

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121124AL\
 Data File : FC067983.D
 Signal(s) : FID1A.ch
 Acq On : 11 Dec 2024 13:37
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/12/2024
 Supervised By :Ankita Jodhani 12/12/2024

Integration File: autoint1.e
 Quant Time: Dec 12 03:32:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 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)	11.471	3247439	18.781 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
12) S 1-chlorooctadecane (S...	12.911	2413022	18.912 ug/ml
Spiked Amount 50.000		Recovery =	37.82%
Target Compounds			
1) T n-Nonane (C9)	3.251	2779907	17.892 ug/ml
2) T n-Decane (C10)	4.314	2900639	18.298 ug/ml
3) T A~Naphthalene (C11.7)	5.888	3176560	18.195 ug/ml
4) T n-Dodecane (C12)	6.328	2982491	18.523 ug/ml
5) T A~2-methylnaphthalene...	6.943	3108832	18.555 ug/mlm
6) T n-Tetradecane (C14)	8.122	2973200	18.700 ug/ml
7) T n-Hexadecane (C16)	9.720	3038380	18.807 ug/ml
8) T n-Octadecane (C18)	11.161	3034451	18.901 ug/ml
10) T n-Eicosane (C20)	12.468	2857094	18.993 ug/ml
11) T n-Heneicosane (C21)	13.080	2771354	18.967 ug/ml
13) T n-Docosane (C22)	13.666	2713592	18.957 ug/ml
14) T n-Tetracosane (C24)	14.768	2641053	19.007 ug/ml
15) T n-Hexacosane (C26)	15.787	2559573	19.140 ug/ml
16) T n-Octacosane (C28)	16.736	2550524	19.663 ug/ml
17) T n-Tricontane (C30)	17.622	2692940	20.788 ug/ml
18) T n-Dotriacontane (C32)	18.455	2647831	21.373 ug/ml
19) T n-Tetratriacontane (C34)	19.236	2291910	20.998 ug/ml
20) T n-Hexatriacontane (C36)	19.976	1922016	20.315 ug/ml
21) T n-Octatriacontane (C38)	20.695	1773244	19.602 ug/mlm
22) T n-Tetracontane (C40)	21.574	1644160	18.654 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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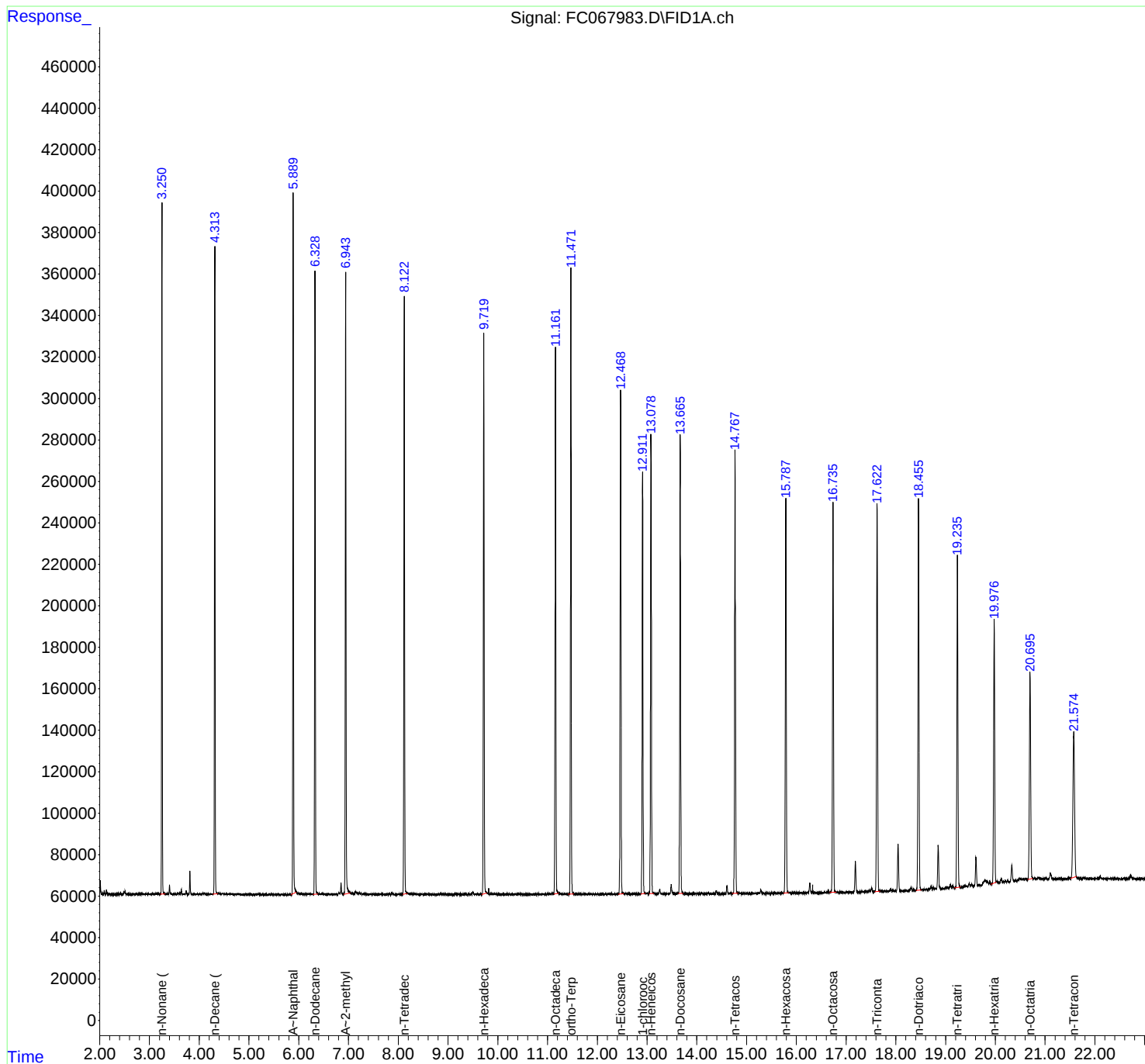
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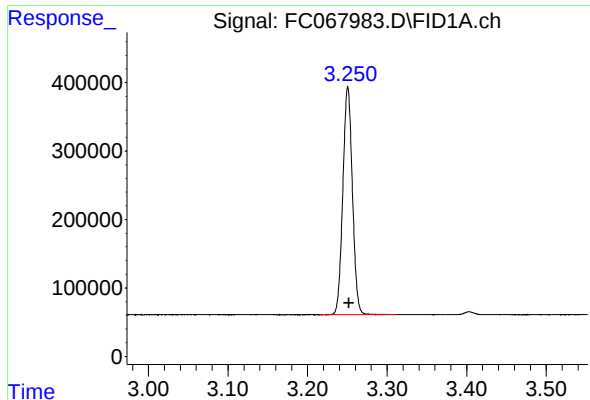
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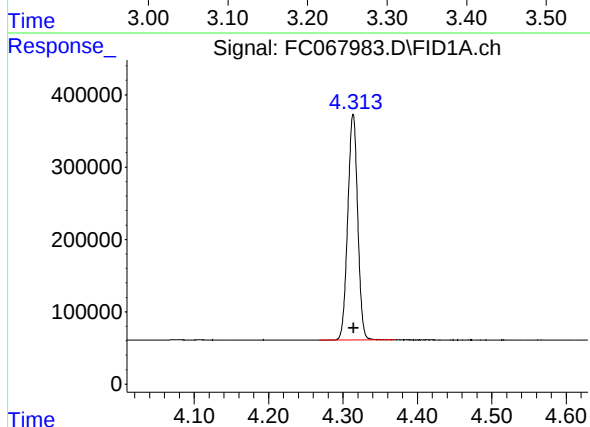
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.001 min
Response: 2779907
Conc: 17.89 ug/ml

