

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068808.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 23:34
 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 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e
 Quant Time: May 09 09:10:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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)	11.709	2124752	18.615 ug/ml
Spiked Amount 50.000		Recovery =	37.23%
12) S 1-chlorooctadecane (S...	13.141	1552221	19.348 ug/ml
Spiked Amount 50.000		Recovery =	38.70%
Target Compounds			
1) T n-Nonane (C9)	3.442	1749315	17.392 ug/ml
2) T n-Decane (C10)	4.517	1778847	17.852 ug/ml
3) T A~Naphthalene (C11.7)	6.113	1939444	17.589 ug/ml
4) T n-Dodecane (C12)	6.542	1770752	18.222 ug/ml
5) T A~2-methylnaphthalene...	7.172	1915478	17.846 ug/ml
6) T n-Tetradecane (C14)	8.338	1737987	18.804 ug/ml
7) T n-Hexadecane (C16)	9.942	1733723	19.362 ug/ml
8) T n-Octadecane (C18)	11.385	1717922	19.585 ug/ml
10) T n-Eicosane (C20)	12.695	1680489	19.720 ug/ml
11) T n-Heneicosane (C21)	13.308	1663208	19.719 ug/ml
13) T n-Docosane (C22)	13.894	1657060	19.808 ug/ml
14) T n-Tetracosane (C24)	14.998	1653318	19.870 ug/ml
15) T n-Hexacosane (C26)	16.020	1646159	19.868 ug/ml
16) T n-Octacosane (C28)	16.971	1718109	20.789 ug/ml
17) T n-Tricontane (C30)	17.860	1913841	22.619 ug/ml
18) T n-Dotriacontane (C32)	18.695	2001506	23.237 ug/ml
19) T n-Tetratriacontane (C34)	19.478	1900896	22.311 ug/ml
20) T n-Hexatriacontane (C36)	20.219	1848438	21.506 ug/ml
21) T n-Octatriacontane (C38)	20.992	1770740	21.109 ug/mlm
22) T n-Tetracontane (C40)	21.970	1714821	20.924 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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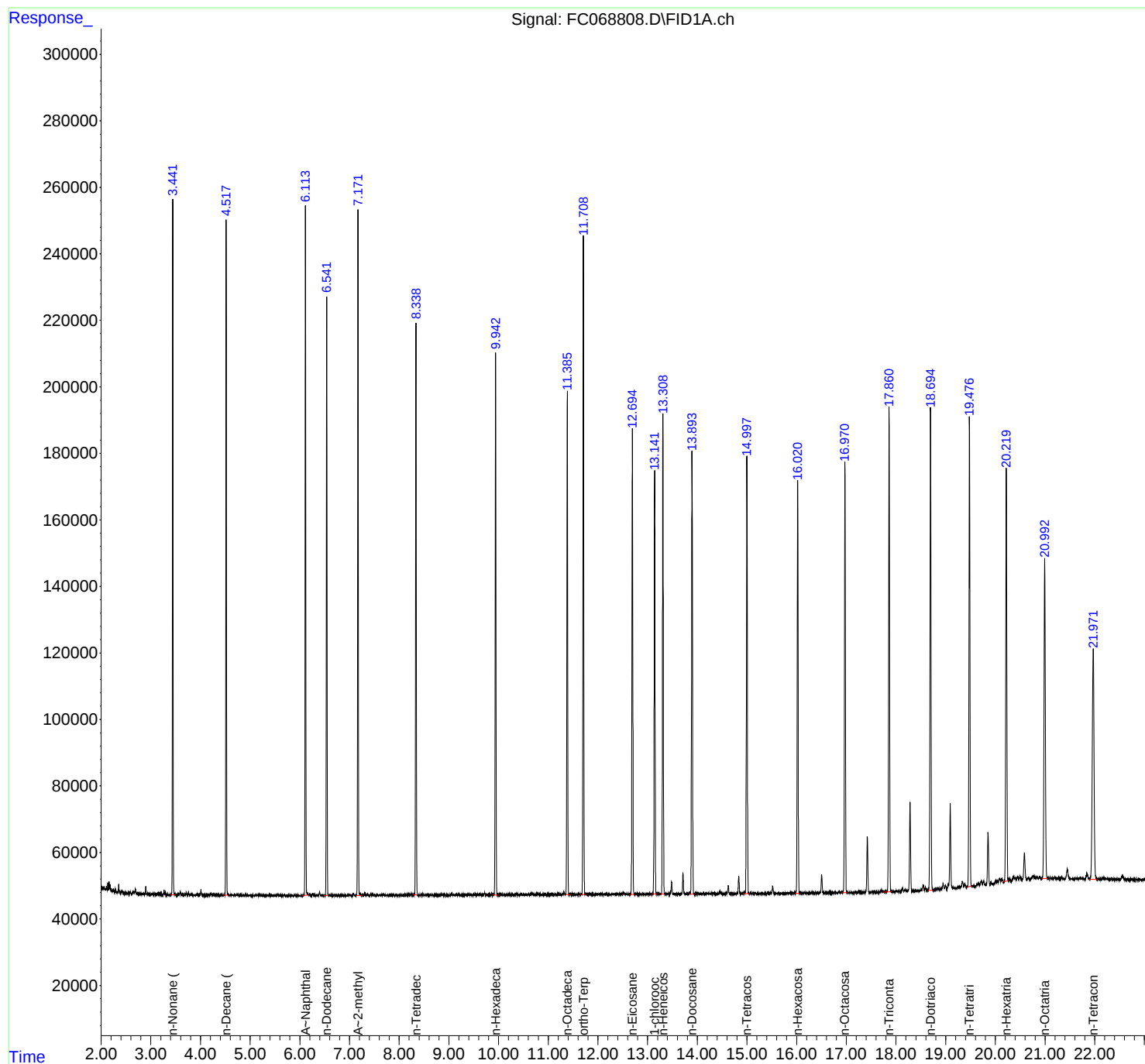
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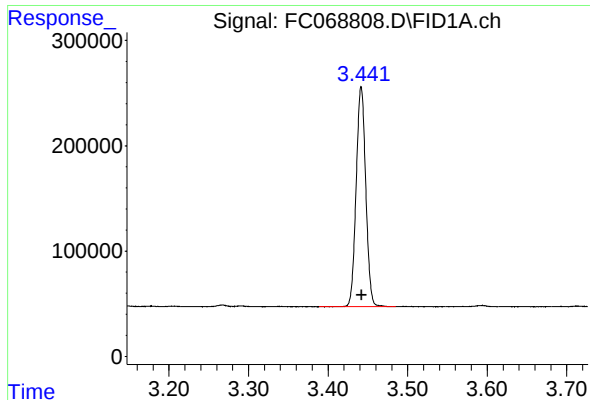
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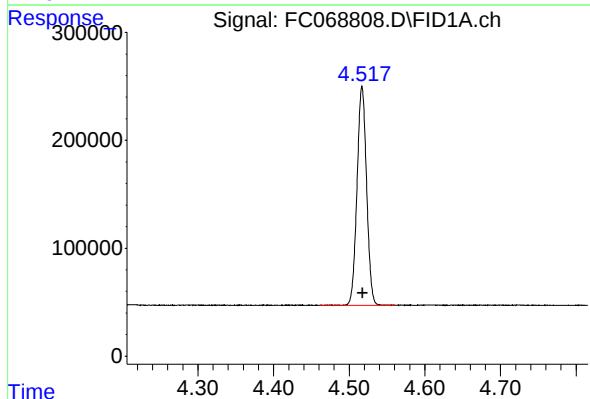
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 1749315
Conc: 17.39 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

