

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082624AL\
 Data File : FE049768.D
 Signal(s) : FID1B.ch
 Acq On : 26 Aug 2024 20:47
 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 08/27/2024
 Supervised By :Ankita Jodhani 08/27/2024

Integration File: autoint1.e
 Quant Time: Aug 27 01:22:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 Qlast Update : Wed Aug 14 11:05:17 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)	11.887	3030609	18.741 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	13.322	2324478	19.052 ug/ml
Spiked Amount 50.000		Recovery =	38.10%
Target Compounds			
1) T n-Nonane (C9)	3.274	2812515	18.174 ug/ml
2) T n-Decane (C10)	4.525	2902191	18.381 ug/ml
3) T A~Naphthalene (C11.7)	6.233	2993774	18.658 ug/ml
4) T n-Dodecane (C12)	6.692	2921382	18.583 ug/ml
5) T A~2-methylnaphthalene...	7.329	2824984	18.864 ug/ml
6) T n-Tetradecane (C14)	8.520	2879570	18.652 ug/ml
7) T n-Hexadecane (C16)	10.126	2933189	18.781 ug/ml
8) T n-Octadecane (C18)	11.568	2944961	18.751 ug/ml
10) T n-Eicosane (C20)	12.876	2813587	18.844 ug/ml
11) T n-Heneicosane (C21)	13.488	2761549	18.825 ug/ml
13) T n-Docosane (C22)	14.073	2734881	18.764 ug/ml
14) T n-Tetracosane (C24)	15.175	2746500	18.881 ug/ml
15) T n-Hexacosane (C26)	16.194	2713297	18.800 ug/ml
16) T n-Octacosane (C28)	17.145	2774956	19.265 ug/mlm
17) T n-Tricontane (C30)	18.031	3035017	20.273 ug/ml
18) T n-Dotriacontane (C32)	18.862	3099328	20.487 ug/ml
19) T n-Tetratriacontane (C34)	19.646	3109010	20.336 ug/ml
20) T n-Hexatriacontane (C36)	20.385	3103296	20.436 ug/ml
21) T n-Octatriacontane (C38)	21.114	3228772	20.572 ug/mlm
22) T n-Tetracontane (C40)	22.008	2739374	17.942 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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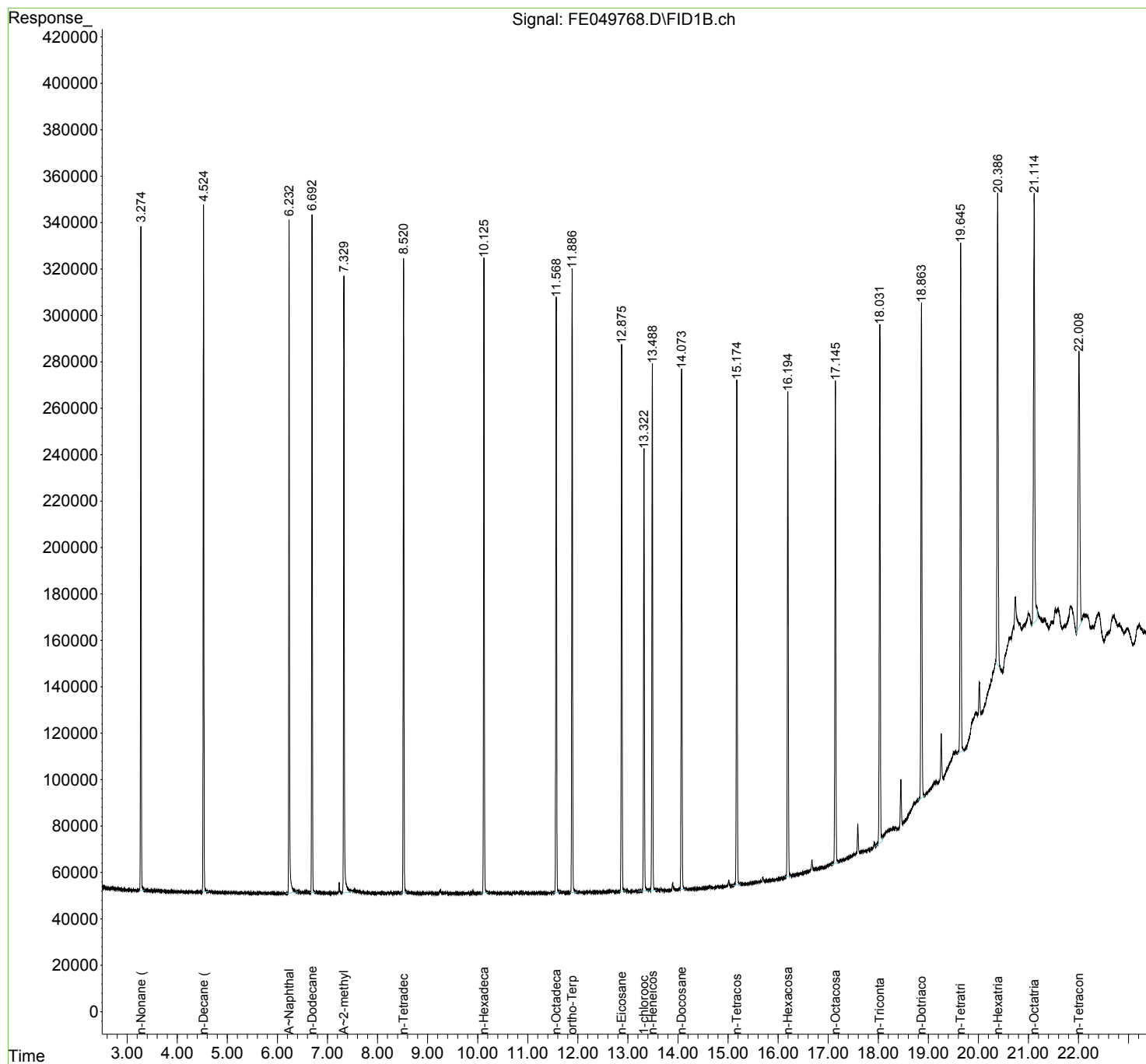
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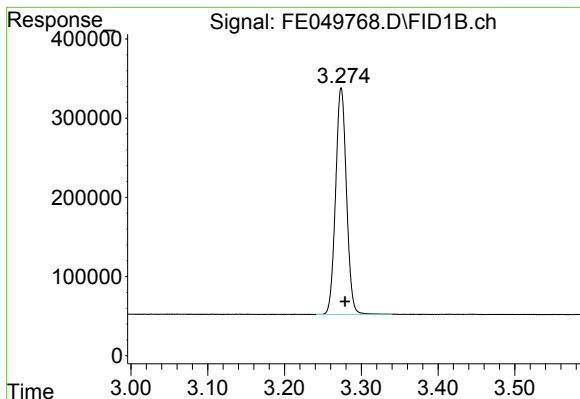
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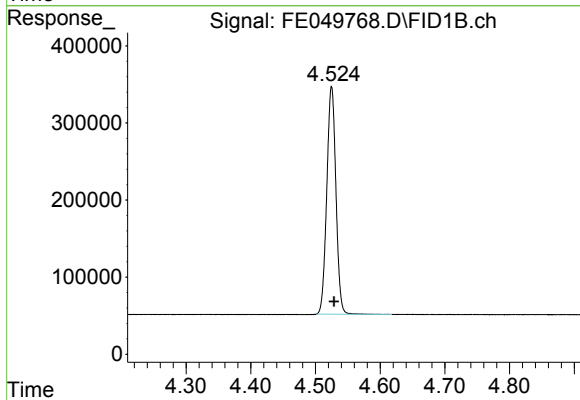
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: -0.005 min
Response: 2812515
Conc: 18.17 ug/ml