Instrument :
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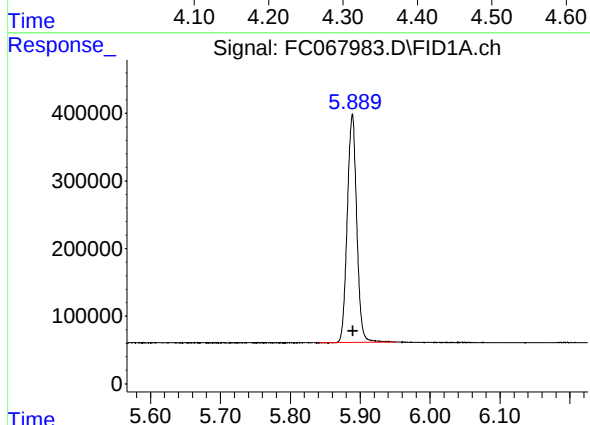
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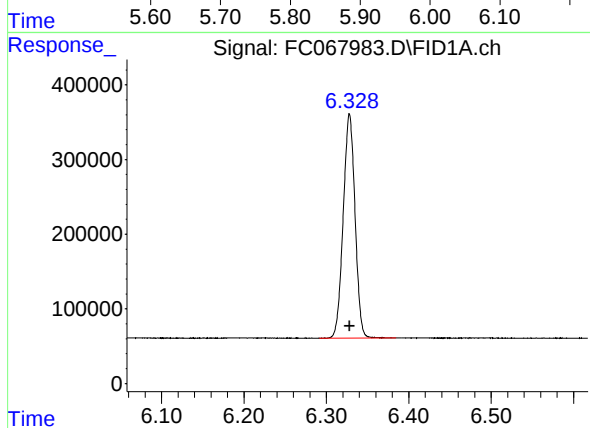
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 2900639
Conc: 18.30 ug/ml



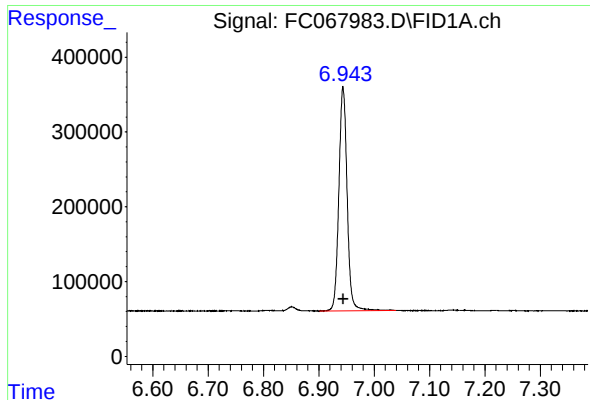
#3 A~Naphthalene (C11.7)

R.T.: 5.888 min
Delta R.T.: -0.001 min
Response: 3176560
Conc: 18.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 2982491
Conc: 18.52 ug/ml



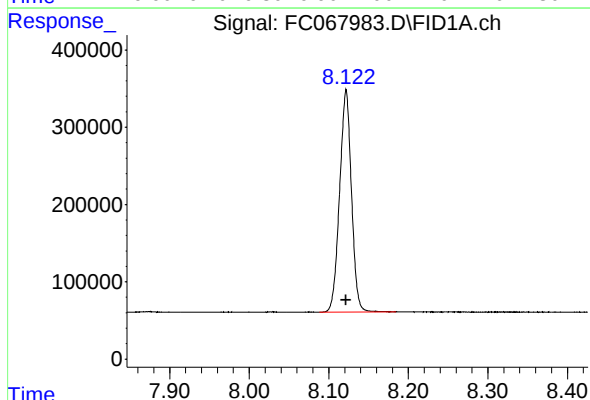
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.943 min
Delta R.T.: -0.001 min
Response: 3108832
Conc: 18.55 ug/ml

