

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068748.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 15:56
 Operator : YP/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

Reviewed By :Yogesh Patel 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File: sample.E
 Quant Time: May 03 00:41:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 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)	11.714	2369412	18.607 ug/ml
Spiked Amount 50.000		Recovery =	37.21%
12) S 1-chlorooctadecane (S...	13.148	1723421	18.553 ug/ml
Spiked Amount 50.000		Recovery =	37.11%
Target Compounds			
1) T n-Nonane (C9)	3.443	1994255	18.935 ug/ml
2) T n-Decane (C10)	4.519	2010147	19.079 ug/ml
3) T A~Naphthalene (C11.7)	6.117	2191764	18.820 ug/ml
4) T n-Dodecane (C12)	6.545	1992935	18.951 ug/ml
5) T A~2-methylnaphthalene...	7.175	2170103	18.789 ug/ml
6) T n-Tetradecane (C14)	8.343	1942804	18.898 ug/ml
7) T n-Hexadecane (C16)	9.946	1924540	18.897 ug/ml
8) T n-Octadecane (C18)	11.390	1903499	18.915 ug/ml
10) T n-Eicosane (C20)	12.700	1854397	18.853 ug/ml
11) T n-Heneicosane (C21)	13.314	1835063	18.829 ug/ml
13) T n-Docosane (C22)	13.901	1823135	18.874 ug/ml
14) T n-Tetracosane (C24)	15.005	1795062	18.859 ug/ml
15) T n-Hexacosane (C26)	16.028	1771024	18.961 ug/ml
16) T n-Octacosane (C28)	16.979	1797271	19.630 ug/ml
17) T n-Tricontane (C30)	17.869	1924385	20.933 ug/ml
18) T n-Dotriacontane (C32)	18.703	1987564	21.668 ug/ml
19) T n-Tetratriacontane (C34)	19.487	1927750	21.578 ug/ml
20) T n-Hexatriacontane (C36)	20.228	1923073	21.468 ug/ml
21) T n-Octatriacontane (C38)	21.001	1894929	21.433 ug/mlm
22) T n-Tetracontane (C40)	21.982	1861377	21.079 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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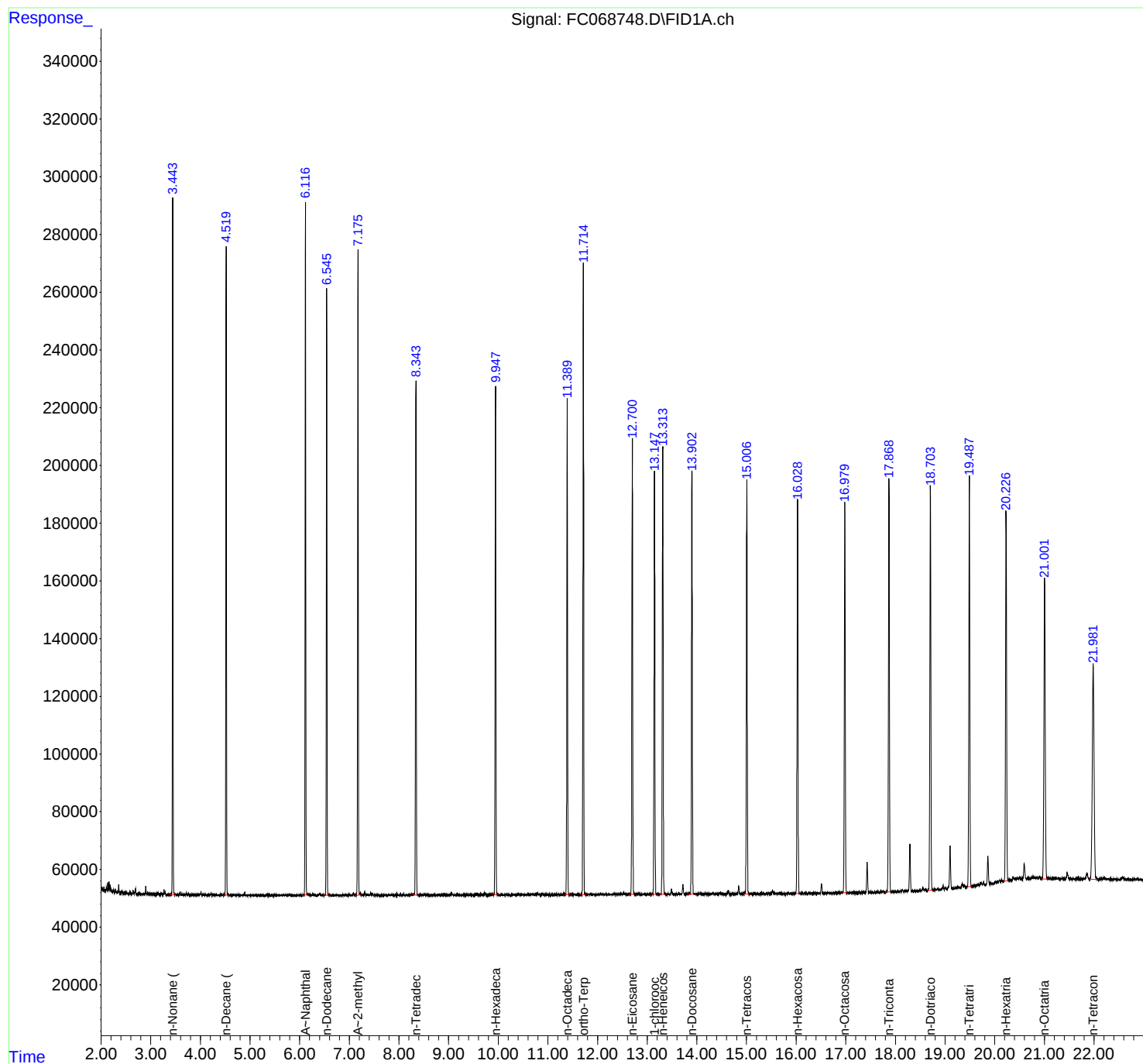
Instrument :
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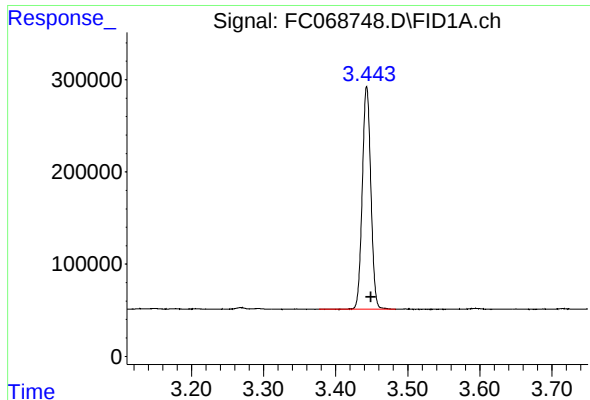
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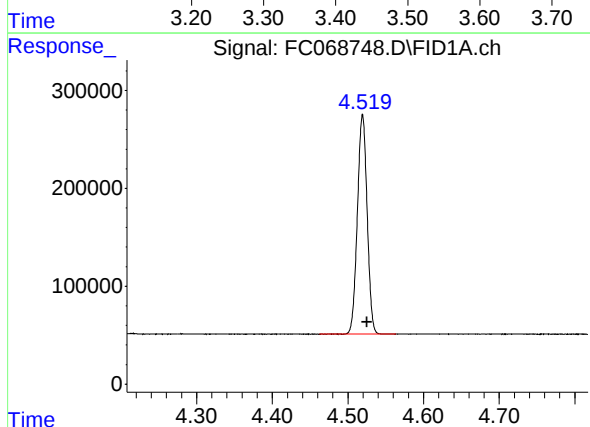
#1 n-Nonane (C9)

