

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072321AL\
 Data File : FC054850.D
 Signal(s) : FID1A.CH
 Acq On : 24 Jul 2021 12:46
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 7/26/2021 11:56:24 AM

Integration File: autoint1.e
 Quant Time: Jul 26 01:03:28 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 072121.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 21 03:37:32 2021
 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)	11.311	2950961	21.215 ug/ml
Spiked Amount 50.000		Recovery =	42.43%
12) S 1-chlorooctadecane (S...	12.755	2318107	20.853 ug/ml
Spiked Amount 50.000		Recovery =	41.71%
Target Compounds			
1) T n-Nonane (C9)	3.130	2468082	21.510 ug/ml
2) T n-Decane (C10)	4.182	2519564	21.680 ug/ml
3) T A~Naphthalene (C11.7)	5.748	2668687	22.180 ug/ml
4) T n-Dodecane (C12)	6.188	2620280	21.923 ug/ml
5) T A~2-methylnaphthalene...	6.800	2728371	22.341 ug/ml
6) T n-Tetradecane (C14)	7.975	2704854	21.987 ug/ml
7) T n-Hexadecane (C16)	9.570	2745202	21.776 ug/ml
8) T n-Octadecane (C18)	11.008	2812618	21.458 ug/ml
10) T n-Eicosane (C20)	12.313	2766578	20.996 ug/ml
11) T n-Heneicosane (C21)	12.924	2774552	20.833 ug/ml
13) T n-Docosane (C22)	13.508	2716663	20.515 ug/ml
14) T n-Tetracosane (C24)	14.608	2675659	20.294 ug/ml
15) T n-Hexacosane (C26)	15.627	2543053	19.772 ug/ml
16) T n-Octacosane (C28)	16.576	2425462	18.416 ug/ml
17) T n-Tricontane (C30)	17.462	2346299	16.488 ug/ml
18) T n-Dotriacontane (C32)	18.293	2265384	18.306 ug/ml
19) T n-Tetratriacontane (C34)	19.077	2197856	21.465 ug/ml
20) T n-Hexatriacontane (C36)	19.817	2141915	22.616 ug/ml
21) T n-Octatriacontane (C38)	20.522	2150901	23.100 ug/mlm
22) T n-Tetracontane (C40)	21.336	2142372	22.073 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

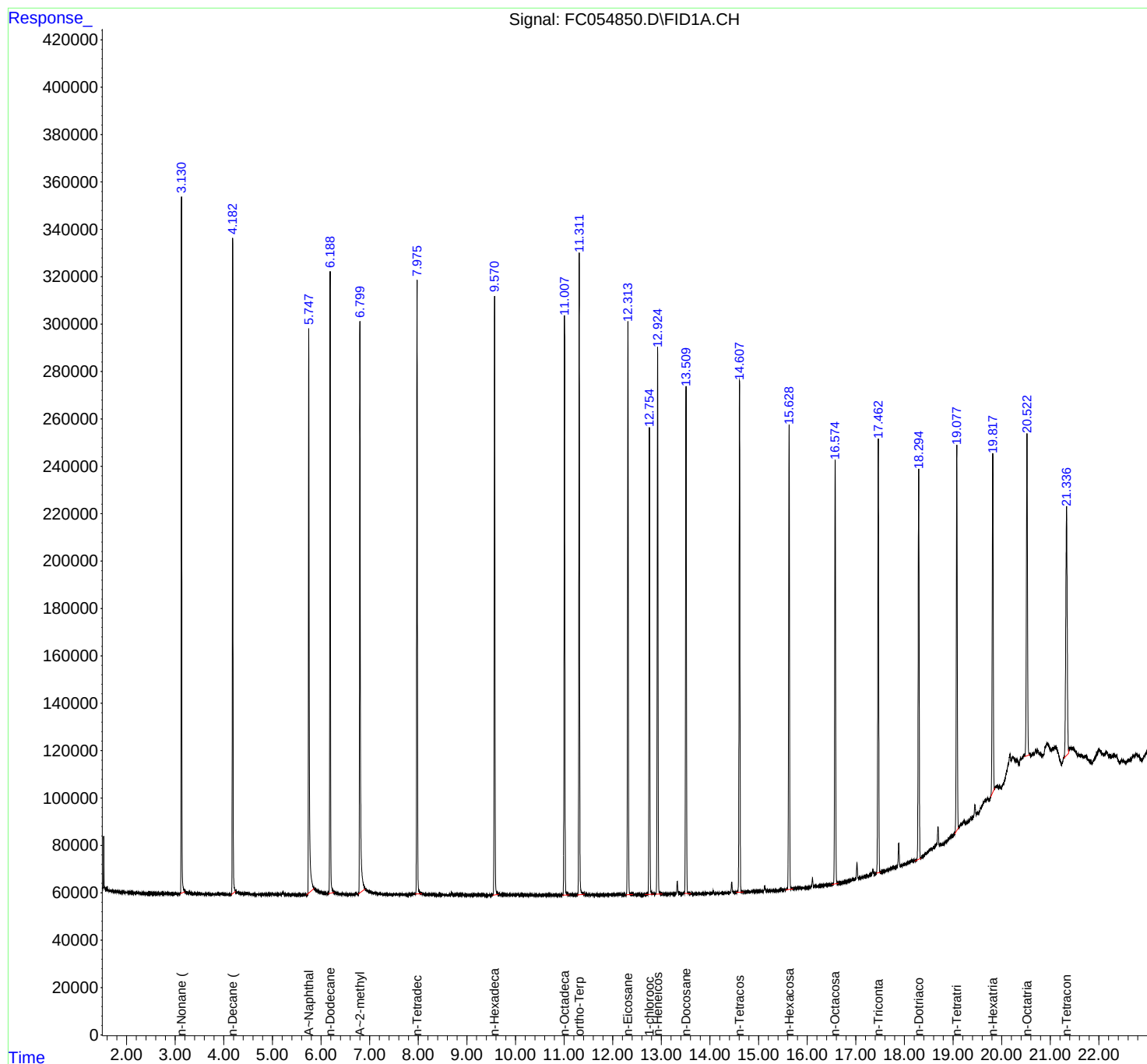
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