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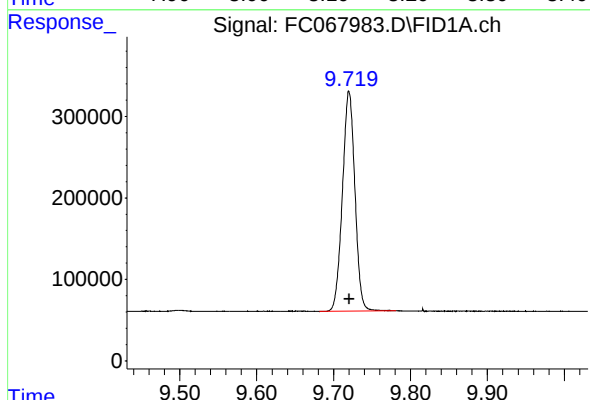
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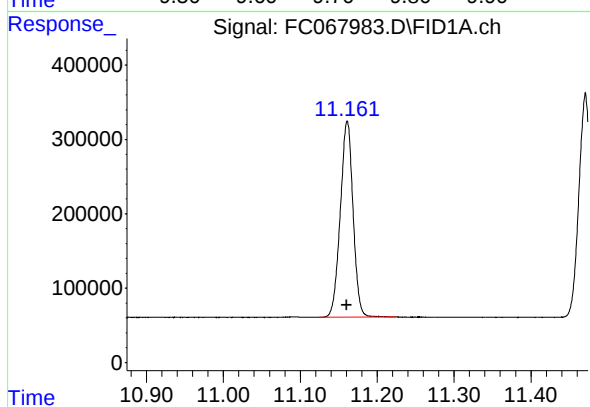
#6 n-Tetradecane (C14)

R.T.: 8.122 min
Delta R.T.: 0.000 min
Response: 2973200
Conc: 18.70 ug/ml



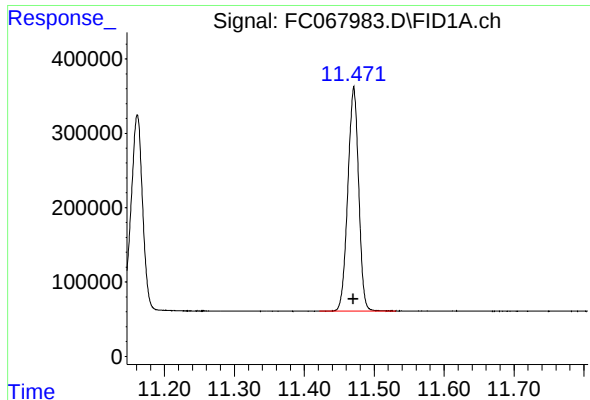
#7 n-Hexadecane (C16)

R.T.: 9.720 min
Delta R.T.: 0.000 min
Response: 3038380
Conc: 18.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.161 min
Delta R.T.: 0.000 min
Response: 3034451
Conc: 18.90 ug/ml



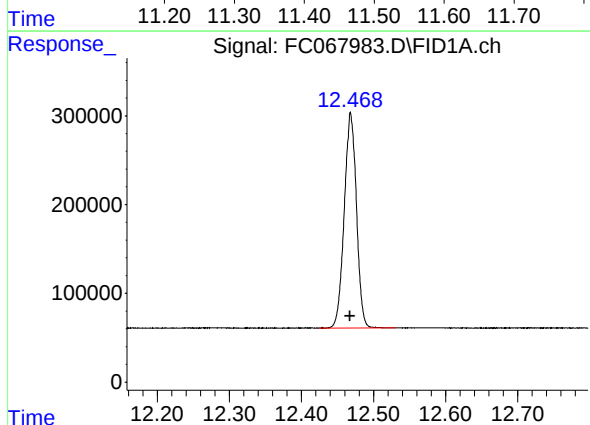
#9 ortho-Terphenyl (SURR)

