

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067848.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 10:19
 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 11/25/2024
 Supervised By :Ankita Jodhani 11/25/2024

Integration File: sample.E
 Quant Time: Nov 22 22:20:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 Qlast Update : Thu Nov 14 14:13:15 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)	11.503	3416980	17.625 ug/ml
Spiked Amount 50.000		Recovery =	35.25%
12) S 1-chlorooctadecane (S...	12.941	2532123	17.444 ug/ml
Spiked Amount 50.000		Recovery =	34.89%
Target Compounds			
1) T n-Nonane (C9)	3.286	2908935	17.834 ug/ml
2) T n-Decane (C10)	4.349	3017122	18.194 ug/ml
3) T A~Naphthalene (C11.7)	5.926	3310426	18.074 ug/ml
4) T n-Dodecane (C12)	6.363	3054689	18.136 ug/ml
5) T A~2-methylnaphthalene...	6.980	3208967	18.094 ug/ml
6) T n-Tetradecane (C14)	8.154	3030573	18.096 ug/ml
7) T n-Hexadecane (C16)	9.751	3139795	18.118 ug/ml
8) T n-Octadecane (C18)	11.190	3154093	17.927 ug/mlm
10) T n-Eicosane (C20)	12.498	2979757	17.696 ug/ml
11) T n-Heneicosane (C21)	13.108	2900030	17.625 ug/ml
13) T n-Docosane (C22)	13.694	2853293	17.521 ug/ml
14) T n-Tetracosane (C24)	14.795	2802339	17.473 ug/ml
15) T n-Hexacosane (C26)	15.814	2723547	17.587 ug/ml
16) T n-Octacosane (C28)	16.763	2764595	18.306 ug/ml
17) T n-Tricontane (C30)	17.649	2971523	19.408 ug/ml
18) T n-Dotriacontane (C32)	18.480	2959547	20.039 ug/ml
19) T n-Tetratriacontane (C34)	19.262	2532048	20.075 ug/mlm
20) T n-Hexatriacontane (C36)	20.001	2169034	20.739 ug/ml
21) T n-Octatriacontane (C38)	20.725	1891139	19.360 ug/ml
22) T n-Tetracontane (C40)	21.609	1759960	18.057 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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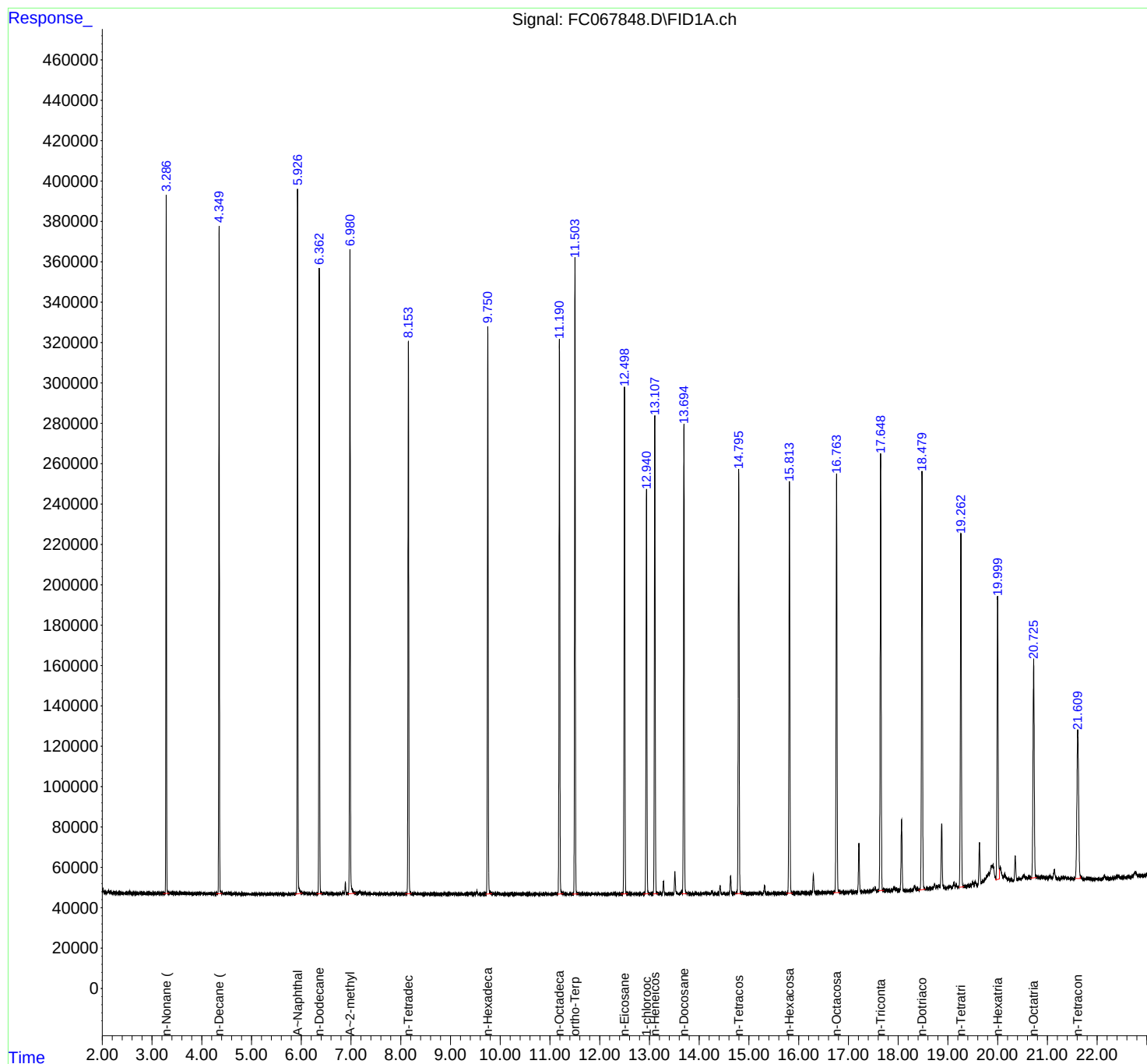
Instrument :
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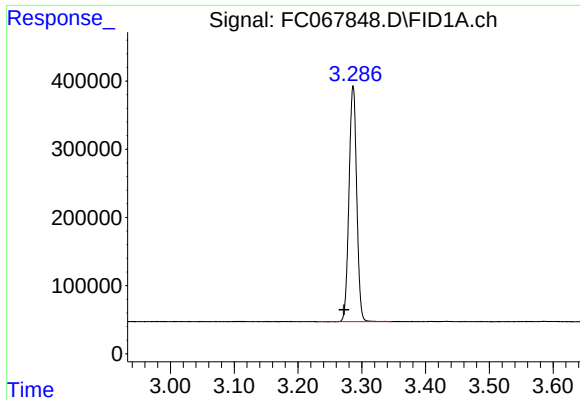
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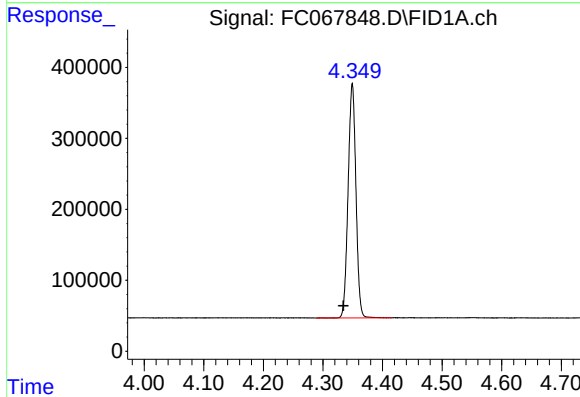
#1 n-Nonane (C9)