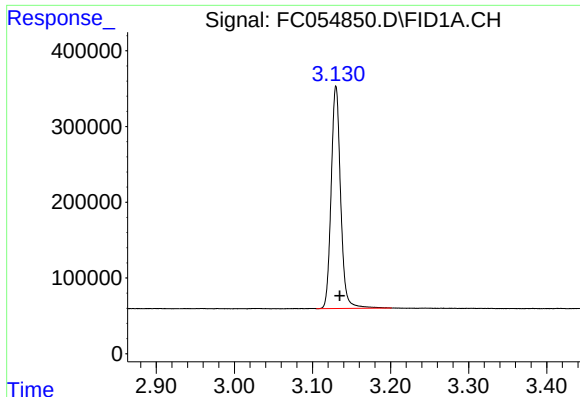
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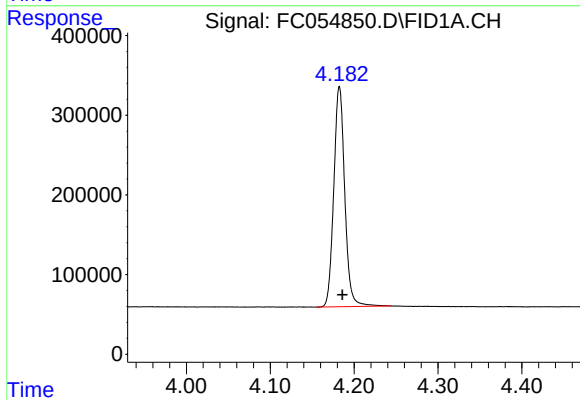
#1 n-Nonane (C9)

R.T.: 3.130 min
Delta R.T.: -0.005 min
Response: 2468082
Conc: 21.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

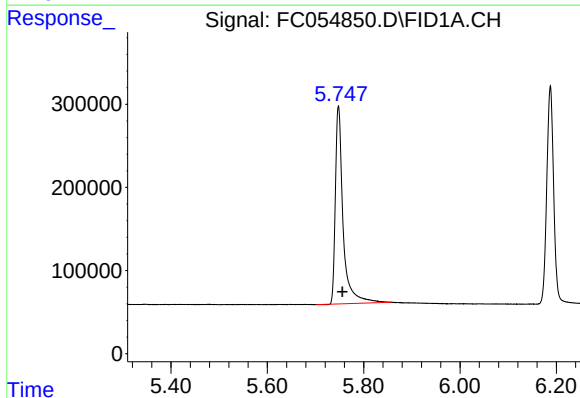
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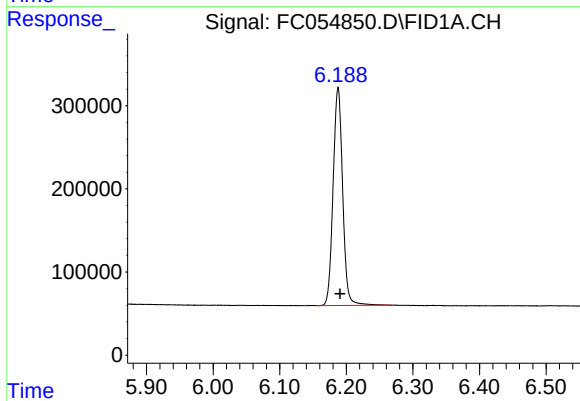
#2 n-Decane (C10)