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 3247439
Conc: 18.78 ug/ml

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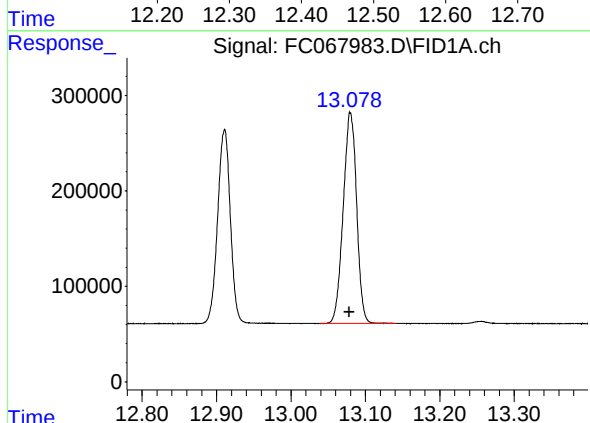
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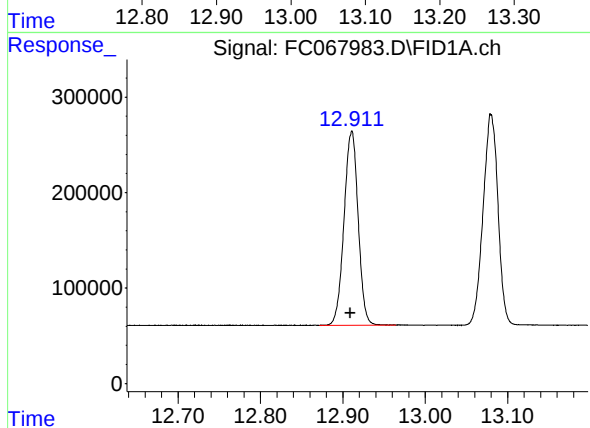
#10 n-Eicosane (C20)

R.T.: 12.468 min
Delta R.T.: 0.000 min
Response: 2857094
Conc: 18.99 ug/ml



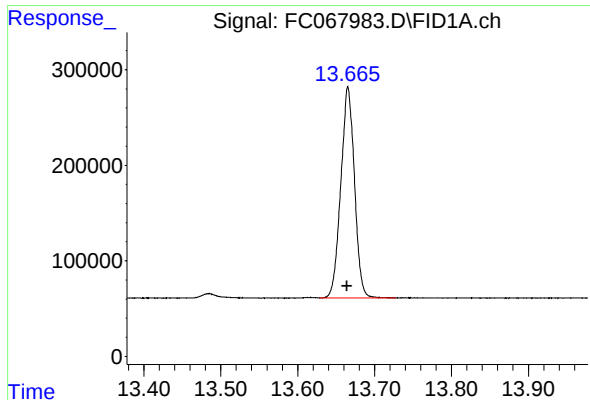
#11 n-Heneicosane (C21)

R.T.: 13.080 min
Delta R.T.: 0.002 min
Response: 2771354
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.911 min
Delta R.T.: 0.001 min
Response: 2413022
Conc: 18.91 ug/ml



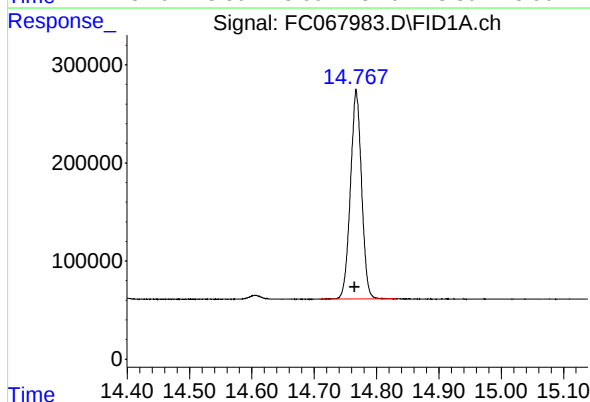
#13 n-Docosane (C22)

