

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC073024AL\
 Data File : FC066838.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jul 2024 13:34
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/31/2024
 Supervised By :Ankita Jodhani 07/31/2024

Integration File: autoint1.e
 Quant Time: Jul 31 03:26:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:58:41 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)	11.525	2807517	18.236 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
12) S 1-chlorooctadecane (S...	12.964	2117545	18.938 ug/ml
Spiked Amount 50.000		Recovery =	37.88%
Target Compounds			
1) T n-Nonane (C9)	3.287	2468961	17.400 ug/ml
2) T n-Decane (C10)	4.354	2630949	17.797 ug/ml
3) T A~Naphthalene (C11.7)	5.937	2825096	17.691 ug/ml
4) T n-Dodecane (C12)	6.373	2649934	17.676 ug/ml
5) T A~2-methylnaphthalene...	6.994	2710668	17.682 ug/ml
6) T n-Tetradecane (C14)	8.168	2627401	17.958 ug/ml
7) T n-Hexadecane (C16)	9.769	2722081	18.188 ug/ml
8) T n-Octadecane (C18)	11.211	2720102	18.330 ug/ml
10) T n-Eicosane (C20)	12.520	2582240	18.526 ug/ml
11) T n-Heneicosane (C21)	13.132	2511130	18.436 ug/ml
13) T n-Docosane (C22)	13.718	2508381	18.675 ug/ml
14) T n-Tetracosane (C24)	14.821	2527000	18.998 ug/ml
15) T n-Hexacosane (C26)	15.841	2518130	19.353 ug/ml
16) T n-Octacosane (C28)	16.791	2647728	20.988 ug/ml
17) T n-Tricontane (C30)	17.679	2990135	23.252 ug/ml
18) T n-Dotriacontane (C32)	18.511	3100048	24.624 ug/ml
19) T n-Tetratriacontane (C34)	19.295	2836363	22.927 ug/mlm
20) T n-Hexatriacontane (C36)	20.035	2559009	21.999 ug/ml
21) T n-Octatriacontane (C38)	20.764	2440512	21.965 ug/ml
22) T n-Tetracontane (C40)	21.661	2183647	20.086 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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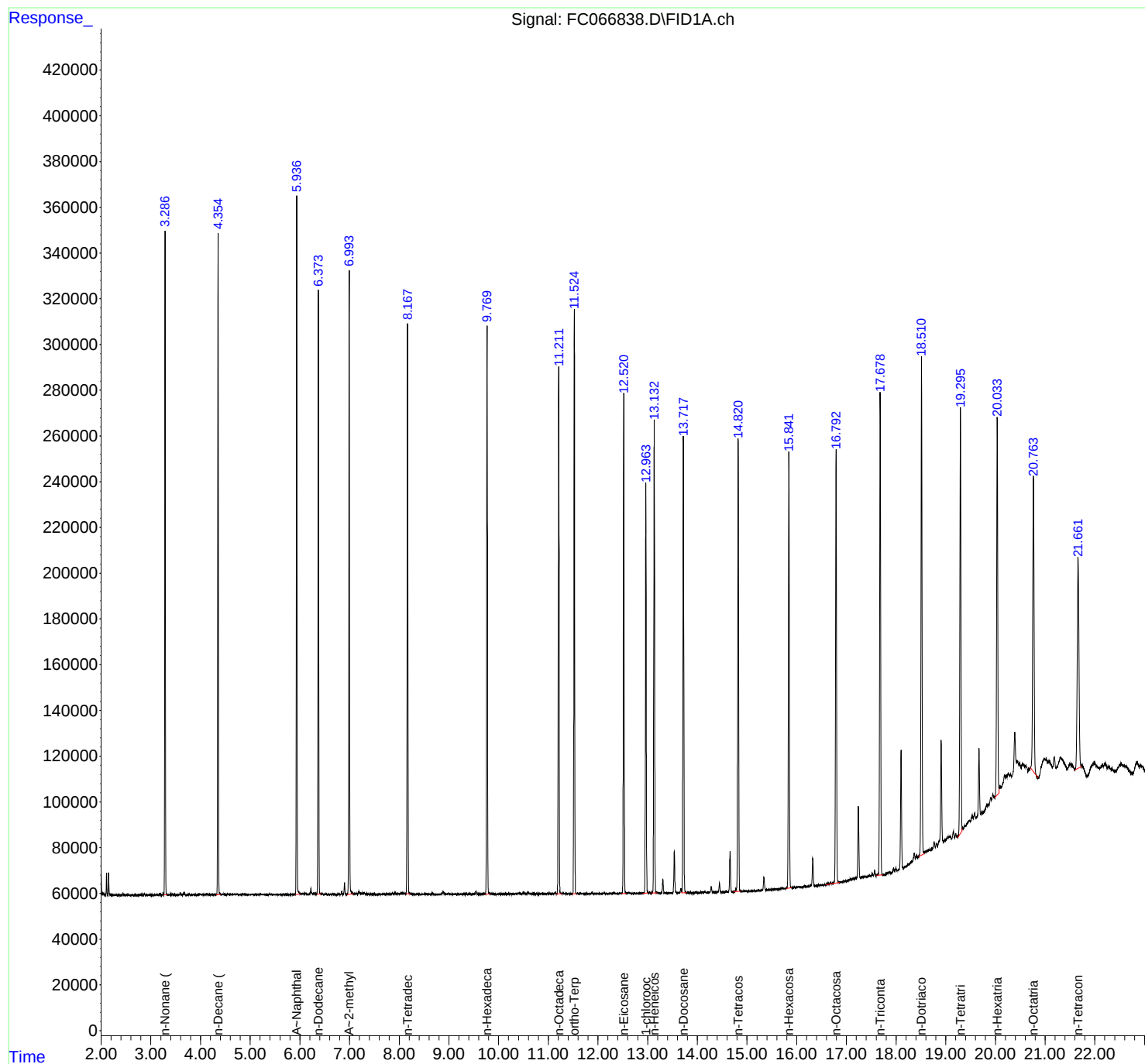
Instrument :
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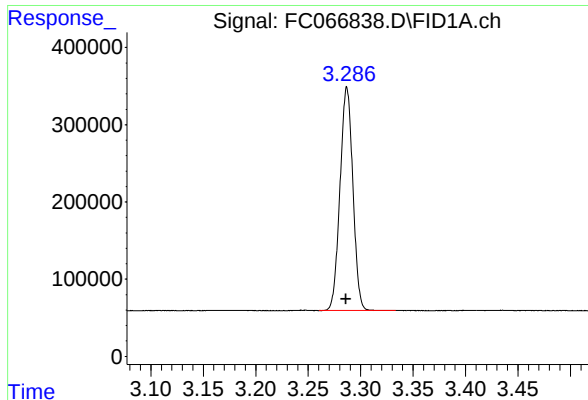
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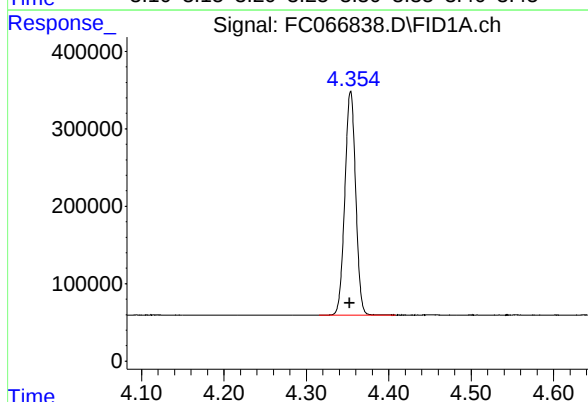
#1 n-Nonane (C9)

