

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060921AL\
 Data File : FC054168.D
 Signal(s) : FID1A.CH
 Acq On : 10 Jun 2021 4:58
 Operator : DD\AJ
 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

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 6/10/2021 3:16:11 PM

Integration File: autoint1.e
 Quant Time: Jun 10 06:46:29 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 052721.M
 Quant Title : GC Extractables
 QLast Update : Fri May 28 09:04:47 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)	11.356	2819437	20.193 ug/ml
Spiked Amount 50.000		Recovery =	40.39%
12) S 1-chlorooctadecane (S...	12.798	2185377	19.492 ug/ml
Spiked Amount 50.000		Recovery =	38.98%
Target Compounds			
1) T n-Nonane (C9)	3.162	2605363	22.052 ug/ml
2) T n-Decane (C10)	4.219	2676960	22.460 ug/ml
3) T A~Naphthalene (C11.7)	5.787	2952925	22.578 ug/ml
4) T n-Dodecane (C12)	6.228	2737042	22.295 ug/ml
5) T A~2-methylnaphthalene...	6.840	2999618	22.470 ug/ml
6) T n-Tetradecane (C14)	8.017	2819980	22.734 ug/mlm
7) T n-Hexadecane (C16)	9.614	2693382	21.618 ug/ml
8) T n-Octadecane (C18)	11.052	2764766	20.990 ug/ml
10) T n-Eicosane (C20)	12.357	2686751	20.045 ug/ml
11) T n-Heneicosane (C21)	12.968	2621594	19.546 ug/ml
13) T n-Docosane (C22)	13.553	2590778	19.276 ug/ml
14) T n-Tetracosane (C24)	14.654	2532728	18.863 ug/ml
15) T n-Hexacosane (C26)	15.672	2441233	18.419 ug/ml
16) T n-Octacosane (C28)	16.621	2451991	18.570 ug/ml
17) T n-Tricontane (C30)	17.509	2551713	19.461 ug/ml
18) T n-Dotriacontane (C32)	18.340	2558176	19.831 ug/ml
19) T n-Tetratriacontane (C34)	19.125	2466028	20.214 ug/ml
20) T n-Hexatriacontane (C36)	19.865	2341030	20.736 ug/ml
21) T n-Octatriacontane (C38)	20.572	2182679	21.647 ug/mlm
22) T n-Tetracontane (C40)	21.400	2222758	22.025 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
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ALS Vial : 2 Sample Multiplier: 1