R.T.: 4.182 min
Delta R.T.: -0.004 min
Response: 2519564
Conc: 21.68 ug/ml



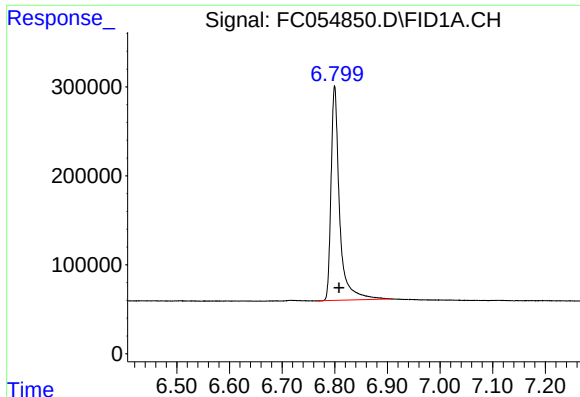
#3 A~Naphthalene (C11.7)

R.T.: 5.748 min
Delta R.T.: -0.008 min
Response: 2668687
Conc: 22.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.188 min
Delta R.T.: -0.003 min
Response: 2620280
Conc: 21.92 ug/ml



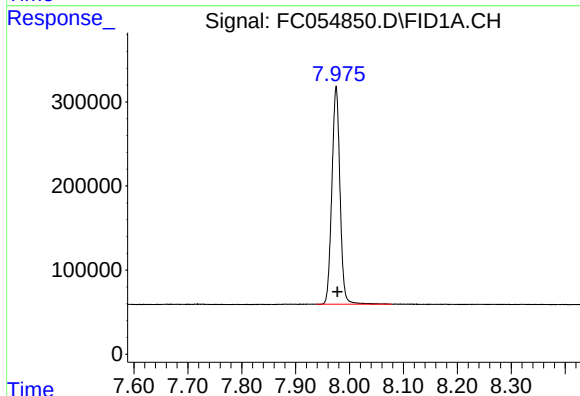
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.800 min
Delta R.T.: -0.008 min
Response: 2728371
Conc: 22.34 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

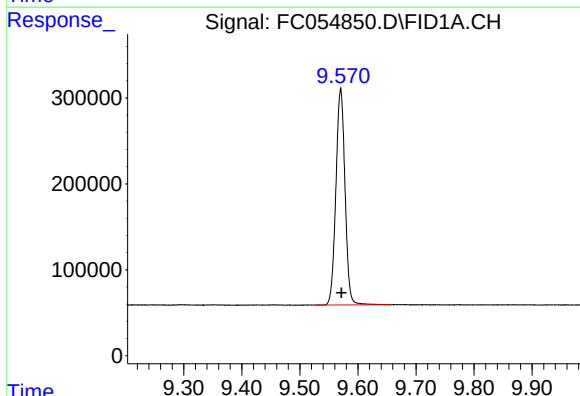
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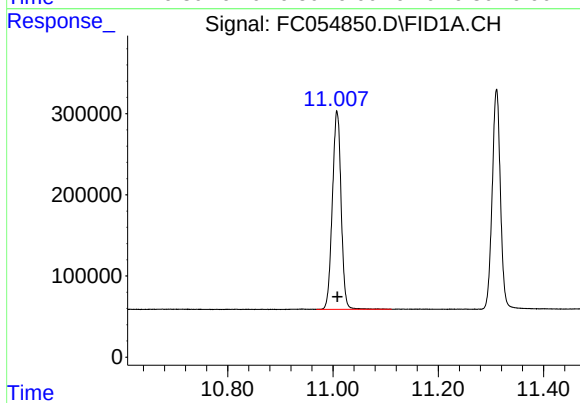
#6 n-Tetradecane (C14)