R.T.: 3.287 min
Delta R.T.: 0.000 min
Response: 2468961
Conc: 17.40 ug/ml

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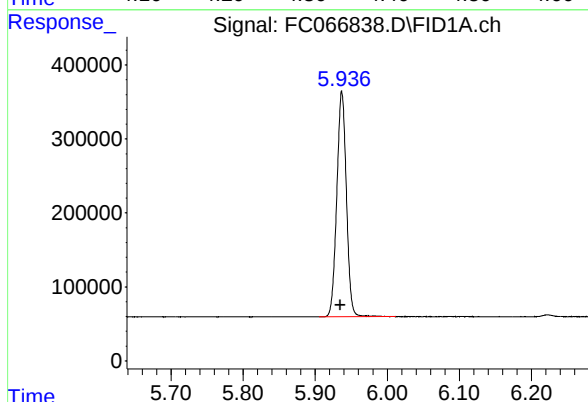
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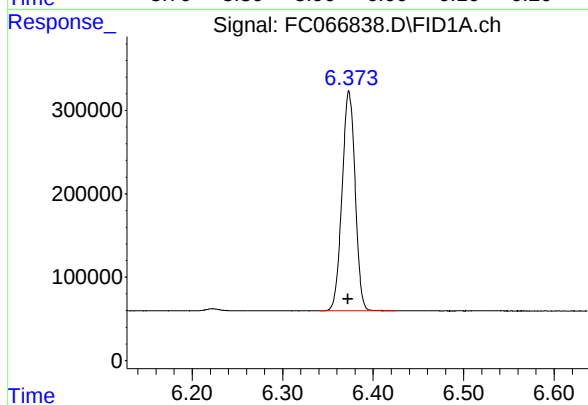
#2 n-Decane (C10)

R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 2630949
Conc: 17.80 ug/ml



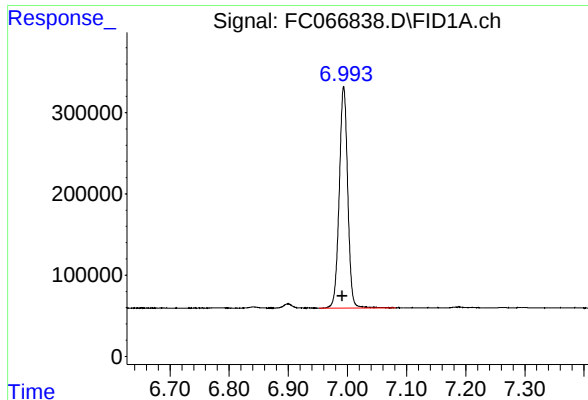
#3 A~Naphthalene (C11.7)

R.T.: 5.937 min
Delta R.T.: 0.002 min
Response: 2825096
Conc: 17.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.373 min
Delta R.T.: 0.001 min
Response: 2649934
Conc: 17.68 ug/ml



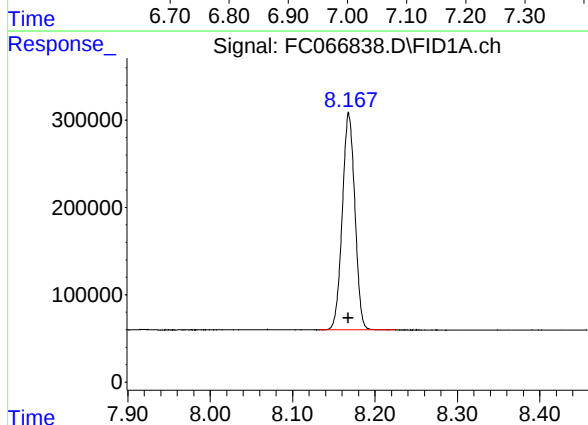
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.994 min
Delta R.T.: 0.002 min
Response: 2710668
Conc: 17.68 ug/ml