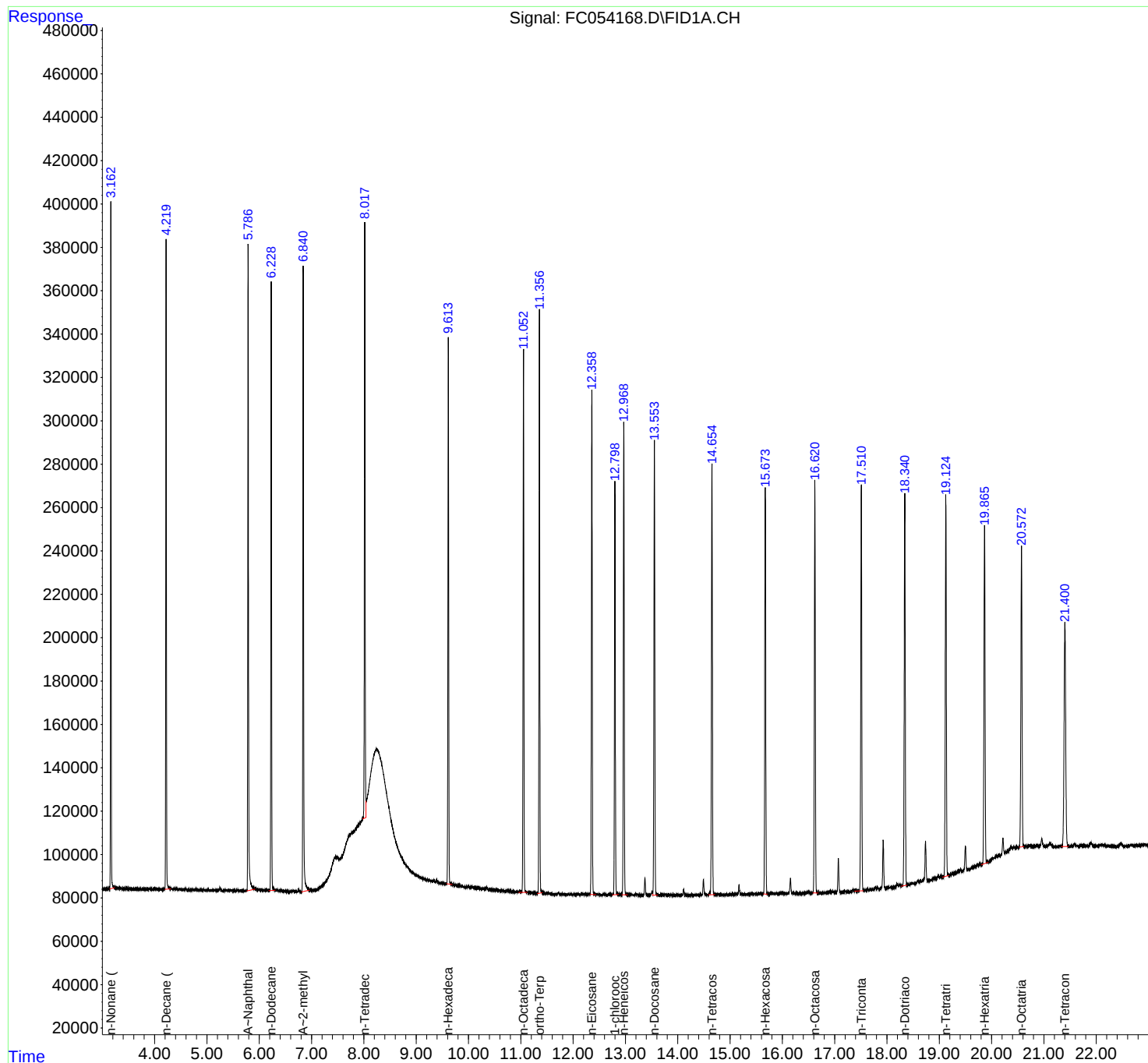
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

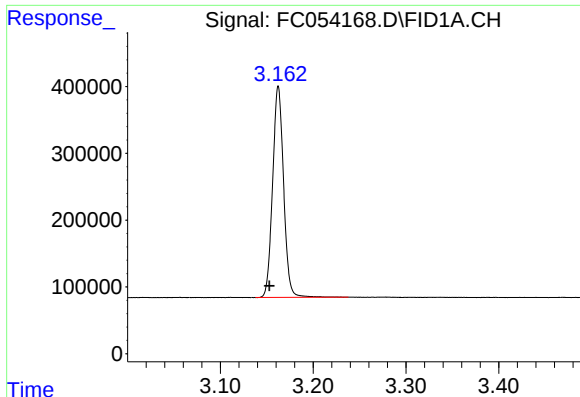
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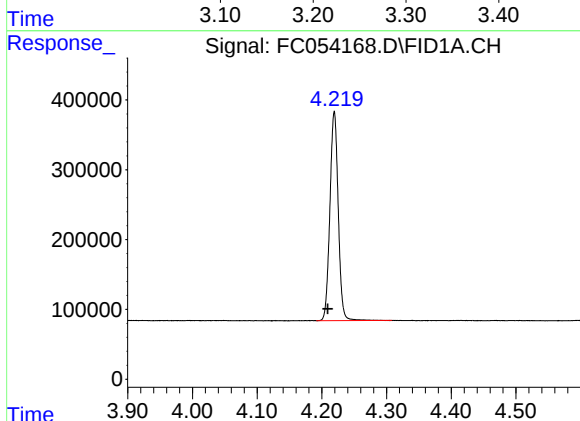
#1 n-Nonane (C9)