R.T.: 13.666 min
Delta R.T.: 0.001 min
Response: 2713592
Conc: 18.96 ug/ml

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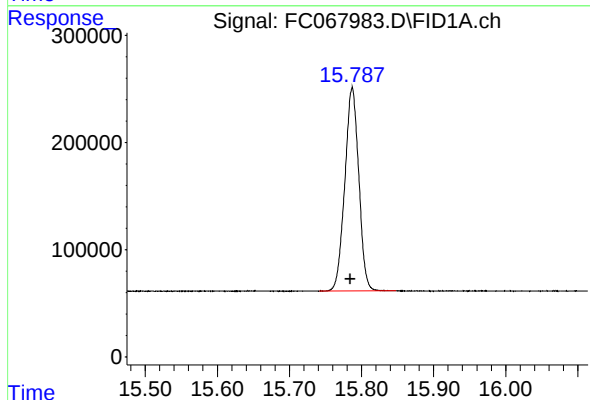
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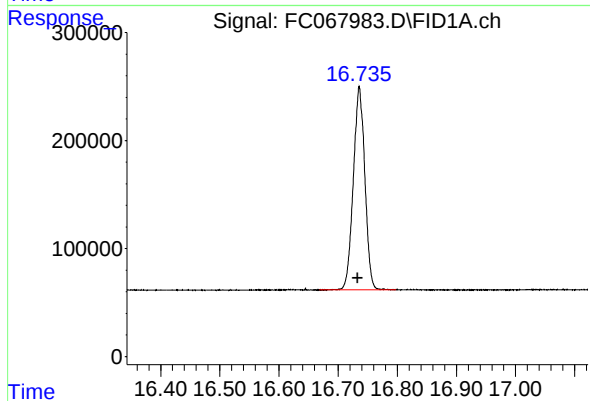
#14 n-Tetracosane (C24)

R.T.: 14.768 min
Delta R.T.: 0.003 min
Response: 2641053
Conc: 19.01 ug/ml



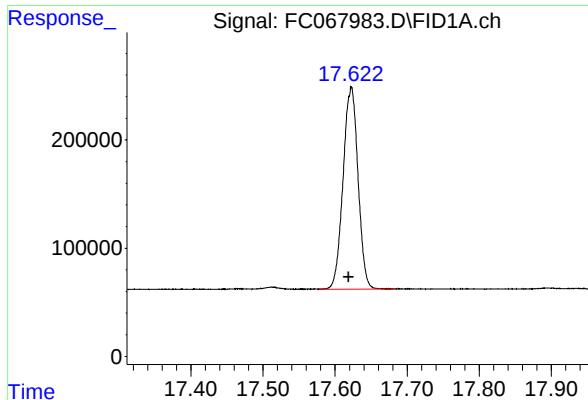
#15 n-Hexacosane (C26)

R.T.: 15.787 min
Delta R.T.: 0.002 min
Response: 2559573
Conc: 19.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.736 min
Delta R.T.: 0.003 min
Response: 2550524
Conc: 19.66 ug/ml



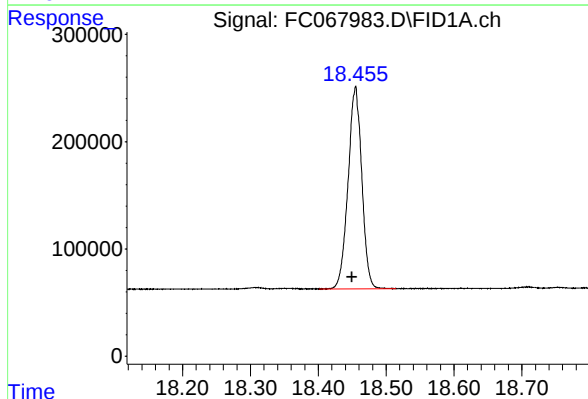
#17 n-Tricontane (C30)