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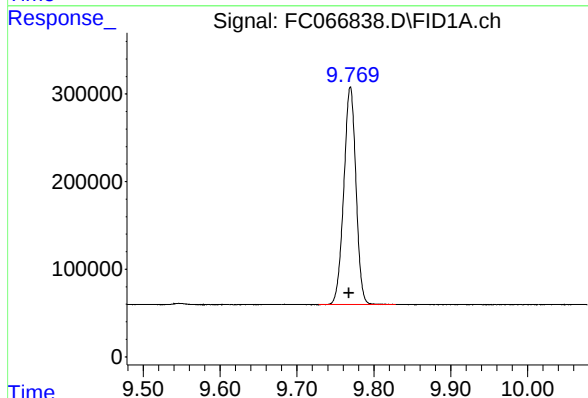
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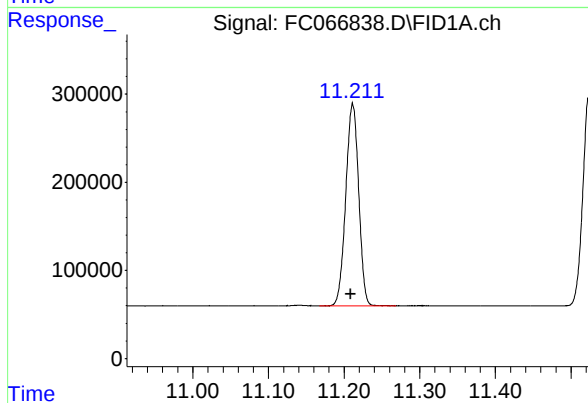
#6 n-Tetradecane (C14)

R.T.: 8.168 min
Delta R.T.: 0.000 min
Response: 2627401
Conc: 17.96 ug/ml



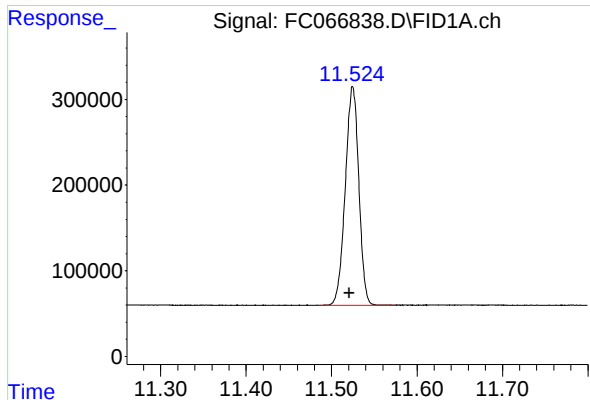
#7 n-Hexadecane (C16)

R.T.: 9.769 min
Delta R.T.: 0.002 min
Response: 2722081
Conc: 18.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.211 min
Delta R.T.: 0.003 min
Response: 2720102
Conc: 18.33 ug/ml



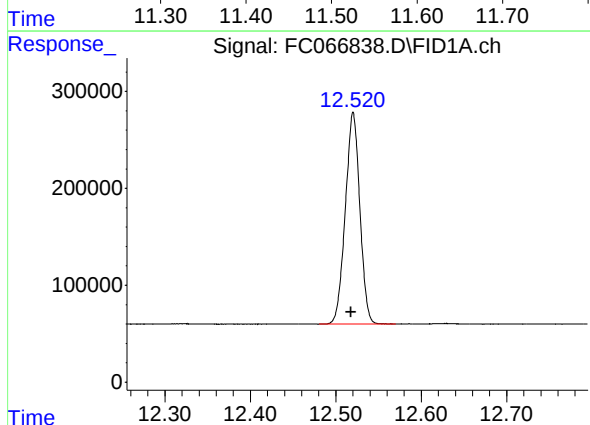
#9 ortho-Terphenyl (SURR)