R.T.: 3.162 min
Delta R.T.: 0.009 min
Response: 2605363
Conc: 22.05 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

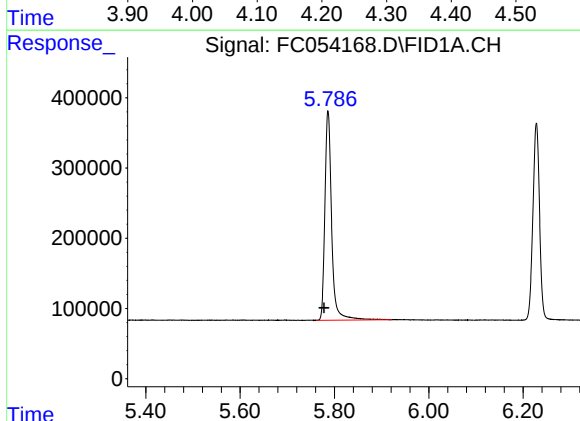
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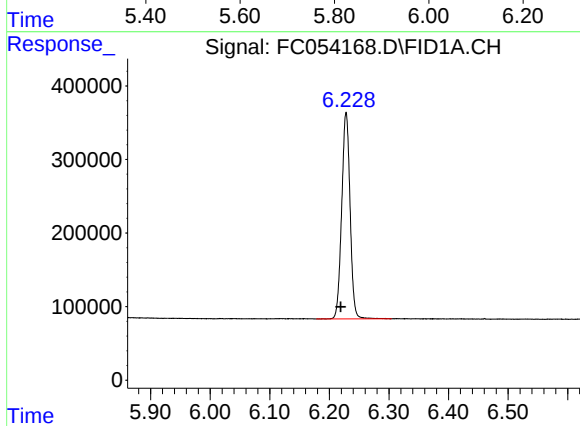
#2 n-Decane (C10)

R.T.: 4.219 min
Delta R.T.: 0.010 min
Response: 2676960
Conc: 22.46 ug/ml



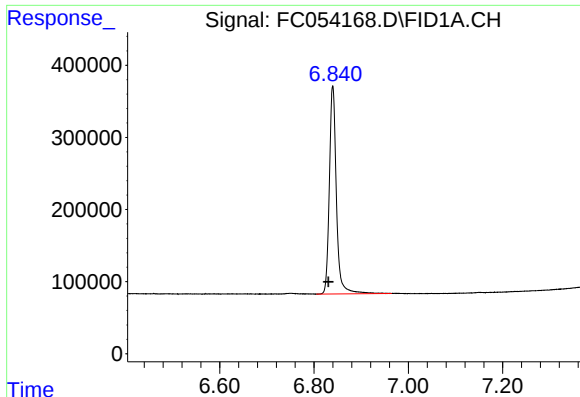
#3 A~Naphthalene (C11.7)

R.T.: 5.787 min
Delta R.T.: 0.009 min
Response: 2952925
Conc: 22.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.228 min
Delta R.T.: 0.009 min
Response: 2737042
Conc: 22.30 ug/ml



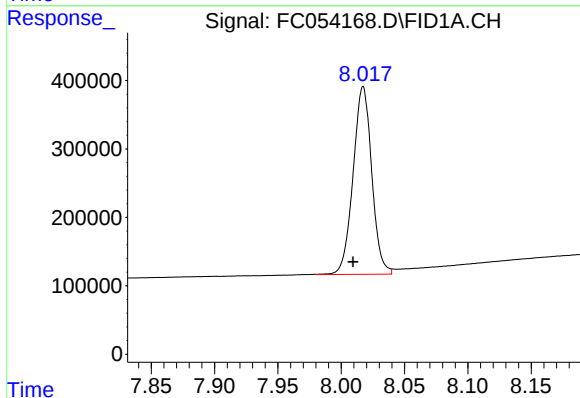
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.840 min
Delta R.T.: 0.009 min
Response: 2999618
Conc: 22.47 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