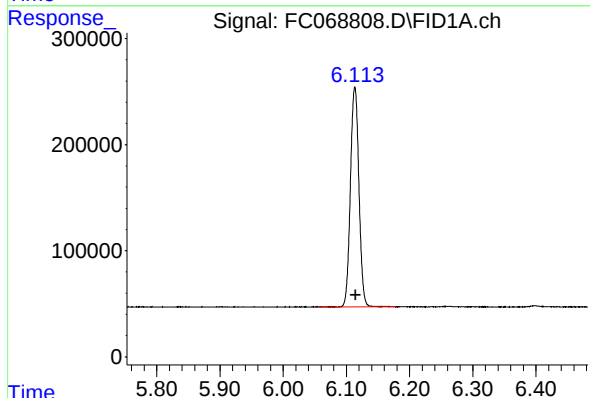
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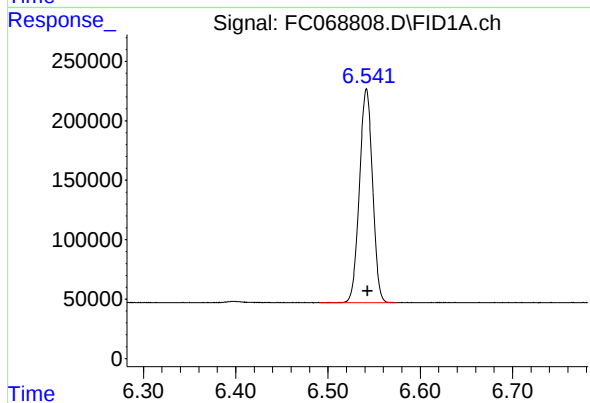
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 1778847
Conc: 17.85 ug/ml