Instrument : FID_E
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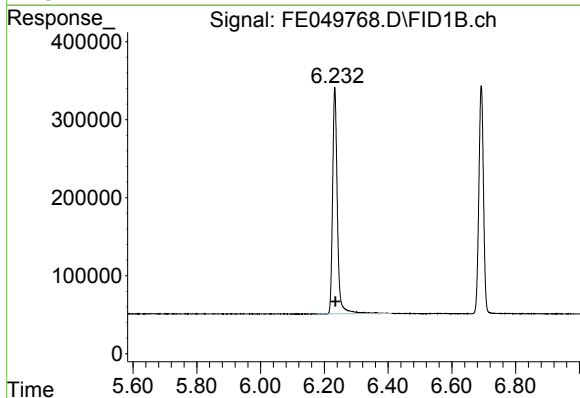
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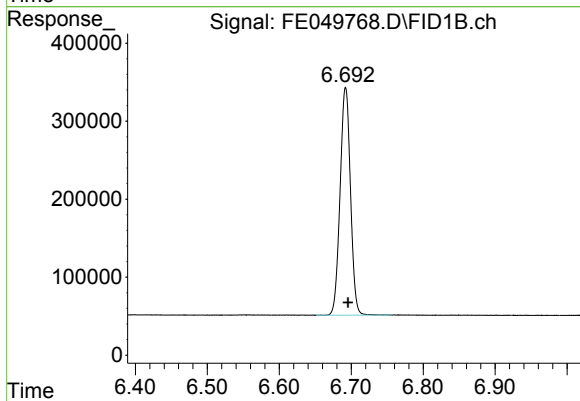
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: -0.004 min
Response: 2902191
Conc: 18.38 ug/ml



