

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011425AL\
 Data File : FE051908.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jan 2025 08:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Ankita Jodhani 01/15/2025

Integration File: autoint1.e
 Quant Time: Jan 15 01:23:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 13:43:24 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)	12.153	2652525	18.300 ug/ml
Spiked Amount 50.000		Recovery =	36.60%
12) S 1-chlorooctadecane (S...	13.578	2081865	18.117 ug/ml
Spiked Amount 50.000		Recovery =	36.23%
Target Compounds			
1) T n-Nonane (C9)	3.570	1973962	17.871 ug/ml
2) T n-Decane (C10)	4.810	2055908	18.067 ug/ml
3) T A~Naphthalene (C11.7)	6.516	2349050	18.419 ug/ml
4) T n-Dodecane (C12)	6.960	2150676	18.314 ug/ml
5) T A~2-methylnaphthalene...	7.605	2323968	18.568 ug/ml
6) T n-Tetradecane (C14)	8.782	2223724	18.547 ug/ml
7) T n-Hexadecane (C16)	10.384	2382622	18.618 ug/ml
8) T n-Octadecane (C18)	11.824	2472847	18.584 ug/mlm
10) T n-Eicosane (C20)	13.132	2430720	18.474 ug/ml
11) T n-Heneicosane (C21)	13.743	2389390	18.181 ug/ml
13) T n-Docosane (C22)	14.328	2432818	18.544 ug/ml
14) T n-Tetracosane (C24)	15.430	2503099	18.897 ug/ml
15) T n-Hexacosane (C26)	16.450	2505259	19.093 ug/ml
16) T n-Octacosane (C28)	17.399	2484308	19.241 ug/ml
17) T n-Tricontane (C30)	18.284	2552478	19.416 ug/ml
18) T n-Dotriacontane (C32)	19.116	2425751	19.114 ug/ml
19) T n-Tetratriacontane (C34)	19.897	2027051	18.244 ug/ml
20) T n-Hexatriacontane (C36)	20.635	1697783	17.209 ug/ml
21) T n-Octatriacontane (C38)	21.422	1600722	16.907 ug/mlm
22) T n-Tetracontane (C40)	22.424	1596000	17.338 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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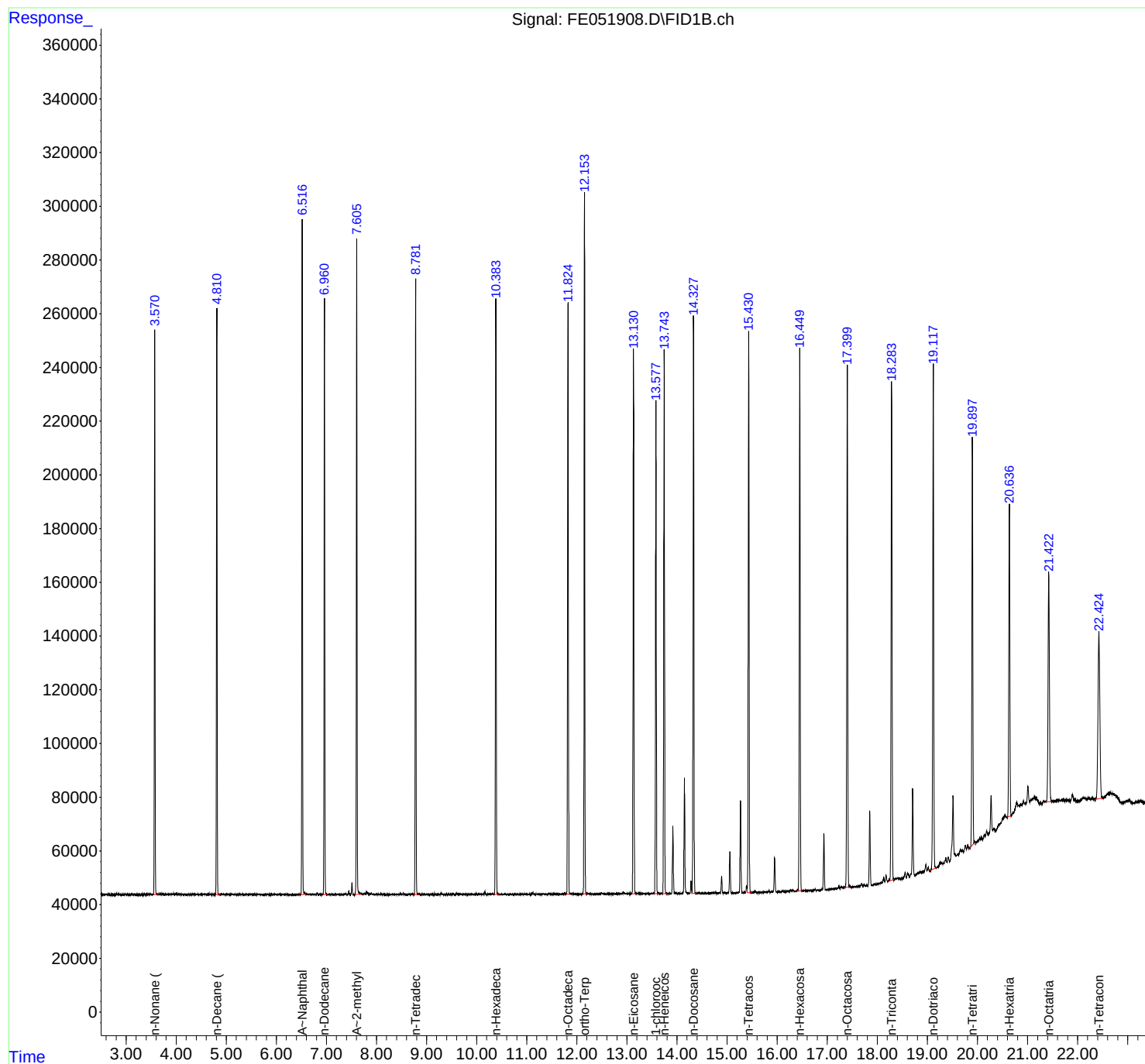
Instrument :
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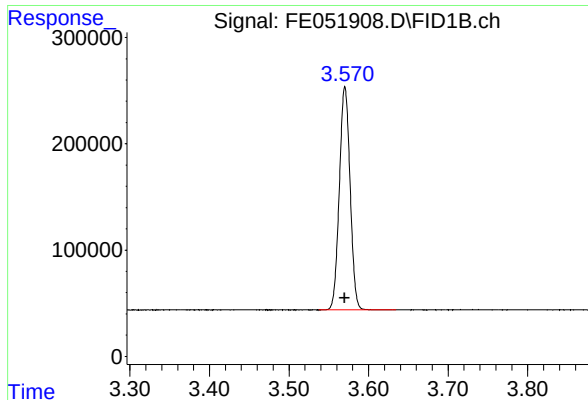
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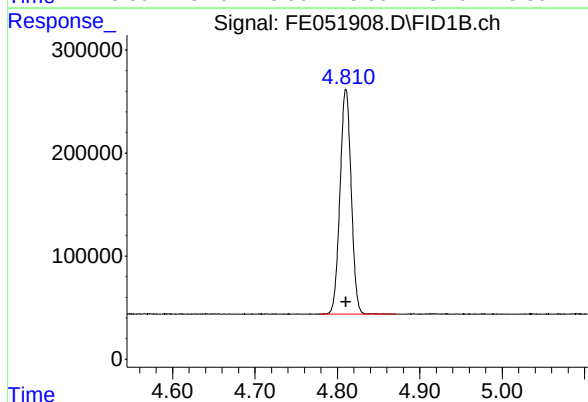
#1 n-Nonane (C9)

R.T.: 3.570 min
Delta R.T.: 0.000 min
Response: 1973962
Conc: 17.87 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