R.T.: 11.525 min
Delta R.T.: 0.004 min
Response: 2807517
Conc: 18.24 ug/ml

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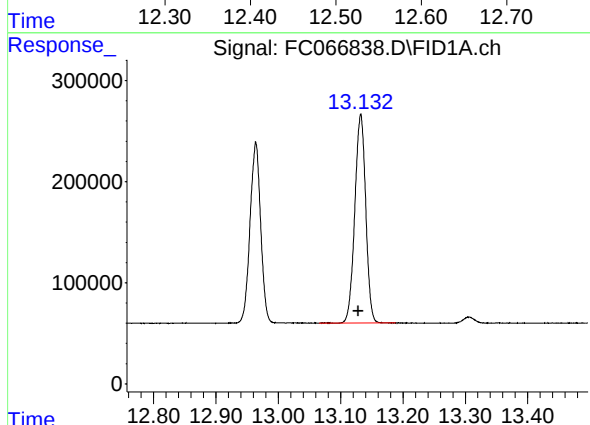
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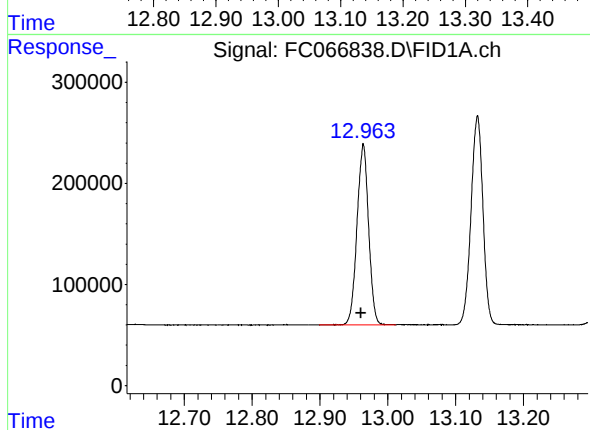
#10 n-Eicosane (C20)

R.T.: 12.520 min
Delta R.T.: 0.002 min
Response: 2582240
Conc: 18.53 ug/ml



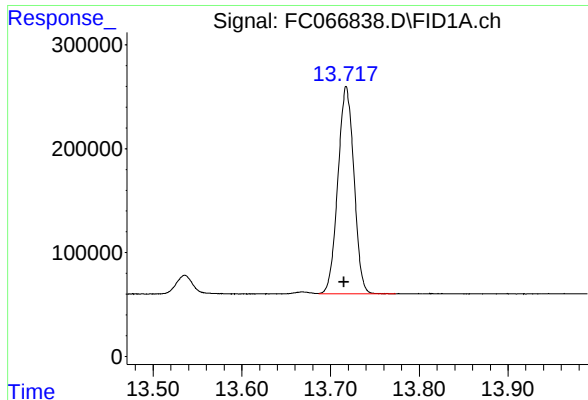
#11 n-Heneicosane (C21)

R.T.: 13.132 min
Delta R.T.: 0.004 min
Response: 2511130
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.964 min
Delta R.T.: 0.003 min
Response: 2117545
Conc: 18.94 ug/ml



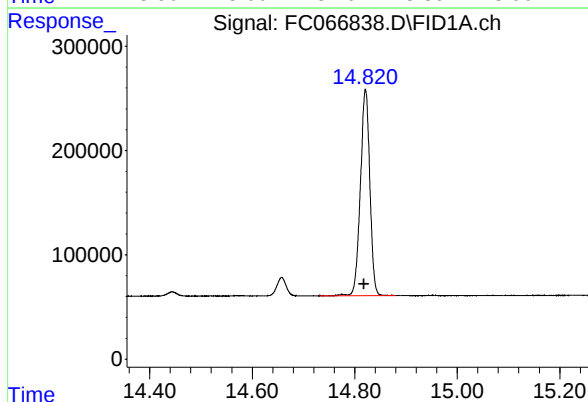
#13 n-Docosane (C22)