R.T.: 3.443 min
Delta R.T.: -0.006 min
Response: 1994255
Conc: 18.93 ug/ml

Instrument :
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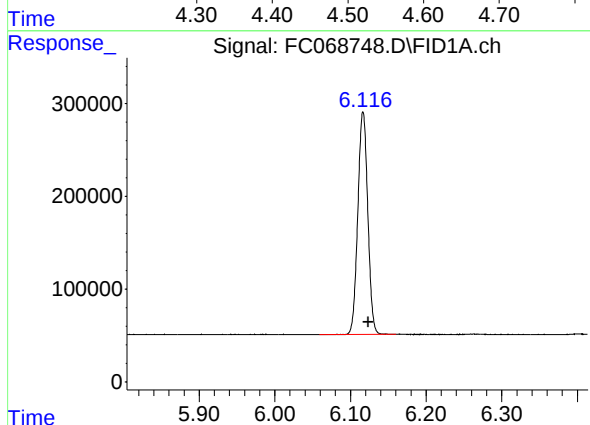
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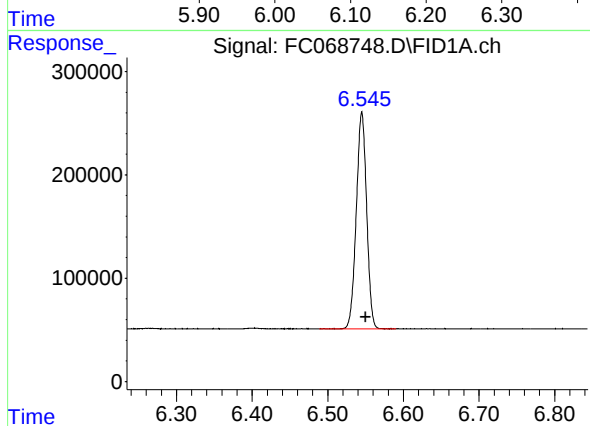
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: -0.006 min
Response: 2010147
Conc: 19.08 ug/ml



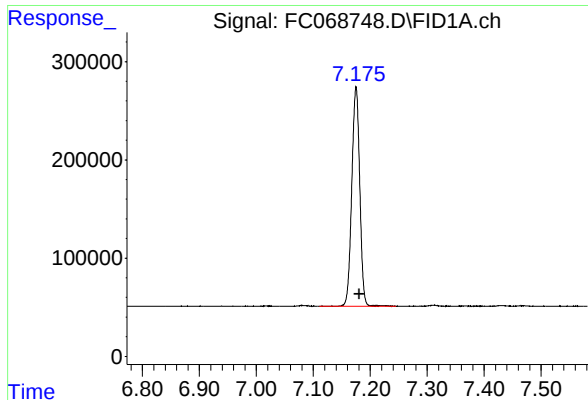
#3 A~Naphthalene (C11.7)

R.T.: 6.117 min
Delta R.T.: -0.007 min
Response: 2191764
Conc: 18.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.545 min
Delta R.T.: -0.005 min
Response: 1992935
Conc: 18.95 ug/ml



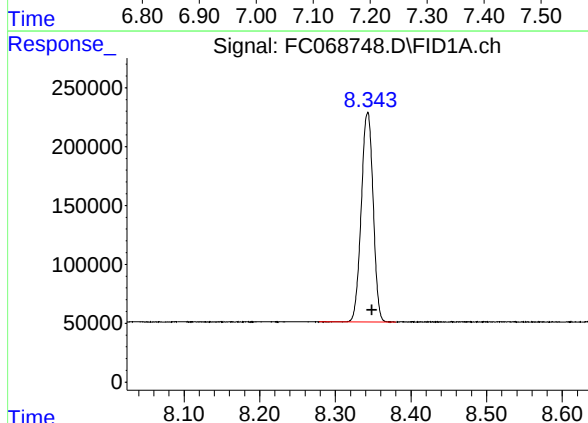
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.175 min
Delta R.T.: -0.006 min
Response: 2170103
Conc: 18.79 ug/ml