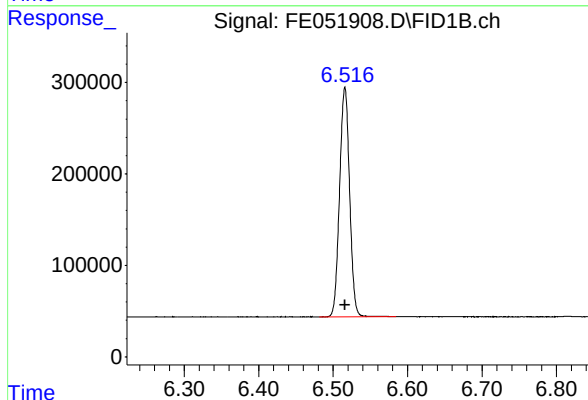
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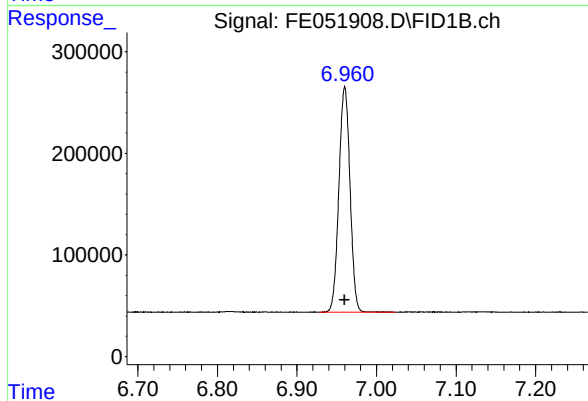
#2 n-Decane (C10)

R.T.: 4.810 min
Delta R.T.: 0.000 min
Response: 2055908
Conc: 18.07 ug/ml



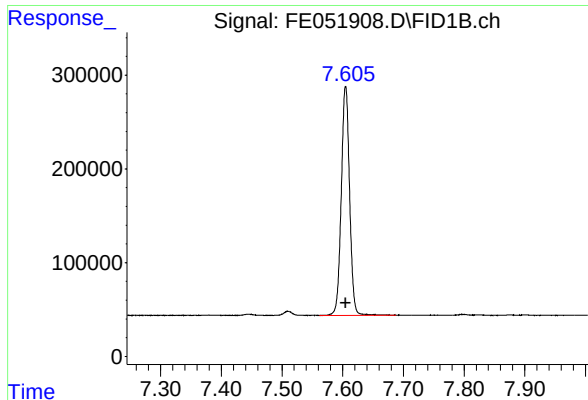
#3 A~Naphthalene (C11.7)

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 2349050
Conc: 18.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.960 min
Delta R.T.: 0.000 min
Response: 2150676
Conc: 18.31 ug/ml



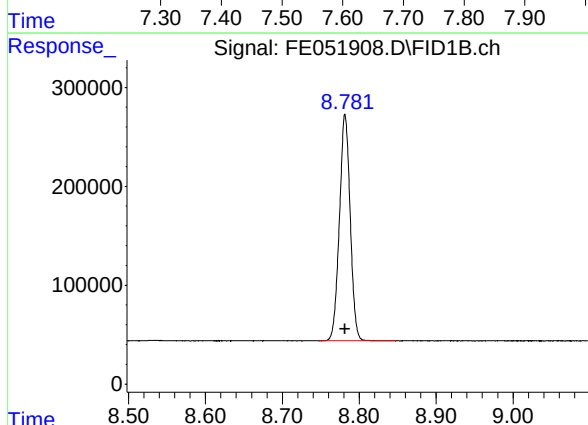
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 2323968
Conc: 18.57 ug/ml