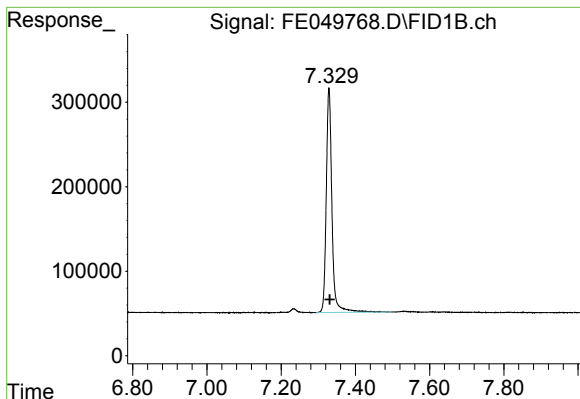
#3 A~Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.002 min
Response: 2993774
Conc: 18.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.692 min
Delta R.T.: -0.004 min
Response: 2921382
Conc: 18.58 ug/ml



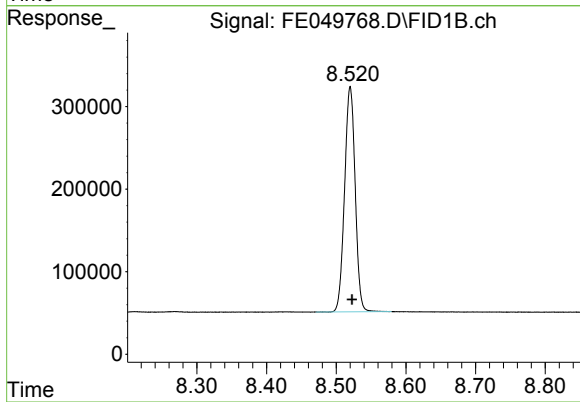
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.329 min
Delta R.T.: -0.002 min
Response: 2824984
Conc: 18.86 ug/ml

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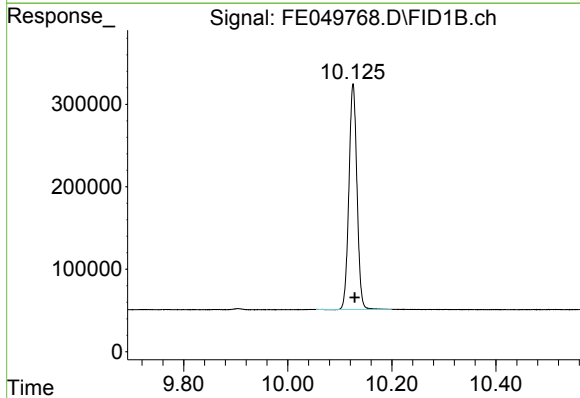
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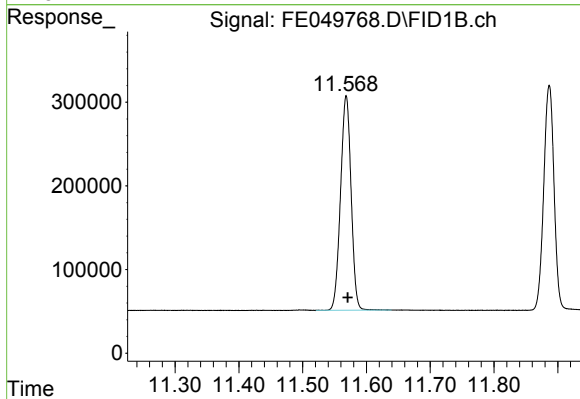
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: -0.002 min
Response: 2879570
Conc: 18.65 ug/ml