R.T.: 3.286 min
Delta R.T.: 0.014 min
Response: 2908935
Conc: 17.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

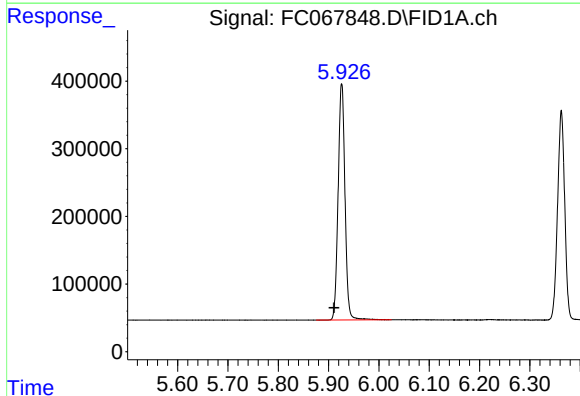
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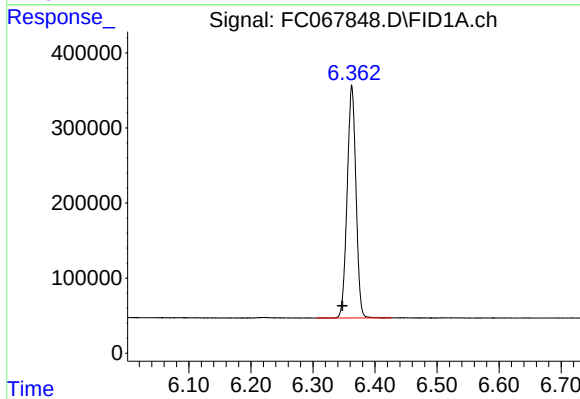
#2 n-Decane (C10)