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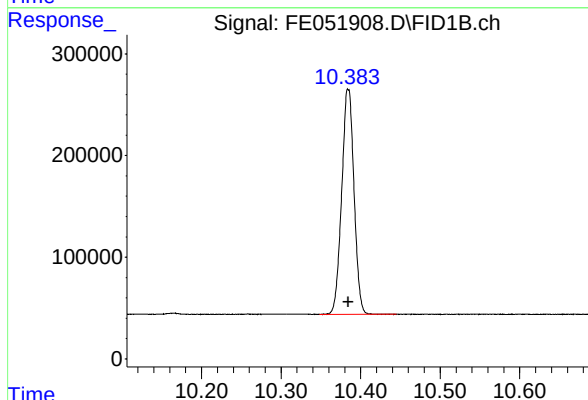
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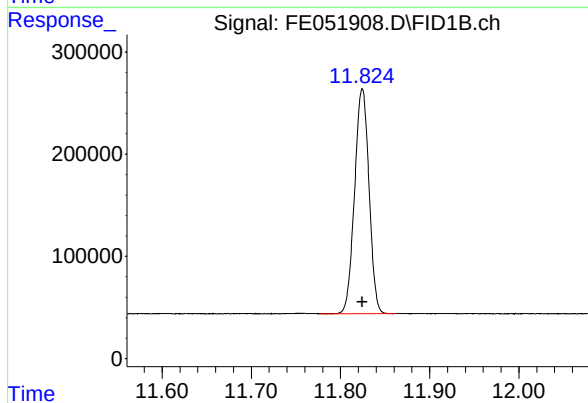
#6 n-Tetradecane (C14)

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 2223724
Conc: 18.55 ug/ml



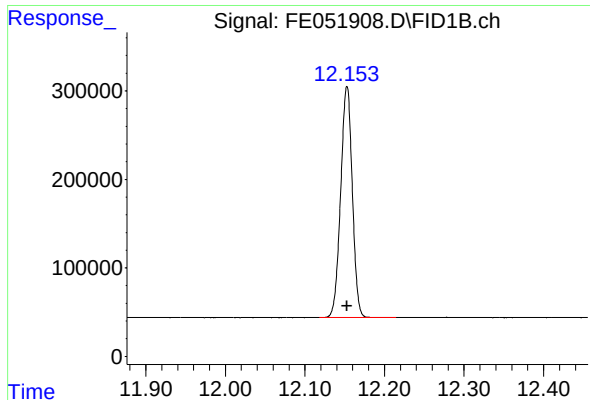
#7 n-Hexadecane (C16)

R.T.: 10.384 min
Delta R.T.: 0.000 min
Response: 2382622
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.824 min
Delta R.T.: 0.000 min
Response: 2472847
Conc: 18.58 ug/ml m



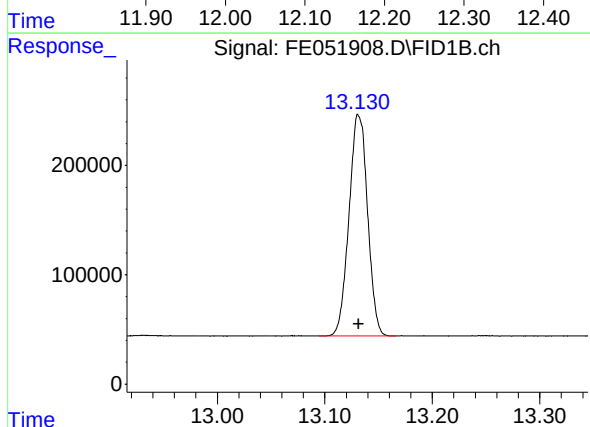
#9 ortho-Terphenyl (SURR)