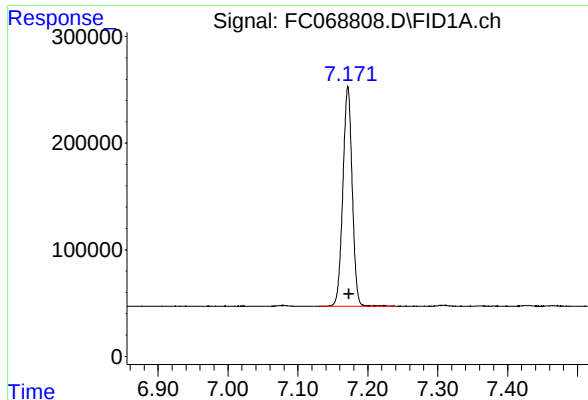
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.001 min
Response: 1939444
Conc: 17.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.542 min
Delta R.T.: -0.001 min
Response: 1770752
Conc: 18.22 ug/ml



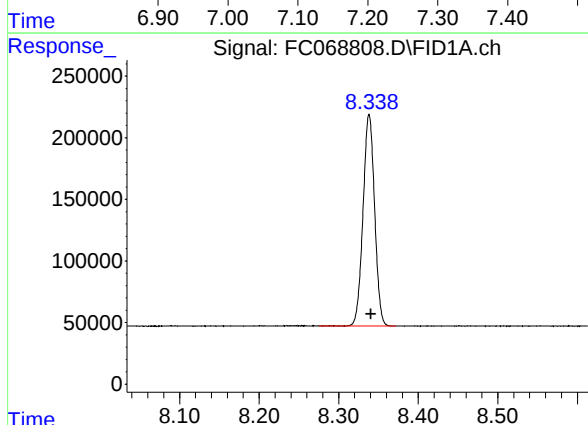
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.172 min
Delta R.T.: -0.002 min
Response: 1915478
Conc: 17.85 ug/ml

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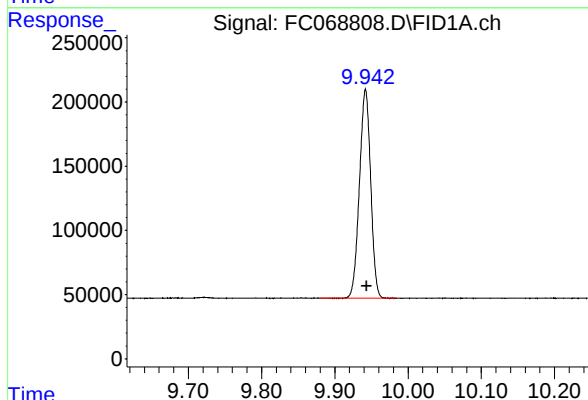
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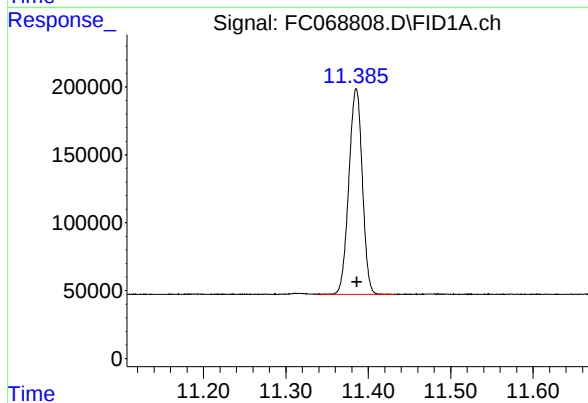
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.002 min
Response: 1737987
Conc: 18.80 ug/ml