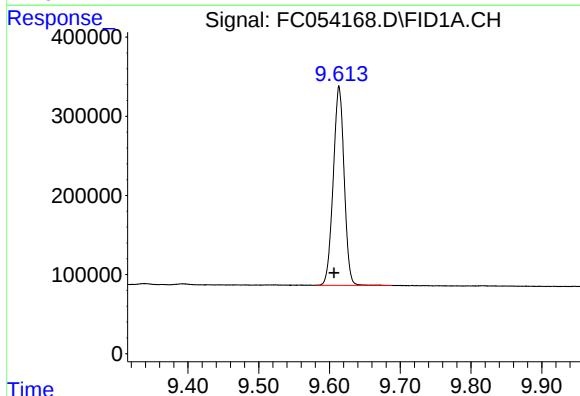
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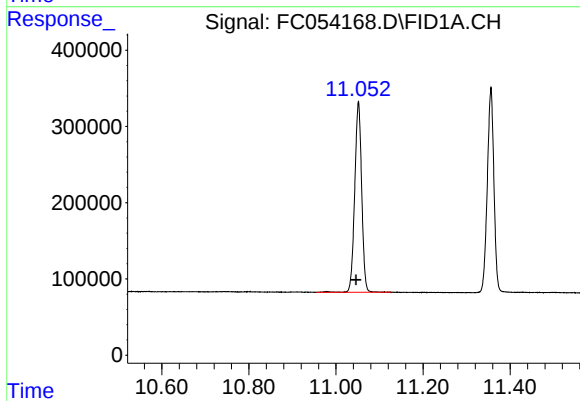
#6 n-Tetradecane (C14)

R.T.: 8.017 min
Delta R.T.: 0.008 min
Response: 2819980
Conc: 22.73 ug/ml m



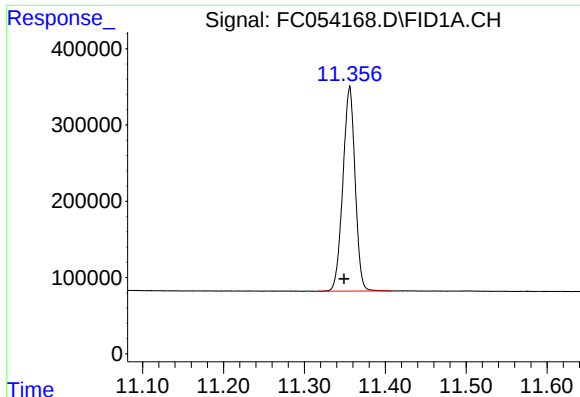
#7 n-Hexadecane (C16)

R.T.: 9.614 min
Delta R.T.: 0.007 min
Response: 2693382
Conc: 21.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.052 min
Delta R.T.: 0.006 min
Response: 2764766
Conc: 20.99 ug/ml



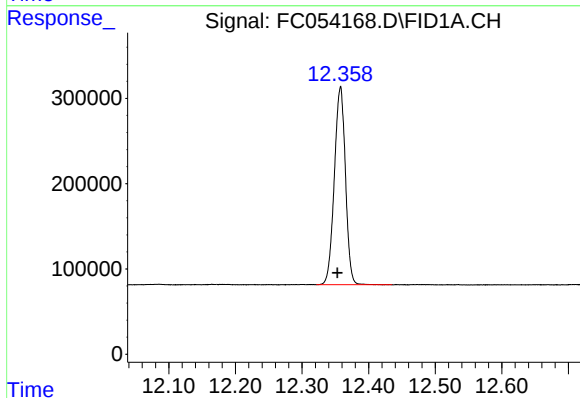
#9 ortho-Terphenyl (SURR)