R.T.: 7.975 min
Delta R.T.: -0.003 min
Response: 2704854
Conc: 21.99 ug/ml



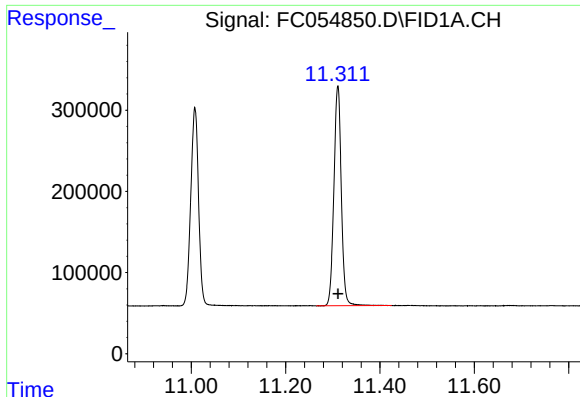
#7 n-Hexadecane (C16)

R.T.: 9.570 min
Delta R.T.: -0.002 min
Response: 2745202
Conc: 21.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.008 min
Delta R.T.: -0.001 min
Response: 2812618
Conc: 21.46 ug/ml



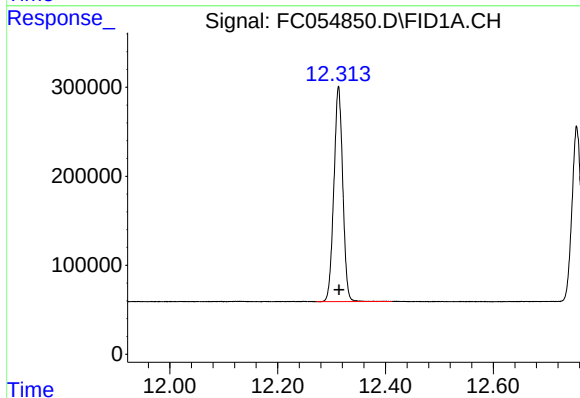
#9 ortho-Terphenyl (SURR)

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 2950961
Conc: 21.21 ug/ml

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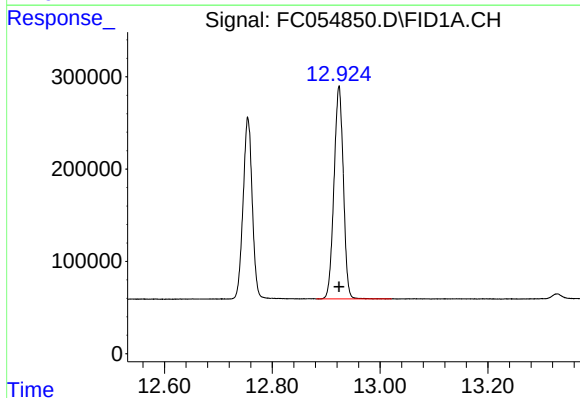
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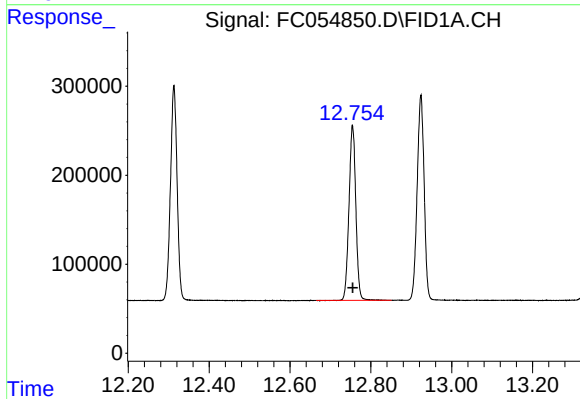
#10 n-Eicosane (C20)

R.T.: 12.313 min
Delta R.T.: 0.000 min
Response: 2766578
Conc: 21.00 ug/ml



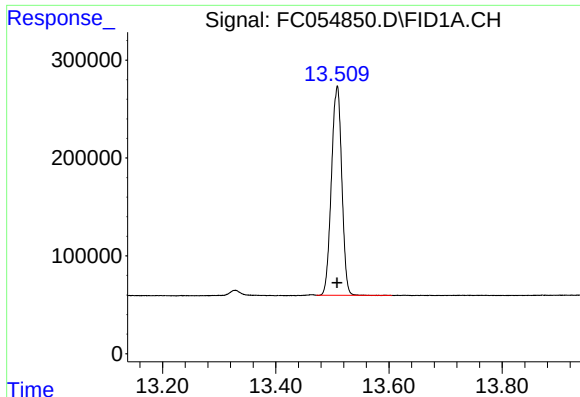
#11 n-Heneicosane (C21)