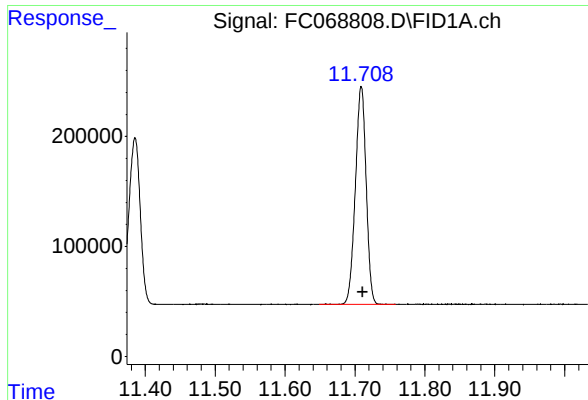
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: -0.002 min
Response: 1733723
Conc: 19.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 1717922
Conc: 19.58 ug/ml



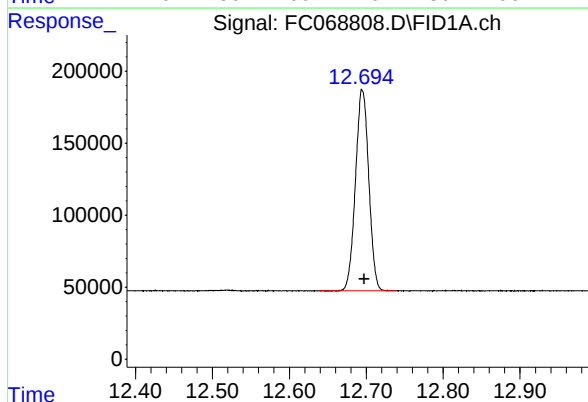
#9 ortho-Terphenyl (SURR)

R.T.: 11.709 min
Delta R.T.: -0.002 min
Response: 2124752
Conc: 18.62 ug/ml

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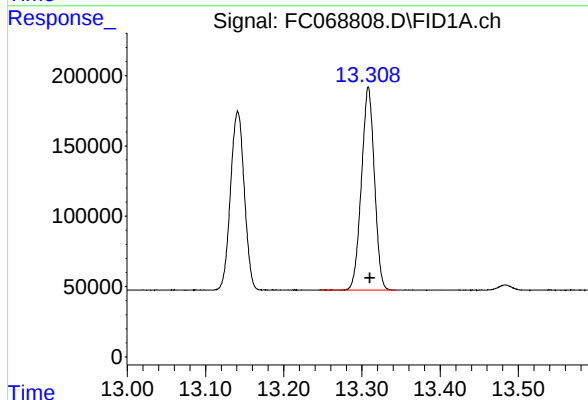
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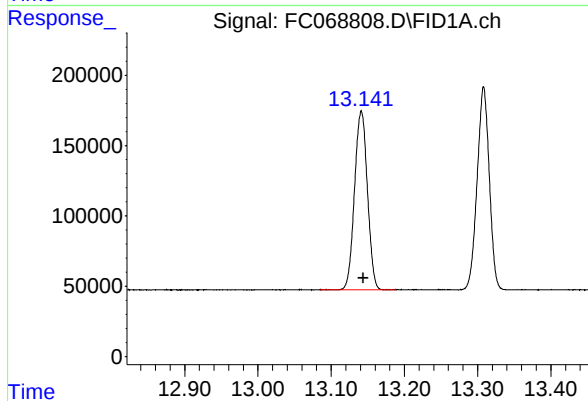
#10 n-Eicosane (C20)

R.T.: 12.695 min
Delta R.T.: -0.002 min
Response: 1680489
Conc: 19.72 ug/ml



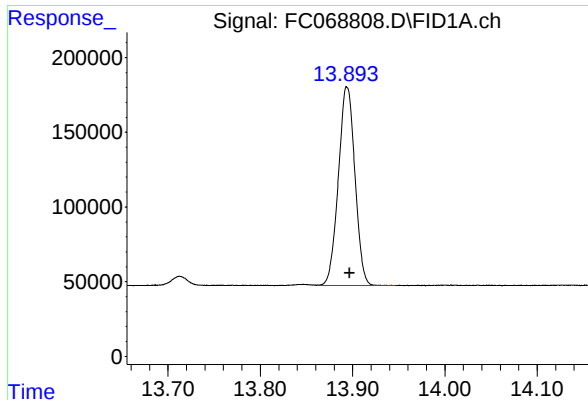
#11 n-Heneicosane (C21)

R.T.: 13.308 min
Delta R.T.: -0.002 min
Response: 1663208
Conc: 19.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.141 min
Delta R.T.: -0.003 min
Response: 1552221
Conc: 19.35 ug/ml