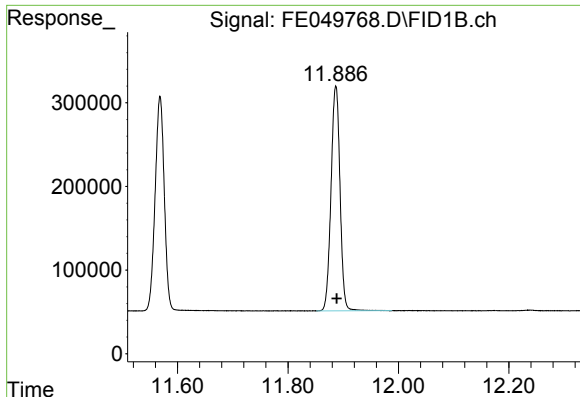
#7 n-Hexadecane (C16)

R.T.: 10.126 min
Delta R.T.: -0.003 min
Response: 2933189
Conc: 18.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.568 min
Delta R.T.: -0.002 min
Response: 2944961
Conc: 18.75 ug/ml



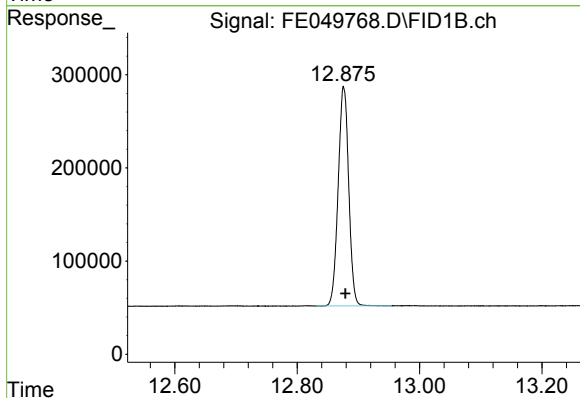
#9 ortho-Terphenyl (SURR)

R.T.: 11.887 min
Delta R.T.: -0.002 min
Response: 3030609
Conc: 18.74 ug/ml

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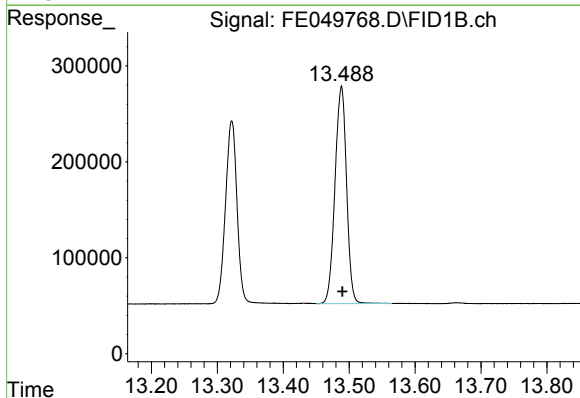
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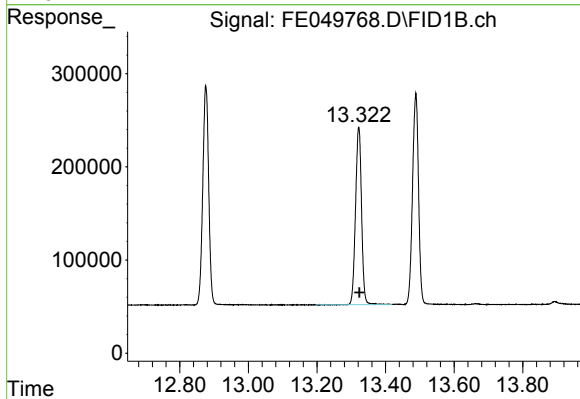
#10 n-Eicosane (C20)

R.T.: 12.876 min
Delta R.T.: -0.002 min
Response: 2813587
Conc: 18.84 ug/ml



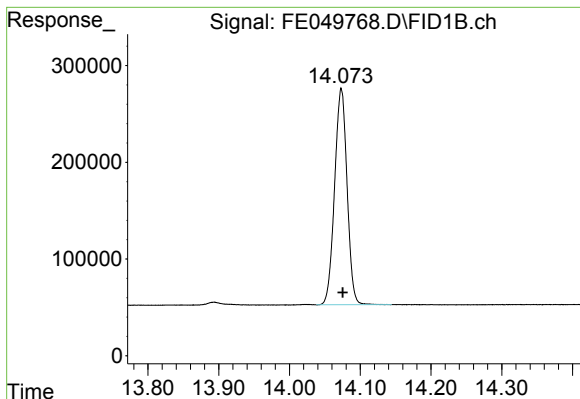
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.002 min
Response: 2761549
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.322 min
Delta R.T.: -0.002 min
Response: 2324478
Conc: 19.05 ug/ml