R.T.: 4.349 min
Delta R.T.: 0.015 min
Response: 3017122
Conc: 18.19 ug/ml



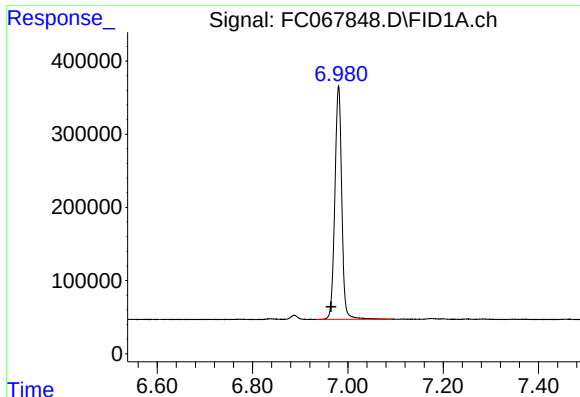
#3 A~Naphthalene (C11.7)

R.T.: 5.926 min
Delta R.T.: 0.015 min
Response: 3310426
Conc: 18.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.363 min
Delta R.T.: 0.015 min
Response: 3054689
Conc: 18.14 ug/ml



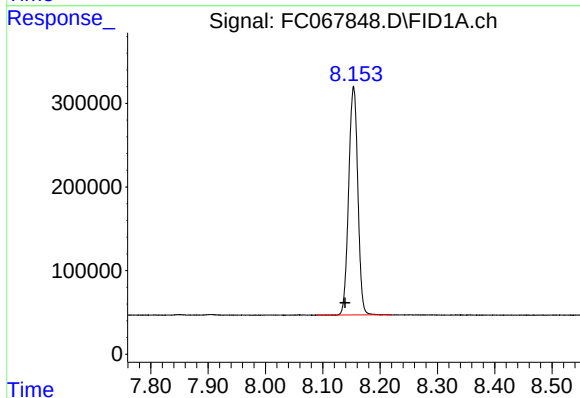
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.980 min
Delta R.T.: 0.015 min
Response: 3208967
Conc: 18.09 ug/ml

Instrument :
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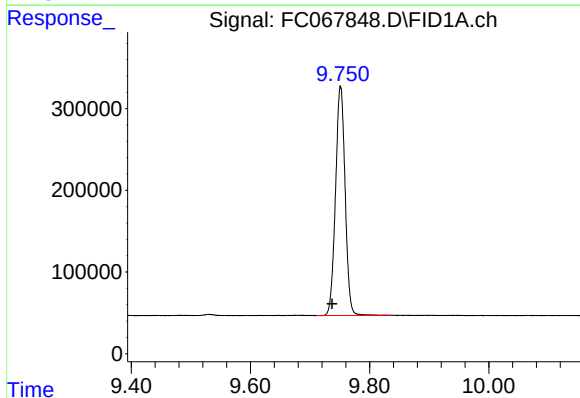
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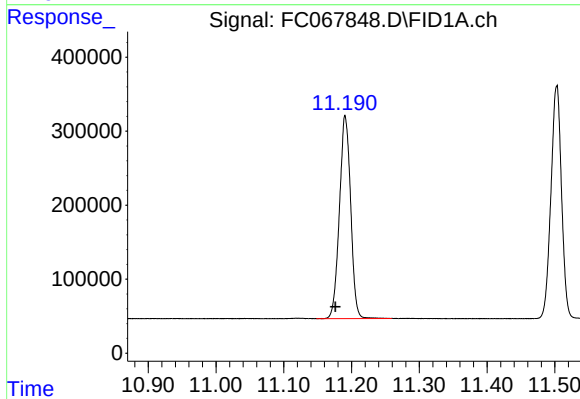
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.015 min
Response: 3030573
Conc: 18.10 ug/ml