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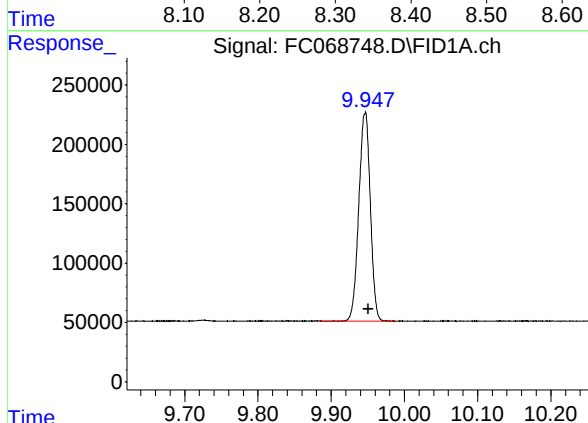
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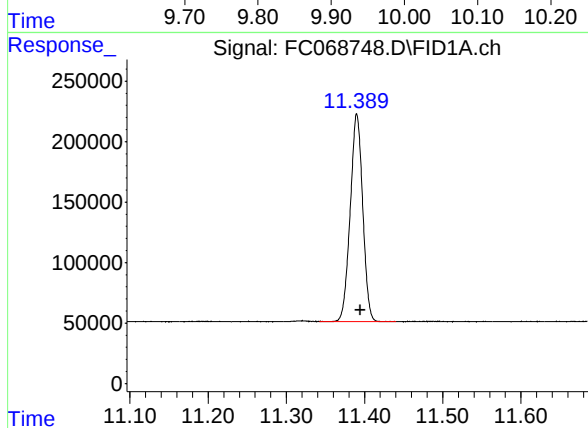
#6 n-Tetradecane (C14)

R.T.: 8.343 min
Delta R.T.: -0.006 min
Response: 1942804
Conc: 18.90 ug/ml



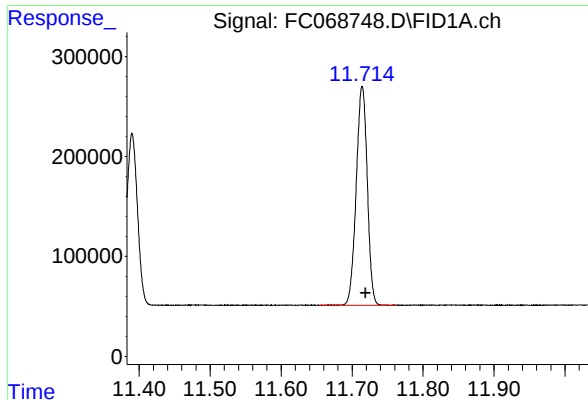
#7 n-Hexadecane (C16)

R.T.: 9.946 min
Delta R.T.: -0.005 min
Response: 1924540
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.390 min
Delta R.T.: -0.005 min
Response: 1903499
Conc: 18.92 ug/ml



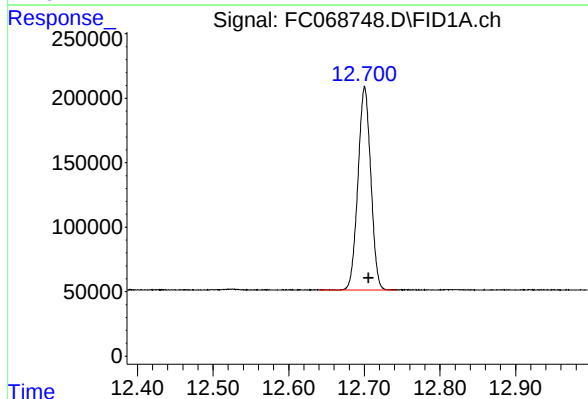
#9 ortho-Terphenyl (SURR)