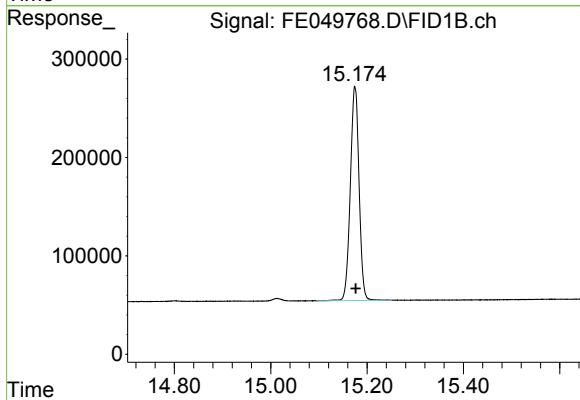
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.002 min
Response: 2734881
Conc: 18.76 ug/ml

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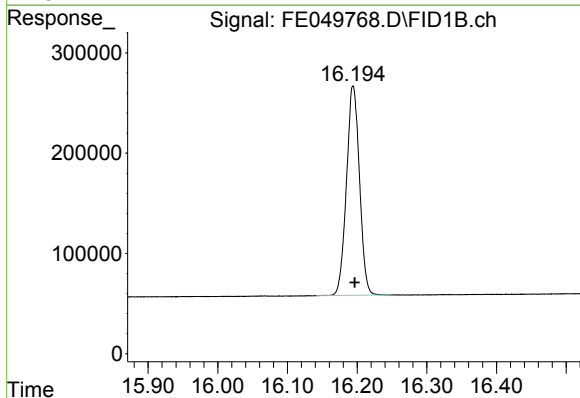
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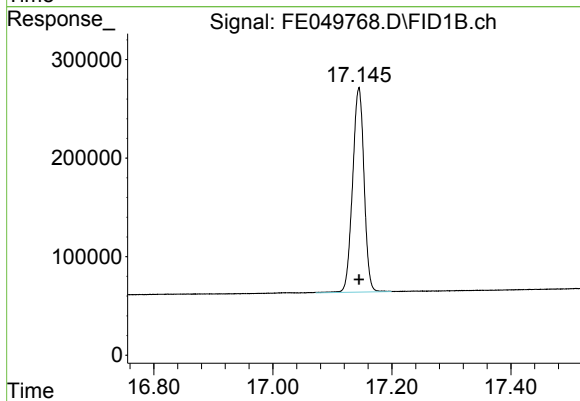
#14 n-Tetracosane (C24)

R.T.: 15.175 min
Delta R.T.: -0.002 min
Response: 2746500
Conc: 18.88 ug/ml



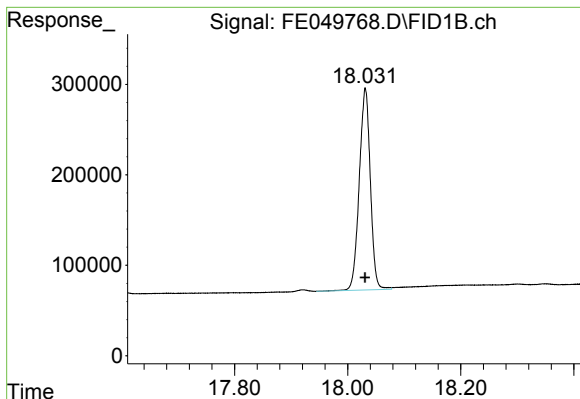
#15 n-Hexacosane (C26)

R.T.: 16.194 min
Delta R.T.: -0.002 min
Response: 2713297
Conc: 18.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.145 min
Delta R.T.: 0.000 min
Response: 2774956
Conc: 19.27 ug/ml m