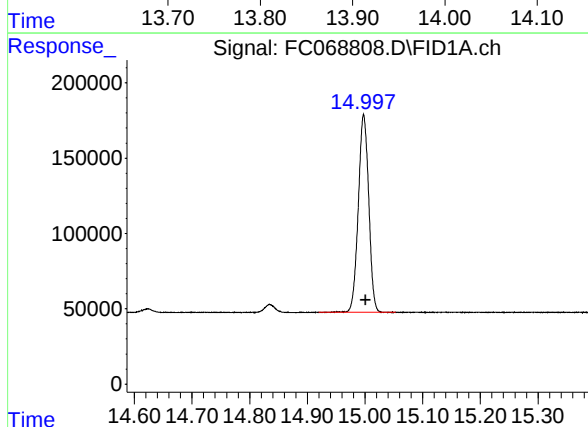
#13 n-Docosane (C22)

R.T.: 13.894 min
Delta R.T.: -0.003 min
Response: 1657060
Conc: 19.81 ug/ml

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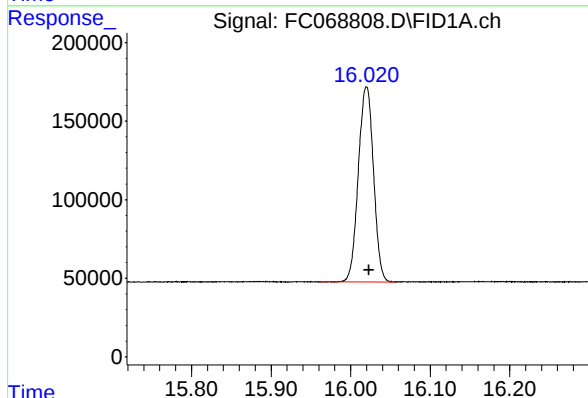
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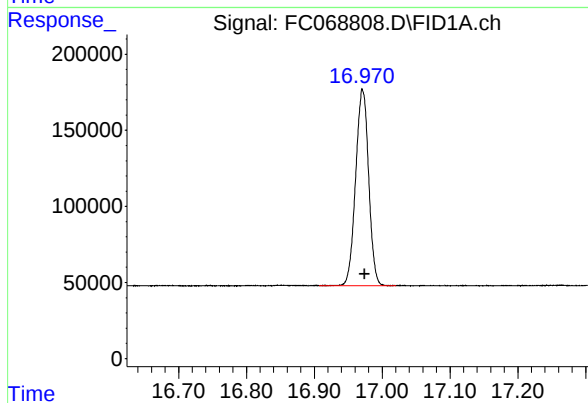
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.003 min
Response: 1653318
Conc: 19.87 ug/ml



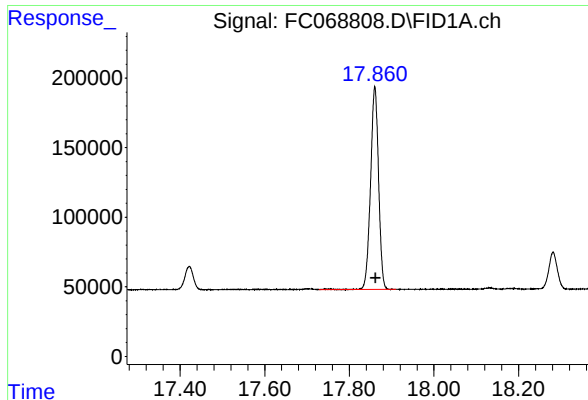
#15 n-Hexacosane (C26)

R.T.: 16.020 min
Delta R.T.: -0.003 min
Response: 1646159
Conc: 19.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.971 min
Delta R.T.: -0.003 min
Response: 1718109
Conc: 20.79 ug/ml



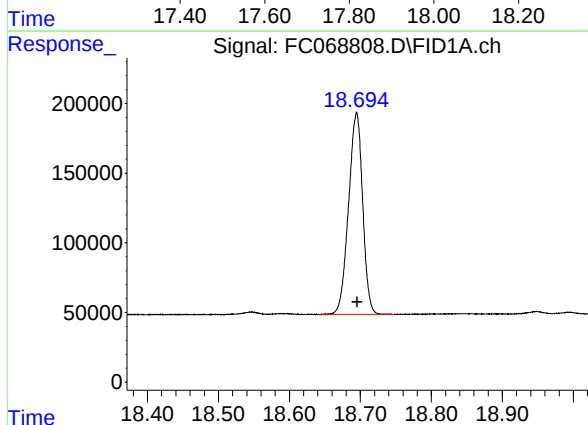
#17 n-Tricontane (C30)