R.T.: 17.622 min
Delta R.T.: 0.003 min
Response: 2692940
Conc: 20.79 ug/ml

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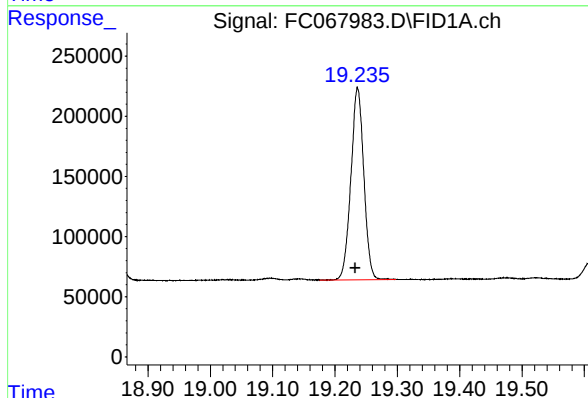
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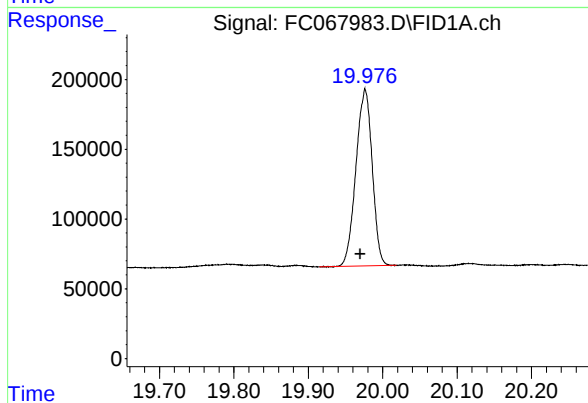
#18 n-Dotriacontane (C32)

R.T.: 18.455 min
Delta R.T.: 0.005 min
Response: 2647831
Conc: 21.37 ug/ml



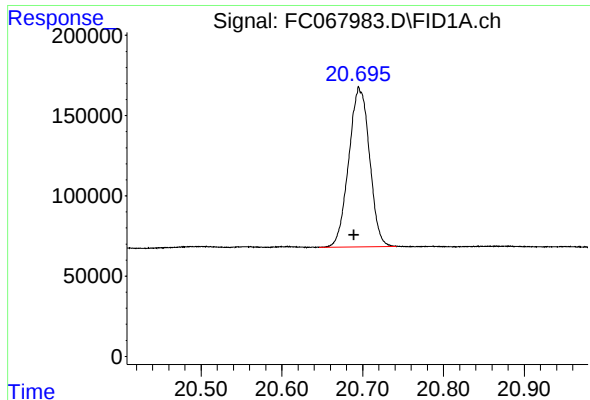
#19 n-Tetratriacontane (C34)

R.T.: 19.236 min
Delta R.T.: 0.004 min
Response: 2291910
Conc: 21.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.976 min
Delta R.T.: 0.006 min
Response: 1922016
Conc: 20.32 ug/ml



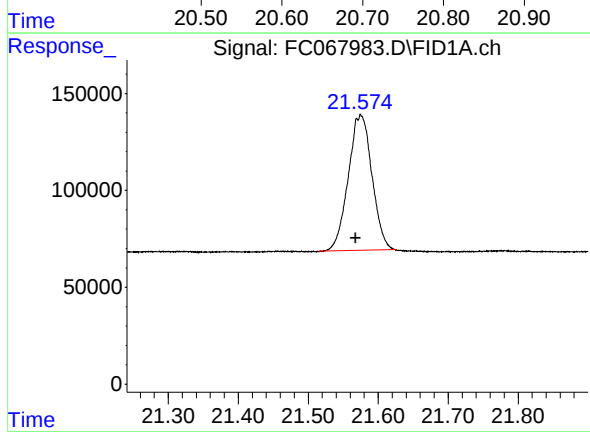
#21 n-Octatriacontane (C38)

R.T.: 20.695 min
Delta R.T.: 0.005 min
Response: 1773244
Conc: 19.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.574 min
Delta R.T.: 0.006 min
Response: 1644160
Conc: 18.65 ug/ml m