R.T.: 13.718 min
Delta R.T.: 0.003 min
Response: 2508381
Conc: 18.67 ug/ml

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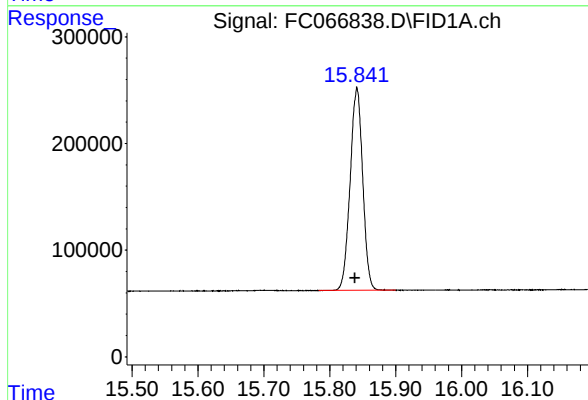
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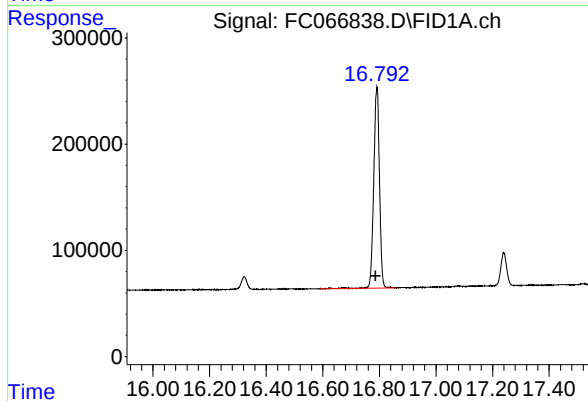
#14 n-Tetracosane (C24)

R.T.: 14.821 min
Delta R.T.: 0.003 min
Response: 2527000
Conc: 19.00 ug/ml



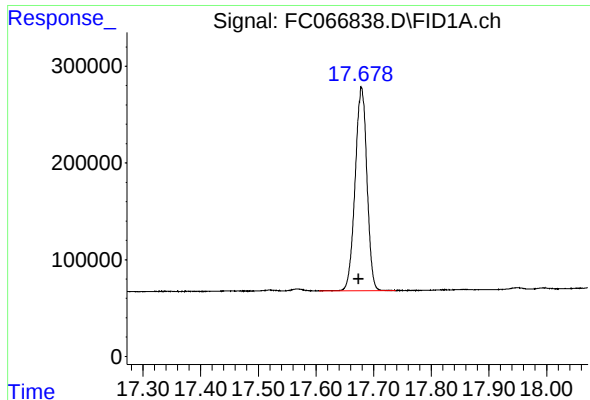
#15 n-Hexacosane (C26)

R.T.: 15.841 min
Delta R.T.: 0.003 min
Response: 2518130
Conc: 19.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.791 min
Delta R.T.: 0.004 min
Response: 2647728
Conc: 20.99 ug/ml



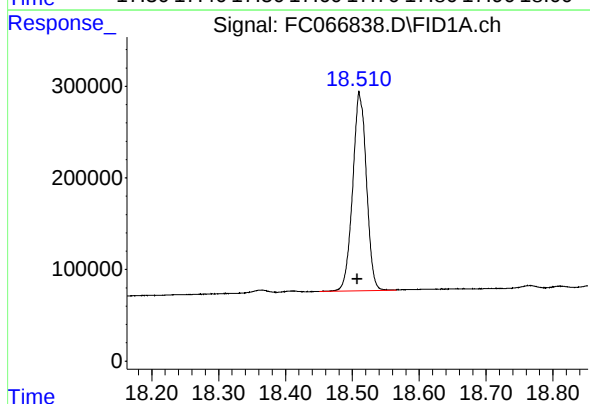
#17 n-Tricontane (C30)