R.T.: 17.860 min
Delta R.T.: -0.002 min
Response: 1913841
Conc: 22.62 ug/ml

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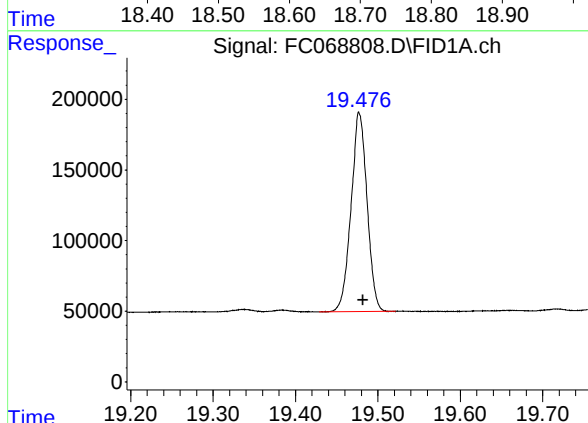
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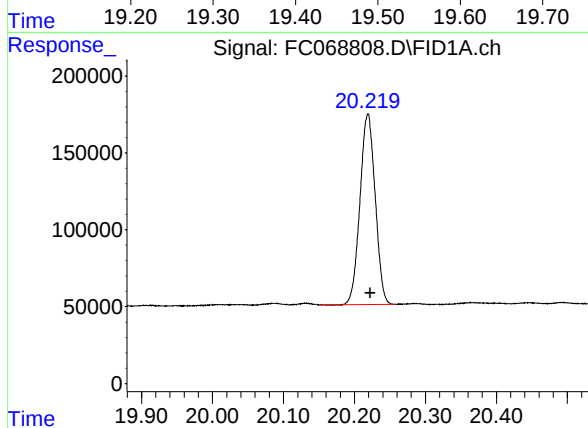
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 2001506
Conc: 23.24 ug/ml



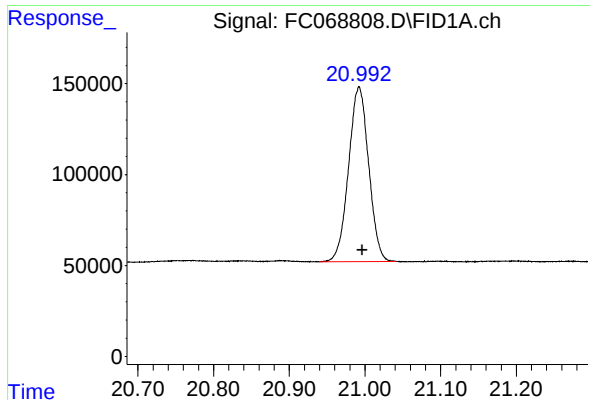
#19 n-Tetatriacontane (C34)

R.T.: 19.478 min
Delta R.T.: -0.004 min
Response: 1900896
Conc: 22.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.219 min
Delta R.T.: -0.004 min
Response: 1848438
Conc: 21.51 ug/ml



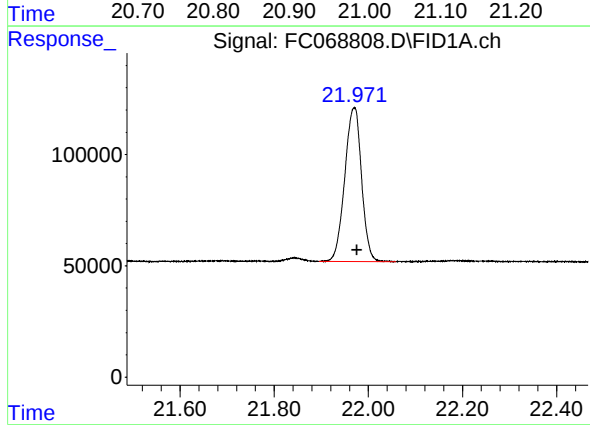
#21 n-Octatriacontane (C38)

R.T.: 20.992 min
Delta R.T.: -0.004 min
Response: 1770740
Conc: 21.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.005 min
Response: 1714821
Conc: 20.92 ug/ml