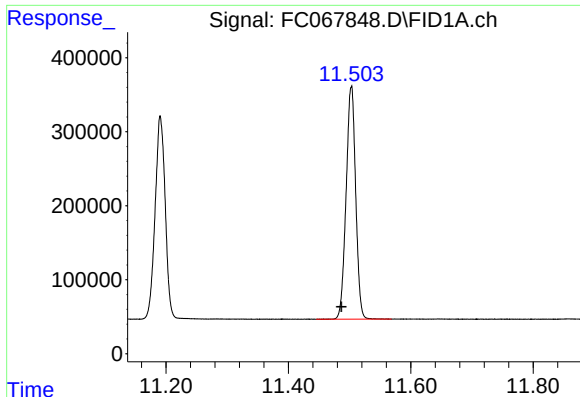
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.014 min
Response: 3139795
Conc: 18.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min
Delta R.T.: 0.014 min
Response: 3154093
Conc: 17.93 ug/ml m



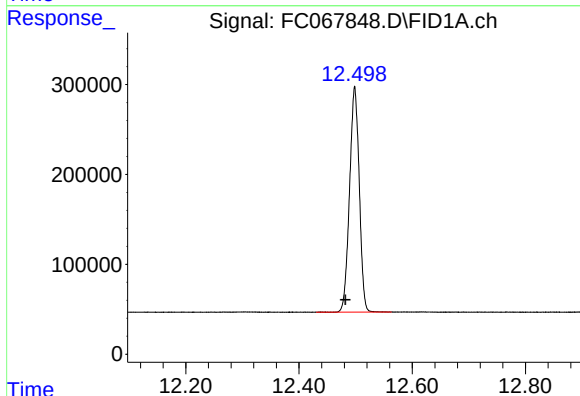
#9 ortho-Terphenyl (SURR)

R.T.: 11.503 min
Delta R.T.: 0.016 min
Response: 3416980
Conc: 17.62 ug/ml

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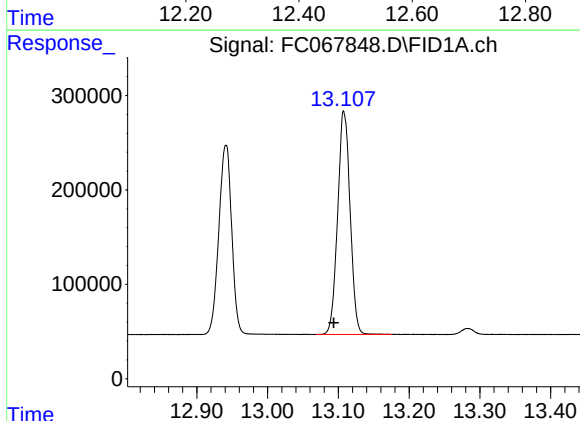
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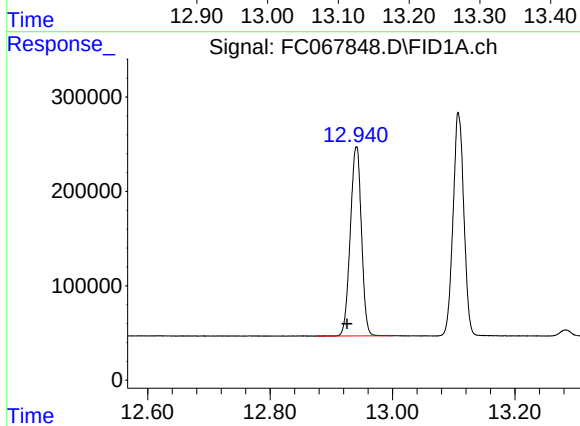
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: 0.016 min
Response: 2979757
Conc: 17.70 ug/ml



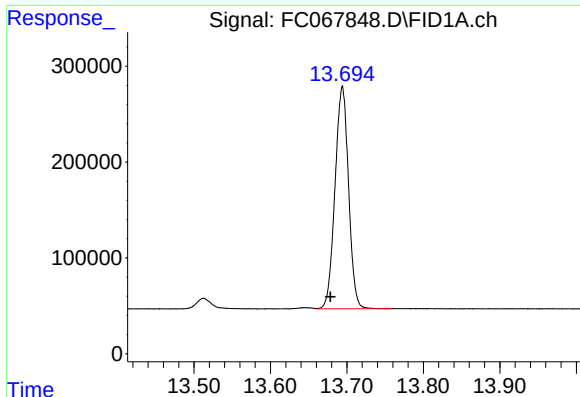
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: 0.015 min
Response: 2900030
Conc: 17.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: 0.015 min
Response: 2532123
Conc: 17.44 ug/ml