R.T.: 11.356 min
Delta R.T.: 0.007 min
Response: 2819437
Conc: 20.19 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

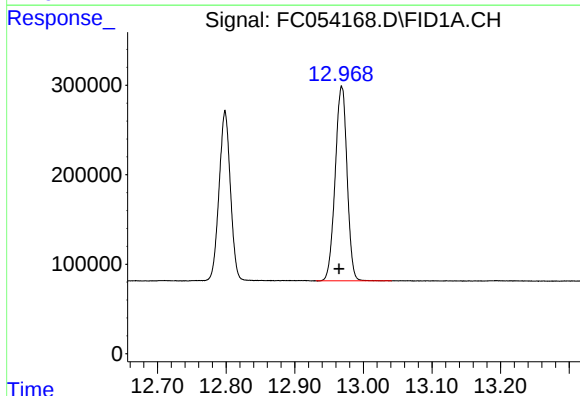
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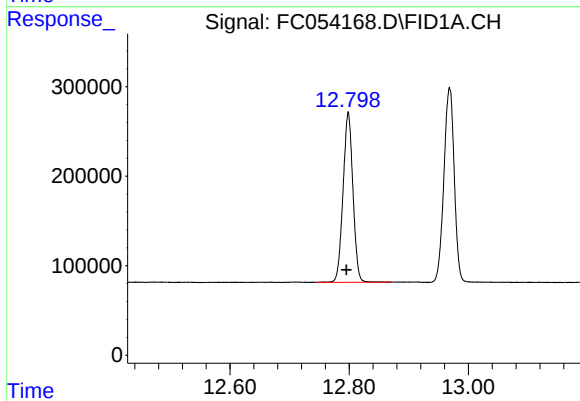
#10 n-Eicosane (C20)

R.T.: 12.357 min
Delta R.T.: 0.004 min
Response: 2686751
Conc: 20.04 ug/ml



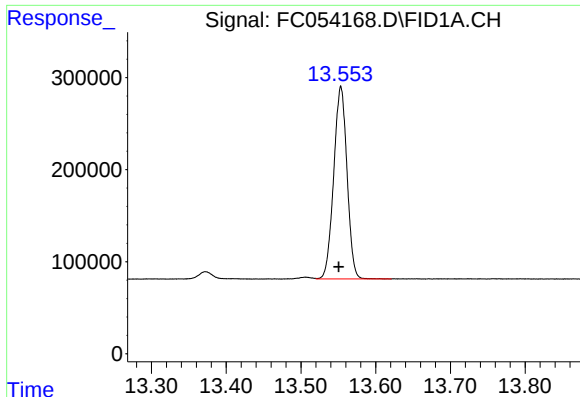
#11 n-Heneicosane (C21)

R.T.: 12.968 min
Delta R.T.: 0.004 min
Response: 2621594
Conc: 19.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.798 min
Delta R.T.: 0.003 min
Response: 2185377
Conc: 19.49 ug/ml



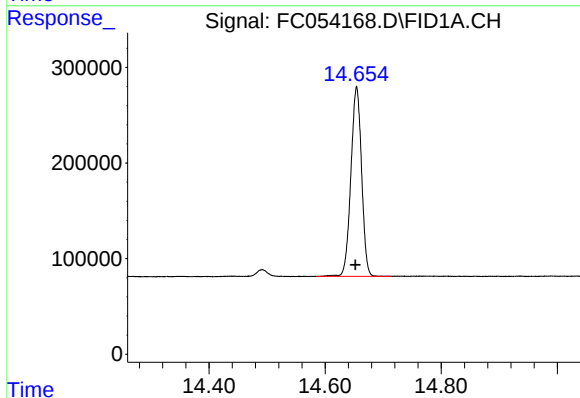
#13 n-Docosane (C22)