R.T.: 12.153 min
Delta R.T.: 0.000 min
Response: 2652525
Conc: 18.30 ug/ml

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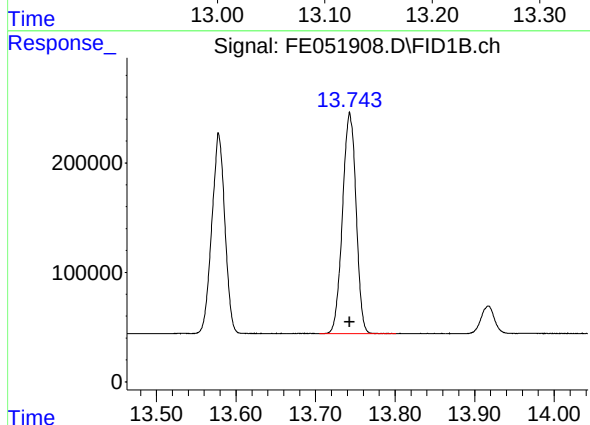
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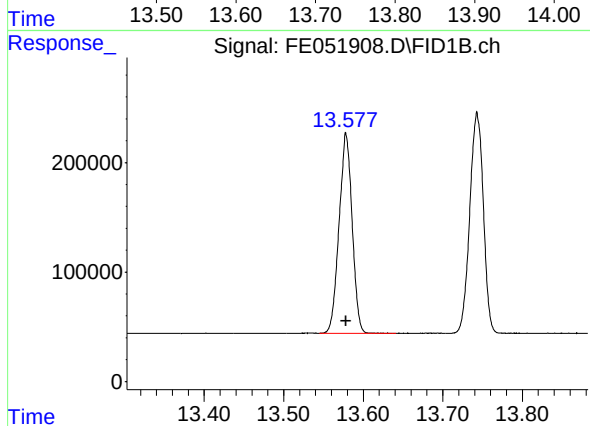
#10 n-Eicosane (C20)

R.T.: 13.132 min
Delta R.T.: 0.000 min
Response: 2430720
Conc: 18.47 ug/ml



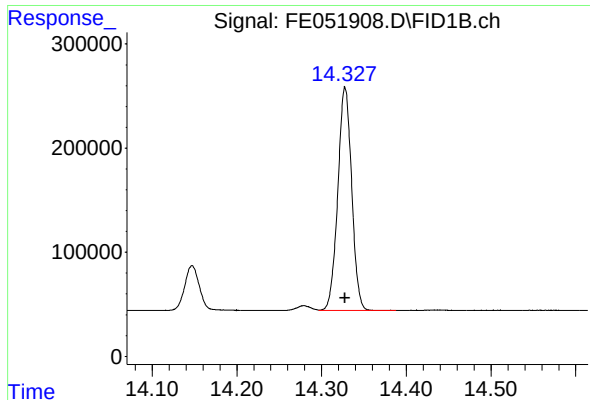
#11 n-Heneicosane (C21)

R.T.: 13.743 min
Delta R.T.: 0.000 min
Response: 2389390
Conc: 18.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.578 min
Delta R.T.: 0.000 min
Response: 2081865
Conc: 18.12 ug/ml



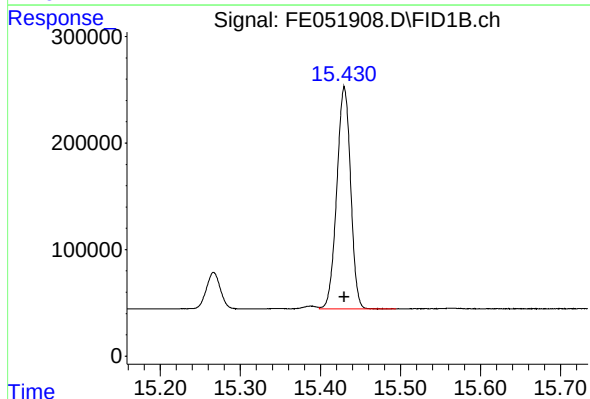
#13 n-Docosane (C22)