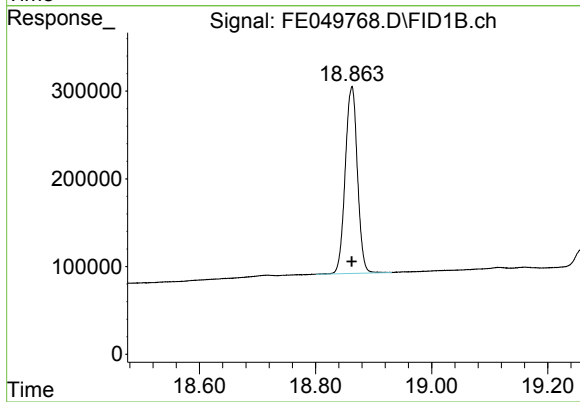
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: 0.000 min
Response: 3035017
Conc: 20.27 ug/ml

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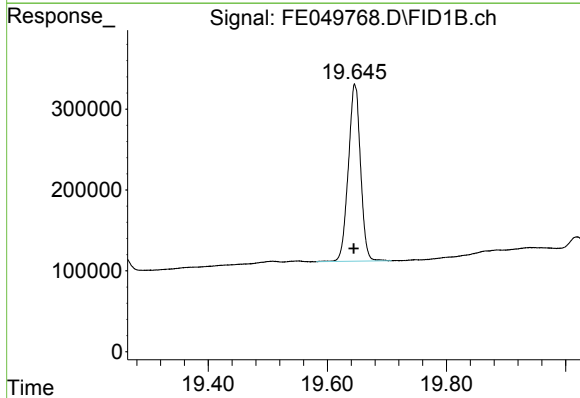
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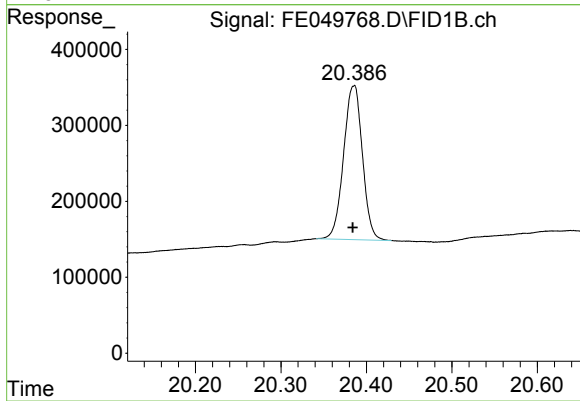
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: 0.000 min
Response: 3099328
Conc: 20.49 ug/ml



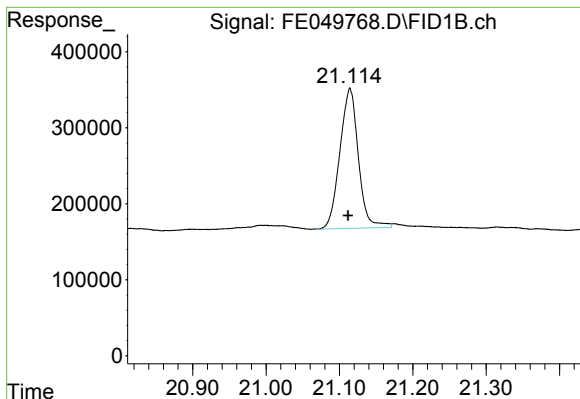
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: 0.002 min
Response: 3109010
Conc: 20.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.385 min
Delta R.T.: 0.001 min
Response: 3103296
Conc: 20.44 ug/ml



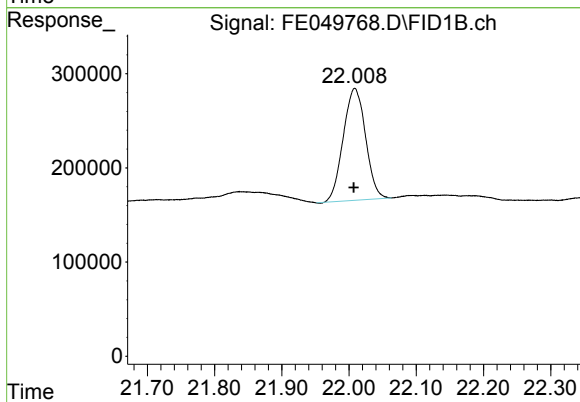
#21 n-Octatriacontane (C38)

R.T.: 21.114 min
Delta R.T.: 0.002 min
Response: 3228772
Conc: 20.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.001 min
Response: 2739374
Conc: 17.94 ug/ml