R.T.: 12.924 min
Delta R.T.: 0.000 min
Response: 2774552
Conc: 20.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.755 min
Delta R.T.: 0.000 min
Response: 2318107
Conc: 20.85 ug/ml



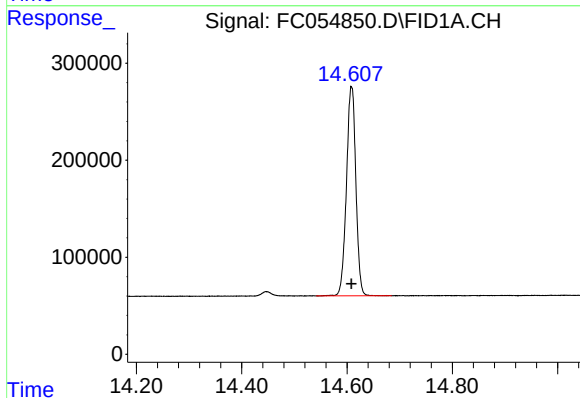
#13 n-Docosane (C22)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2716663
Conc: 20.51 ug/ml

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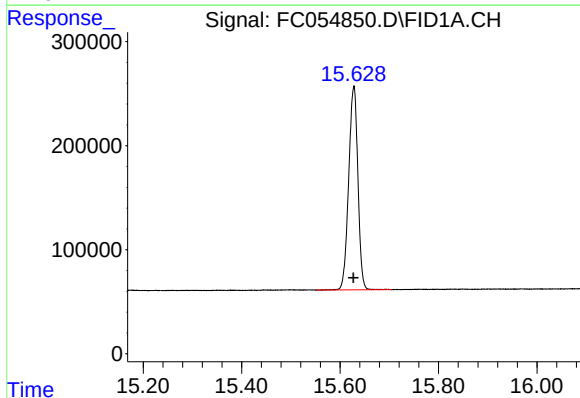
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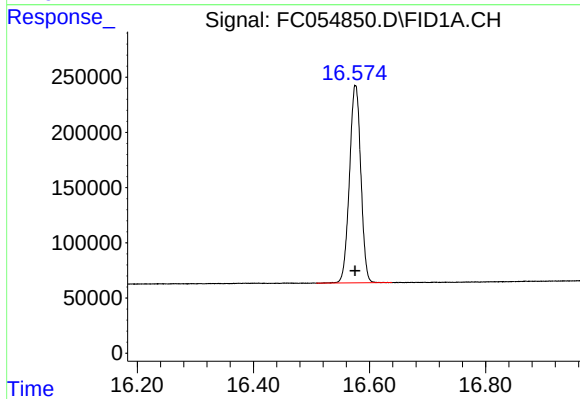
#14 n-Tetracosane (C24)

R.T.: 14.608 min
Delta R.T.: 0.000 min
Response: 2675659
Conc: 20.29 ug/ml



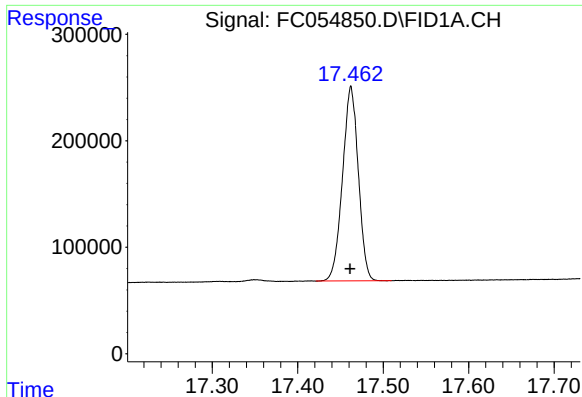
#15 n-Hexacosane (C26)

R.T.: 15.627 min
Delta R.T.: 0.000 min
Response: 2543053
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.576 min
Delta R.T.: 0.000 min
Response: 2425462
Conc: 18.42 ug/ml