R.T.: 11.714 min
Delta R.T.: -0.004 min
Response: 2369412
Conc: 18.61 ug/ml

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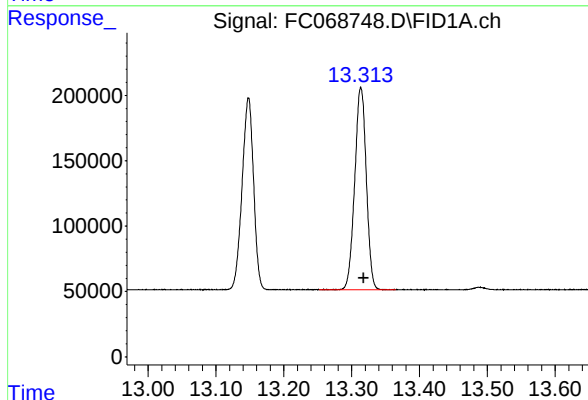
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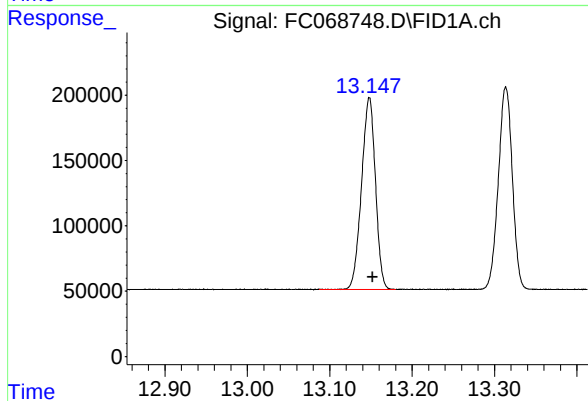
#10 n-Eicosane (C20)

R.T.: 12.700 min
Delta R.T.: -0.005 min
Response: 1854397
Conc: 18.85 ug/ml



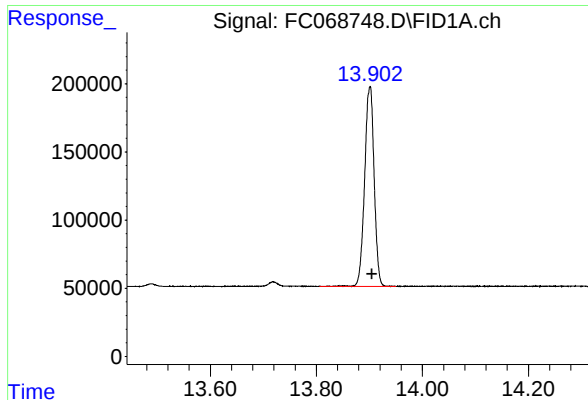
#11 n-Heneicosane (C21)

R.T.: 13.314 min
Delta R.T.: -0.004 min
Response: 1835063
Conc: 18.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.148 min
Delta R.T.: -0.004 min
Response: 1723421
Conc: 18.55 ug/ml



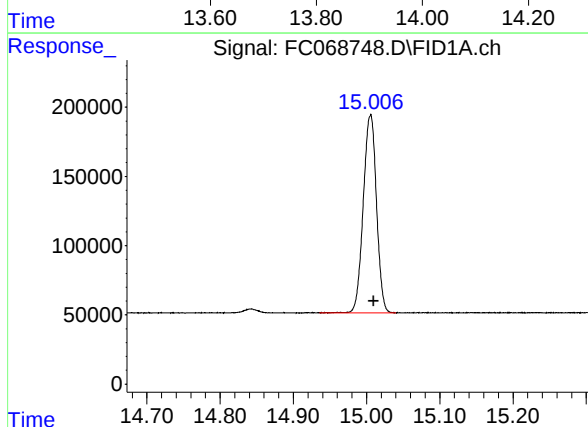
#13 n-Docosane (C22)