R.T.: 17.679 min
Delta R.T.: 0.005 min
Response: 2990135
Conc: 23.25 ug/ml

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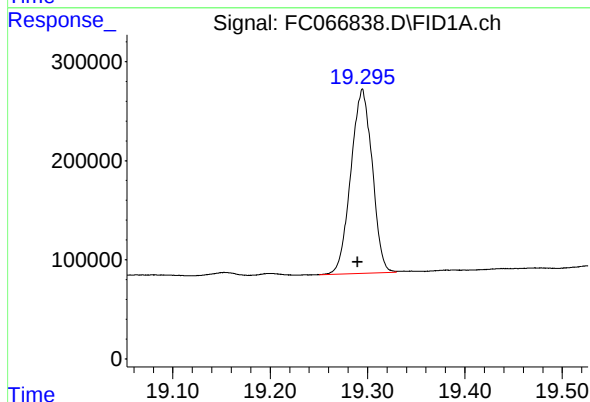
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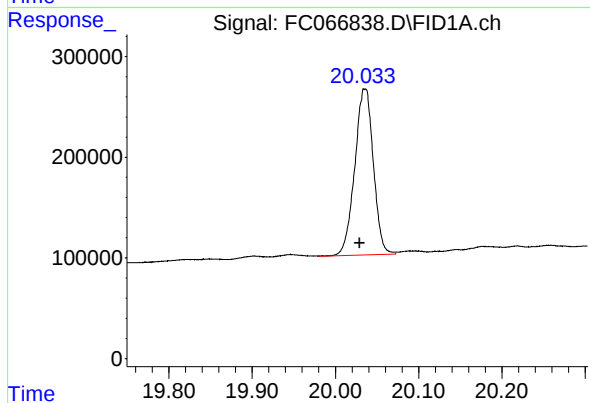
#18 n-Dotriacontane (C32)

R.T.: 18.511 min
Delta R.T.: 0.004 min
Response: 3100048
Conc: 24.62 ug/ml



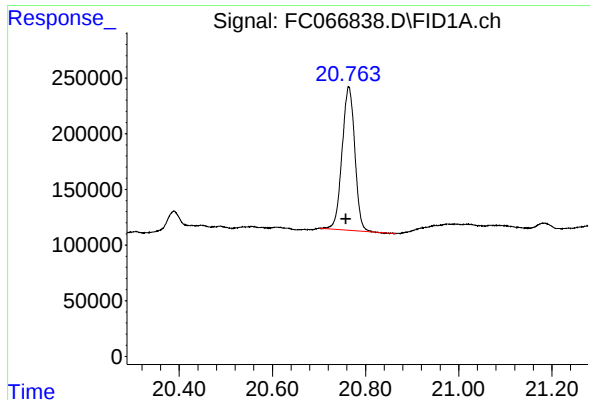
#19 n-Tetratriacontane (C34)

R.T.: 19.295 min
Delta R.T.: 0.005 min
Response: 2836363
Conc: 22.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.035 min
Delta R.T.: 0.006 min
Response: 2559009
Conc: 22.00 ug/ml



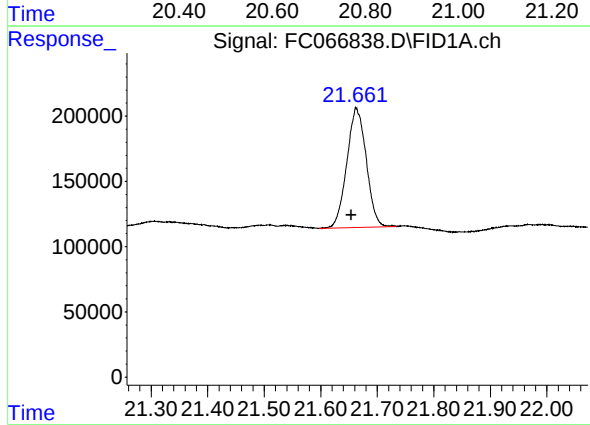
#21 n-Octatriacontane (C38)

R.T.: 20.764 min
Delta R.T.: 0.006 min
Response: 2440512
Conc: 21.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.661 min
Delta R.T.: 0.007 min
Response: 2183647
Conc: 20.09 ug/ml m