R.T.: 14.328 min
Delta R.T.: 0.000 min
Response: 2432818
Conc: 18.54 ug/ml

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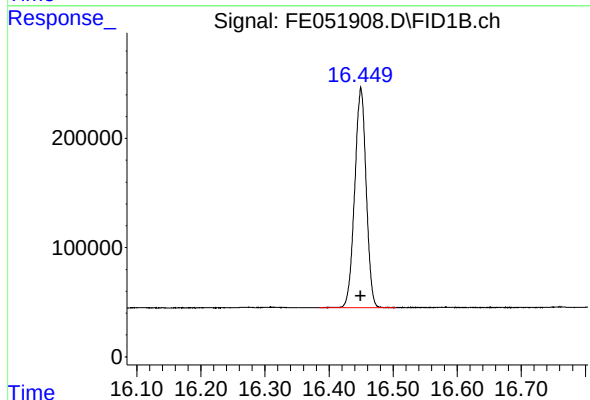
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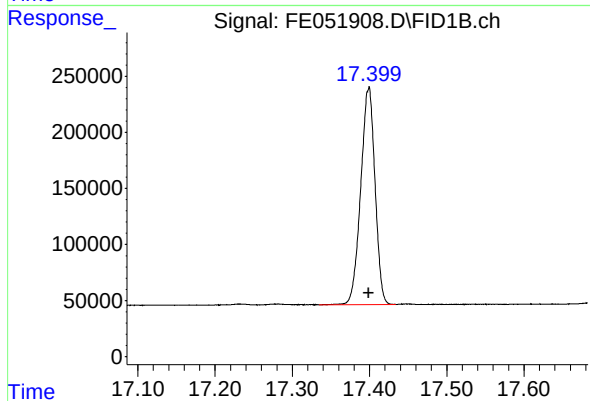
#14 n-Tetracosane (C24)

R.T.: 15.430 min
Delta R.T.: 0.000 min
Response: 2503099
Conc: 18.90 ug/ml



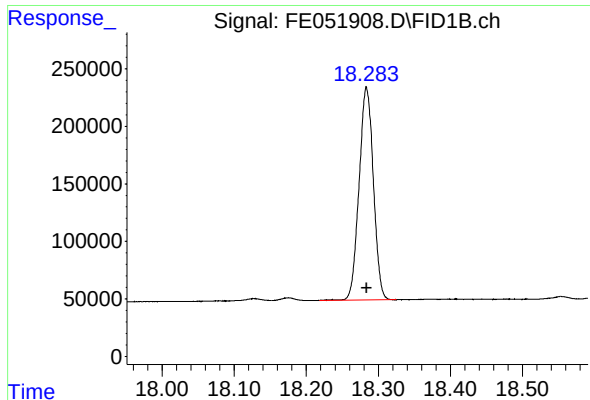
#15 n-Hexacosane (C26)

R.T.: 16.450 min
Delta R.T.: 0.000 min
Response: 2505259
Conc: 19.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.399 min
Delta R.T.: 0.000 min
Response: 2484308
Conc: 19.24 ug/ml



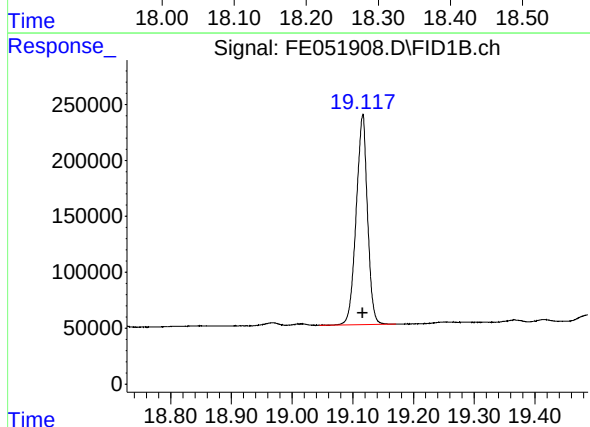
#17 n-Tricontane (C30)