R.T.: 13.901 min
Delta R.T.: -0.004 min
Response: 1823135
Conc: 18.87 ug/ml

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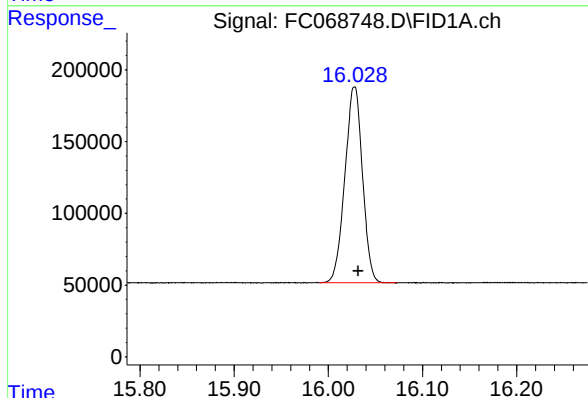
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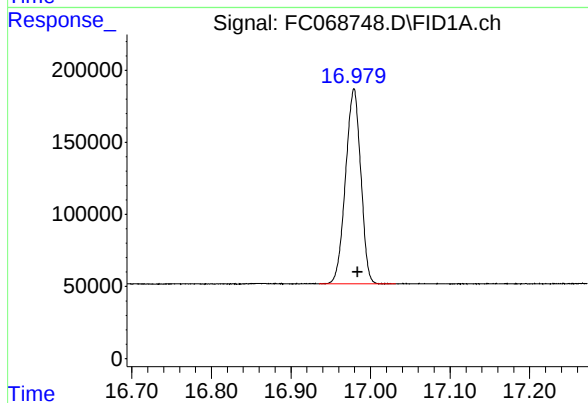
#14 n-Tetracosane (C24)

R.T.: 15.005 min
Delta R.T.: -0.005 min
Response: 1795062
Conc: 18.86 ug/ml



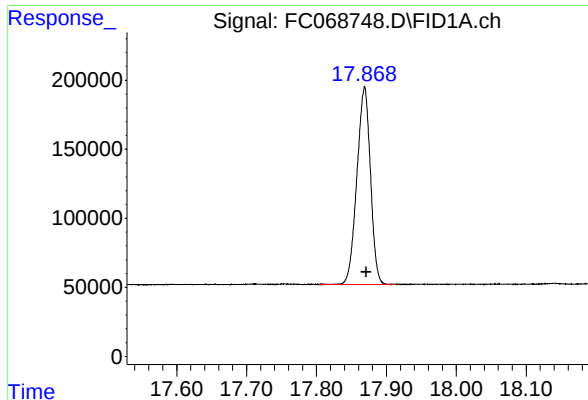
#15 n-Hexacosane (C26)

R.T.: 16.028 min
Delta R.T.: -0.004 min
Response: 1771024
Conc: 18.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.979 min
Delta R.T.: -0.005 min
Response: 1797271
Conc: 19.63 ug/ml



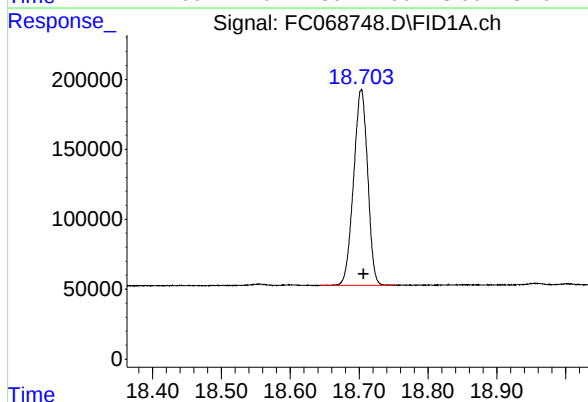
#17 n-Tricontane (C30)