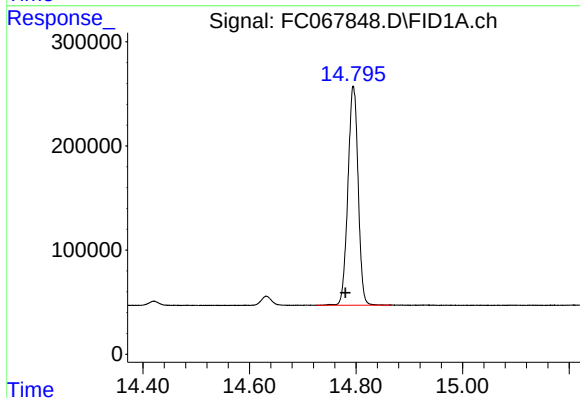
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: 0.015 min
Response: 2853293
Conc: 17.52 ug/ml

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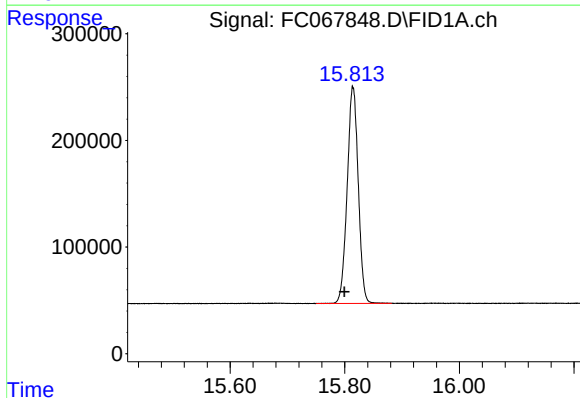
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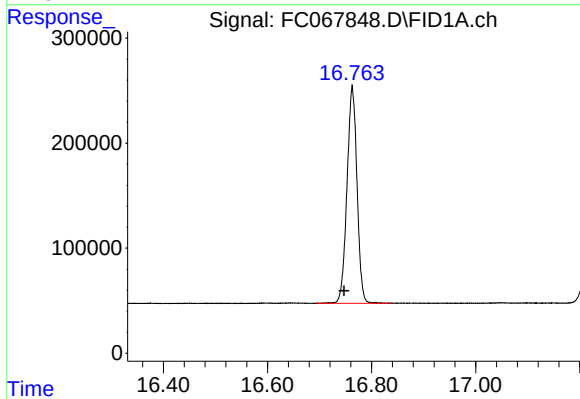
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.015 min
Response: 2802339
Conc: 17.47 ug/ml



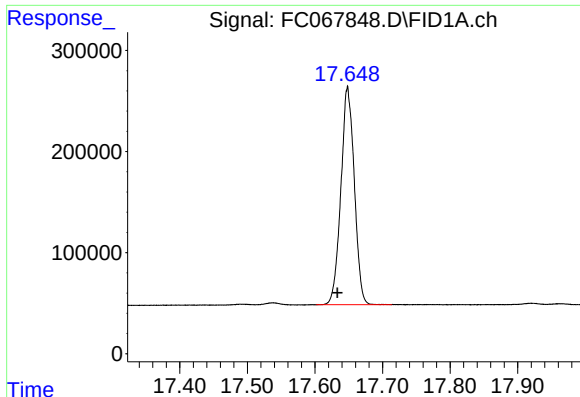
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.015 min
Response: 2723547
Conc: 17.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min
Delta R.T.: 0.016 min
Response: 2764595
Conc: 18.31 ug/ml



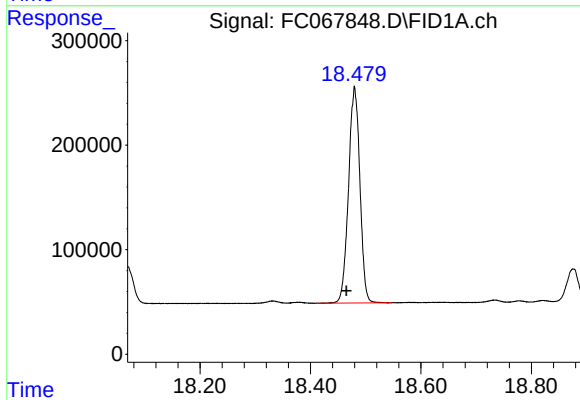
#17 n-Tricontane (C30)