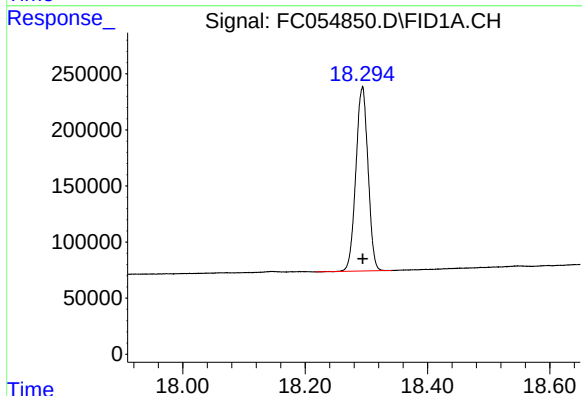
#17 n-Tricontane (C30)

R.T.: 17.462 min
Delta R.T.: 0.000 min
Response: 2346299
Conc: 16.49 ug/ml

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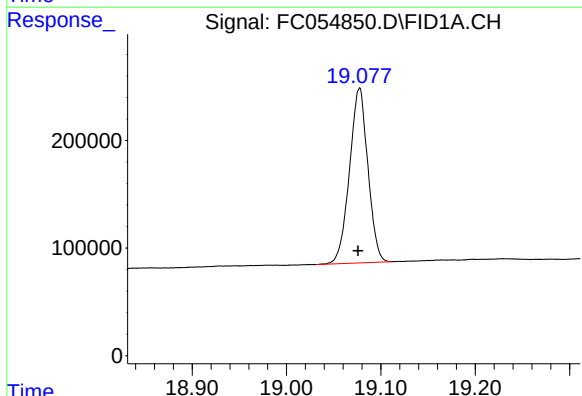
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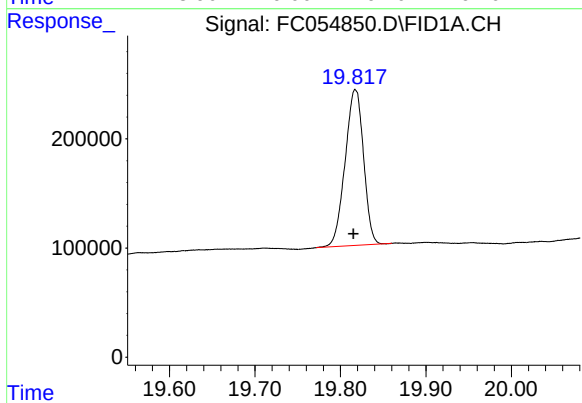
#18 n-Dotriacontane (C32)

R.T.: 18.293 min
Delta R.T.: 0.000 min
Response: 2265384
Conc: 18.31 ug/ml



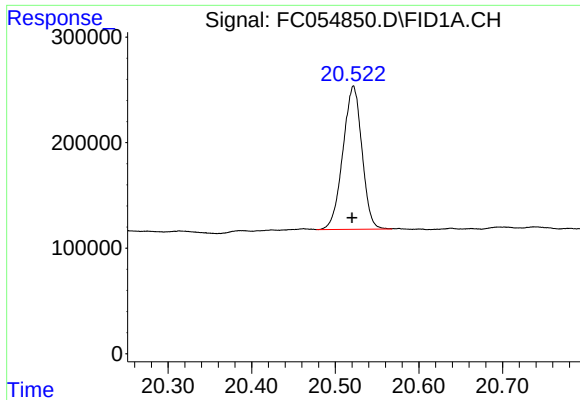
#19 n-Tetratriacontane (C34)

R.T.: 19.077 min
Delta R.T.: 0.001 min
Response: 2197856
Conc: 21.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.817 min
Delta R.T.: 0.002 min
Response: 2141915
Conc: 22.62 ug/ml



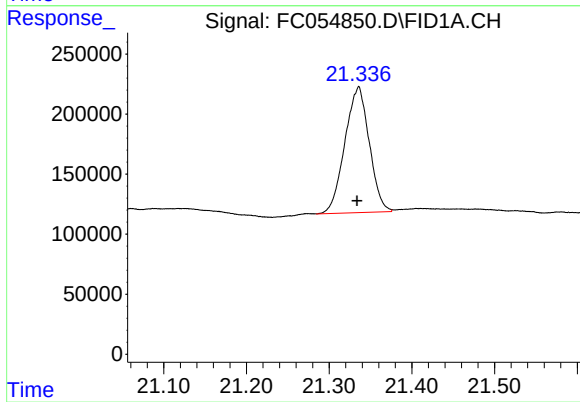
#21 n-Octatriacontane (C38)

R.T.: 20.522 min
Delta R.T.: 0.002 min
Response: 2150901
Conc: 23.10 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.336 min
Delta R.T.: 0.002 min
Response: 2142372
Conc: 22.07 ug/ml m