R.T.: 17.869 min
Delta R.T.: -0.003 min
Response: 1924385
Conc: 20.93 ug/ml

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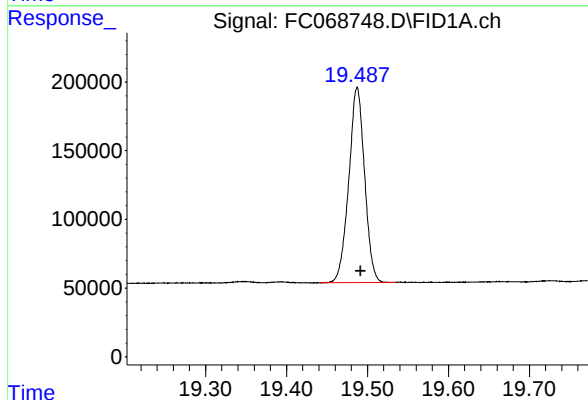
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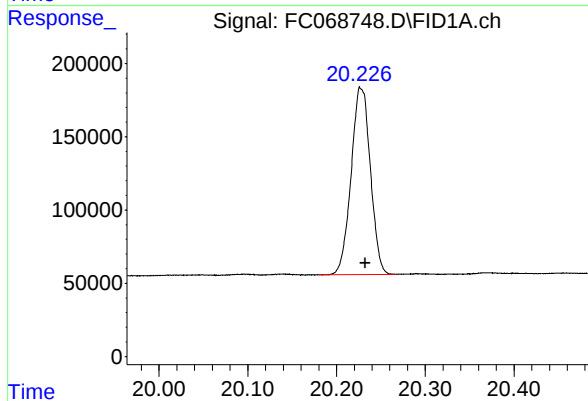
#18 n-Dotriacontane (C32)

R.T.: 18.703 min
Delta R.T.: -0.003 min
Response: 1987564
Conc: 21.67 ug/ml



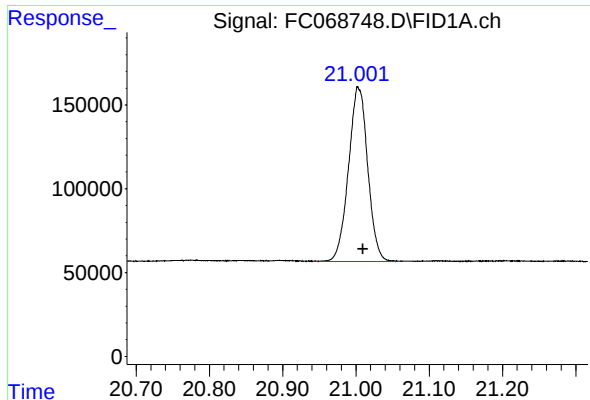
#19 n-Tetratriacontane (C34)

R.T.: 19.487 min
Delta R.T.: -0.004 min
Response: 1927750
Conc: 21.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.228 min
Delta R.T.: -0.004 min
Response: 1923073
Conc: 21.47 ug/ml



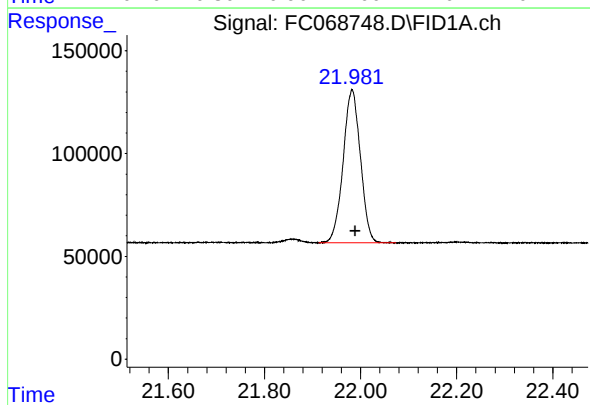
#21 n-Octatriacontane (C38)

R.T.: 21.001 min
Delta R.T.: -0.008 min
Response: 1894929
Conc: 21.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.982 min
Delta R.T.: -0.006 min
Response: 1861377
Conc: 21.08 ug/ml