R.T.: 17.649 min
Delta R.T.: 0.015 min
Response: 2971523
Conc: 19.41 ug/ml

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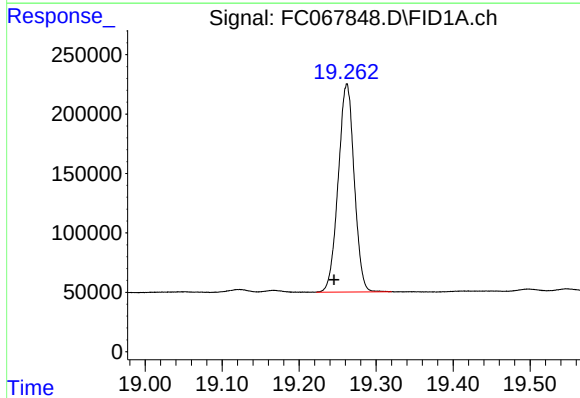
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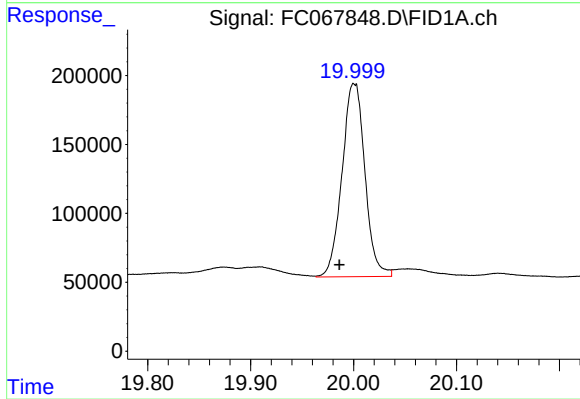
#18 n-Dotriacontane (C32)

R.T.: 18.480 min
Delta R.T.: 0.015 min
Response: 2959547
Conc: 20.04 ug/ml



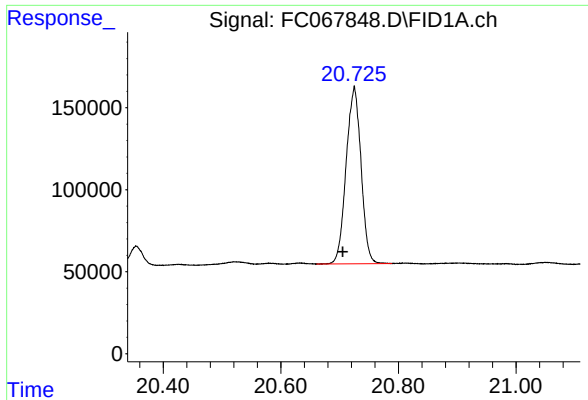
#19 n-Tetratriacontane (C34)

R.T.: 19.262 min
Delta R.T.: 0.017 min
Response: 2532048
Conc: 20.07 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.001 min
Delta R.T.: 0.014 min
Response: 2169034
Conc: 20.74 ug/ml



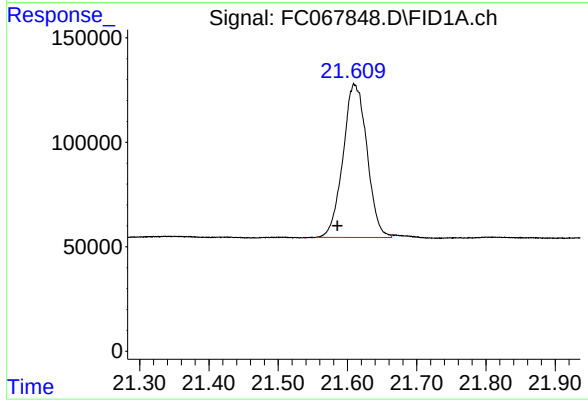
#21 n-Octatriacontane (C38)

R.T.: 20.725 min
Delta R.T.: 0.020 min
Response: 1891139
Conc: 19.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.609 min
Delta R.T.: 0.024 min
Response: 1759960
Conc: 18.06 ug/ml m