R.T.: 18.284 min
Delta R.T.: 0.000 min
Response: 2552478
Conc: 19.42 ug/ml

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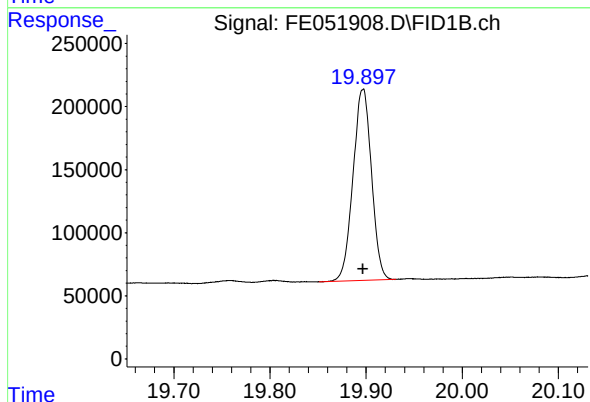
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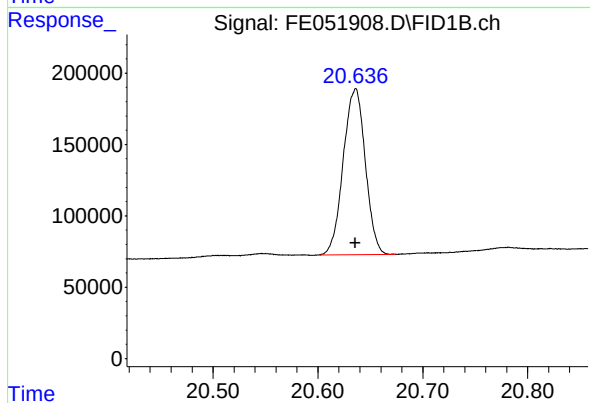
#18 n-Dotriacontane (C32)

R.T.: 19.116 min
Delta R.T.: 0.000 min
Response: 2425751
Conc: 19.11 ug/ml



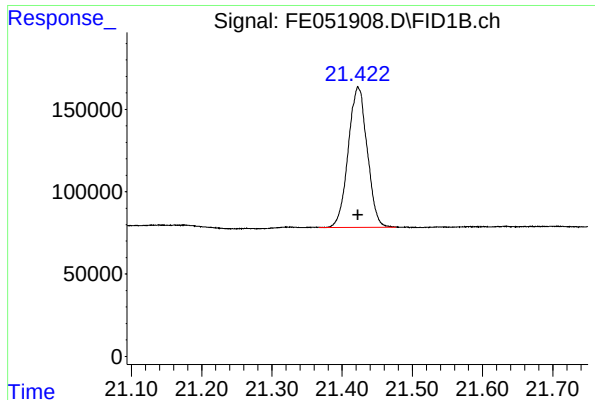
#19 n-Tetratriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.000 min
Response: 2027051
Conc: 18.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.635 min
Delta R.T.: 0.000 min
Response: 1697783
Conc: 17.21 ug/ml



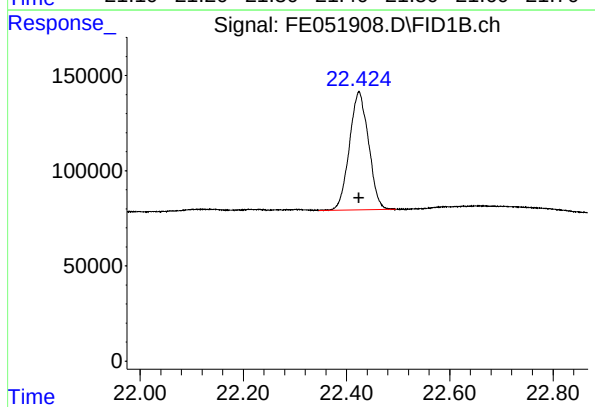
#21 n-Octatriacontane (C38)

R.T.: 21.422 min
Delta R.T.: 0.000 min
Response: 1600722
Conc: 16.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.424 min
Delta R.T.: 0.000 min
Response: 1596000
Conc: 17.34 ug/ml m