R.T.: 13.553 min
Delta R.T.: 0.003 min
Response: 2590778
Conc: 19.28 ug/ml

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20 PPM ALIPHATIC HC STD

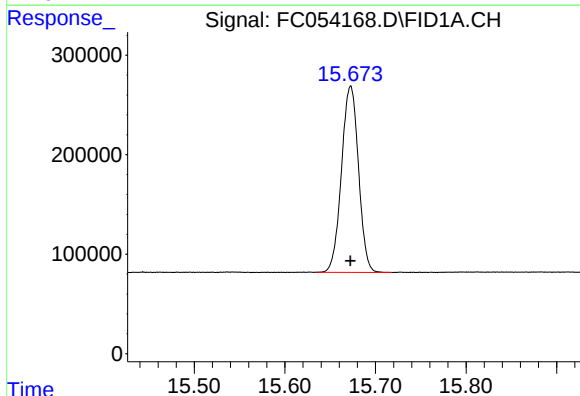
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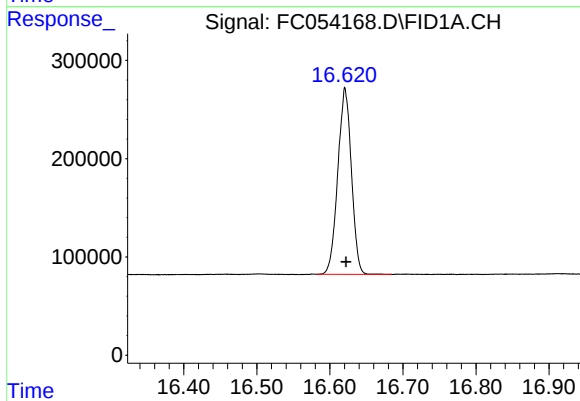
#14 n-Tetracosane (C24)

R.T.: 14.654 min
Delta R.T.: 0.002 min
Response: 2532728
Conc: 18.86 ug/ml



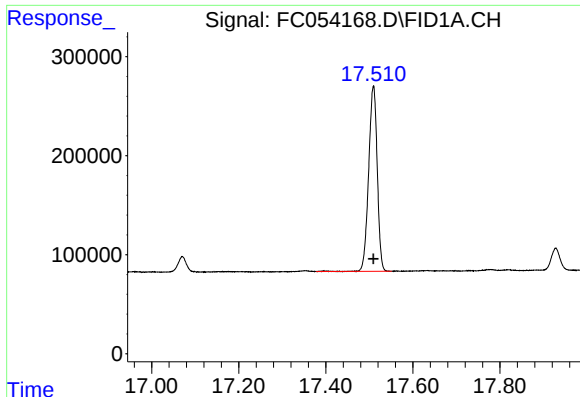
#15 n-Hexacosane (C26)

R.T.: 15.672 min
Delta R.T.: 0.000 min
Response: 2441233
Conc: 18.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.621 min
Delta R.T.: -0.001 min
Response: 2451991
Conc: 18.57 ug/ml



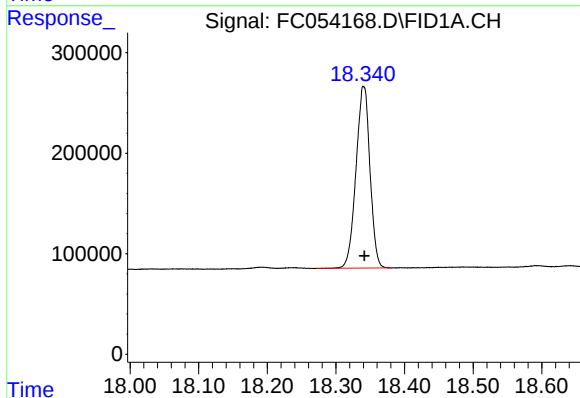
#17 n-Tricontane (C30)

