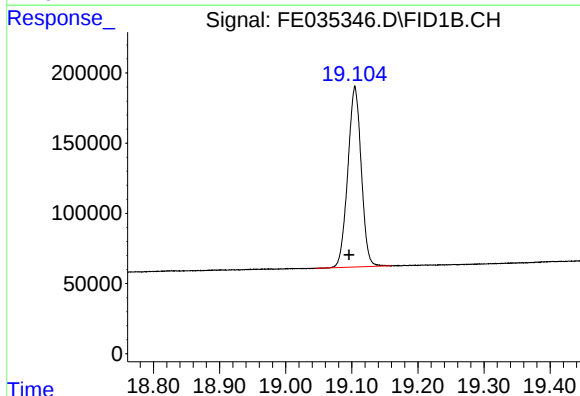
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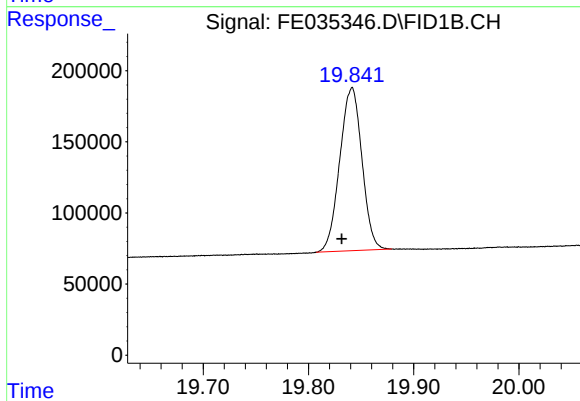
#18 n-Dotriacontane (C32)

R.T.: 18.325 min
Delta R.T.: 0.007 min
Response: 1921821
Conc: 18.87 ug/ml



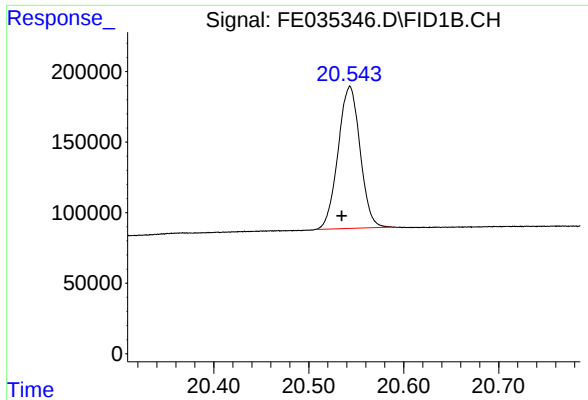
#19 n-Tetratriacontane (C34)

R.T.: 19.105 min
Delta R.T.: 0.009 min
Response: 1812619
Conc: 20.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.841 min
Delta R.T.: 0.010 min
Response: 1676746
Conc: 22.09 ug/ml m



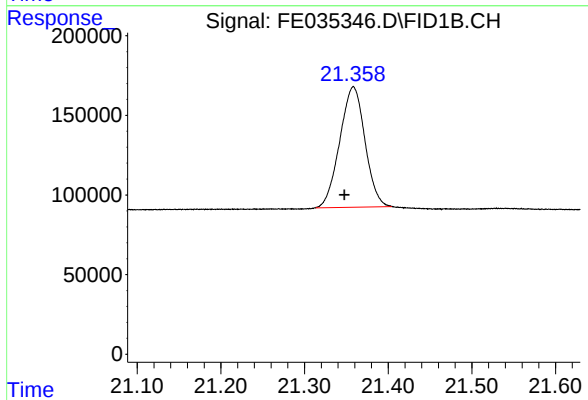
#21 n-Octatriacontane (C38)

R.T.: 20.543 min
Delta R.T.: 0.008 min
Response: 1619904
Conc: 24.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.358 min
Delta R.T.: 0.010 min
Response: 1584165
Conc: 25.90 ug/ml m