R.T.: 17.509 min
Delta R.T.: 0.000 min
Response: 2551713
Conc: 19.46 ug/ml

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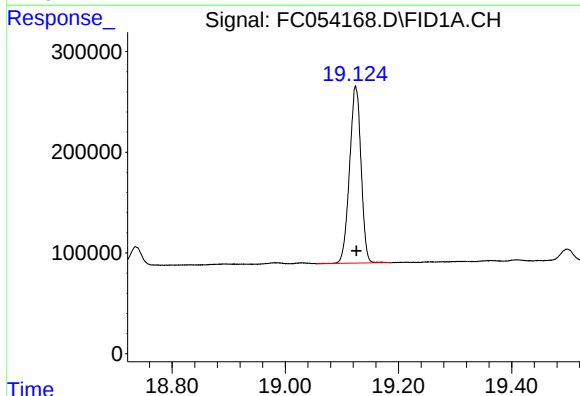
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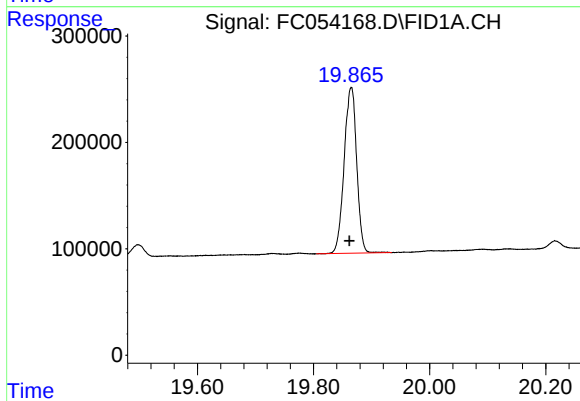
#18 n-Dotriacontane (C32)

R.T.: 18.340 min
Delta R.T.: -0.001 min
Response: 2558176
Conc: 19.83 ug/ml



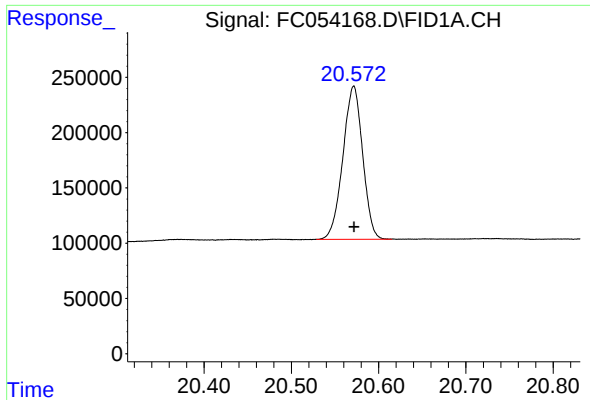
#19 n-Tetratriacontane (C34)

R.T.: 19.125 min
Delta R.T.: 0.000 min
Response: 2466028
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.865 min
Delta R.T.: 0.003 min
Response: 2341030
Conc: 20.74 ug/ml



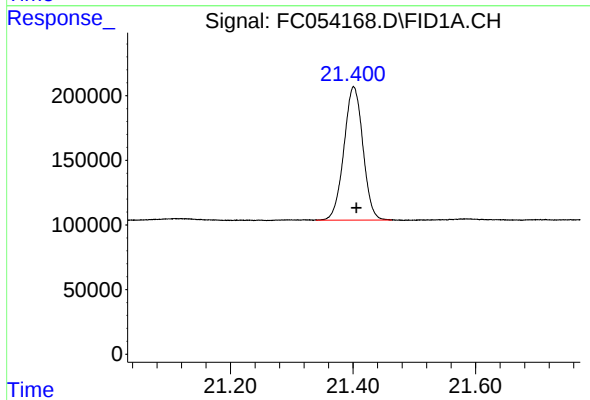
#21 n-Octatriacontane (C38)

R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2182679
Conc: 21.65 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.400 min
Delta R.T.: -0.005 min
Response: 2222758
Conc: 22.02 ug/ml m