Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031021AL\
Data File : FC052365.D
Signal(s) : FID1A.CH
Acq On : 11 Mar 2021 7:12
Operator : DD\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
Ankita
3/11/2021 3:44:31 PM

Integration File: autoint1.e
Quant Time: Mar 11 07:36:01 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 030321.M
Quant Title : GC Extractables
QLast Update : Thu Mar 04 03:56:17 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.615	2295719	17.408 ug/ml
Spiked Amount	50.000		Recovery =	34.82%
12) S	1-chlorooctadecane (S...	13.052	1782467	17.139 ug/ml
Spiked Amount	50.000		Recovery =	34.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.354	2264704	19.213 ug/ml
2) T	n-Decane (C10)	4.425	2282980	19.223 ug/ml
3) T	A~Naphthalene (C11.7)	6.017	2547234	19.184 ug/ml
4) T	n-Dodecane (C12)	6.448	2322457	19.212 ug/ml
5) T	A~2-methylnaphthalene...	7.077	2580854	19.014 ug/ml
6) T	n-Tetradecane (C14)	8.248	2305120	19.012 ug/ml
7) T	n-Hexadecane (C16)	9.851	2230308	18.640 ug/ml
8) T	n-Octadecane (C18)	11.295	2247959	18.160 ug/ml
10) T	n-Eicosane (C20)	12.607	2161933	17.546 ug/ml
11) T	n-Heneicosane (C21)	13.219	2104620	17.241 ug/ml
13) T	n-Docosane (C22)	13.806	2058828	17.111 ug/ml
14) T	n-Tetracosane (C24)	14.910	1941032	16.649 ug/ml
15) T	n-Hexacosane (C26)	15.931	1830409	16.662 ug/ml
16) T	n-Octacosane (C28)	16.881	1768442	17.253 ug/ml
17) T	n-Tricontane (C30)	17.769	1739147	18.474 ug/ml
18) T	n-Dotriacontane (C32)	18.602	1680551	19.683 ug/ml
19) T	n-Tetratriacontane (C34)	19.385	1651452	21.301 ug/ml
20) T	n-Hexatriacontane (C36)	20.125	1585405	22.063 ug/ml
21) T	n-Octatriacontane (C38)	20.867	1528168	22.309 ug/mlm
22) T	n-Tetracontane (C40)	21.792	1611540	22.411 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

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Misc :
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Instrument :
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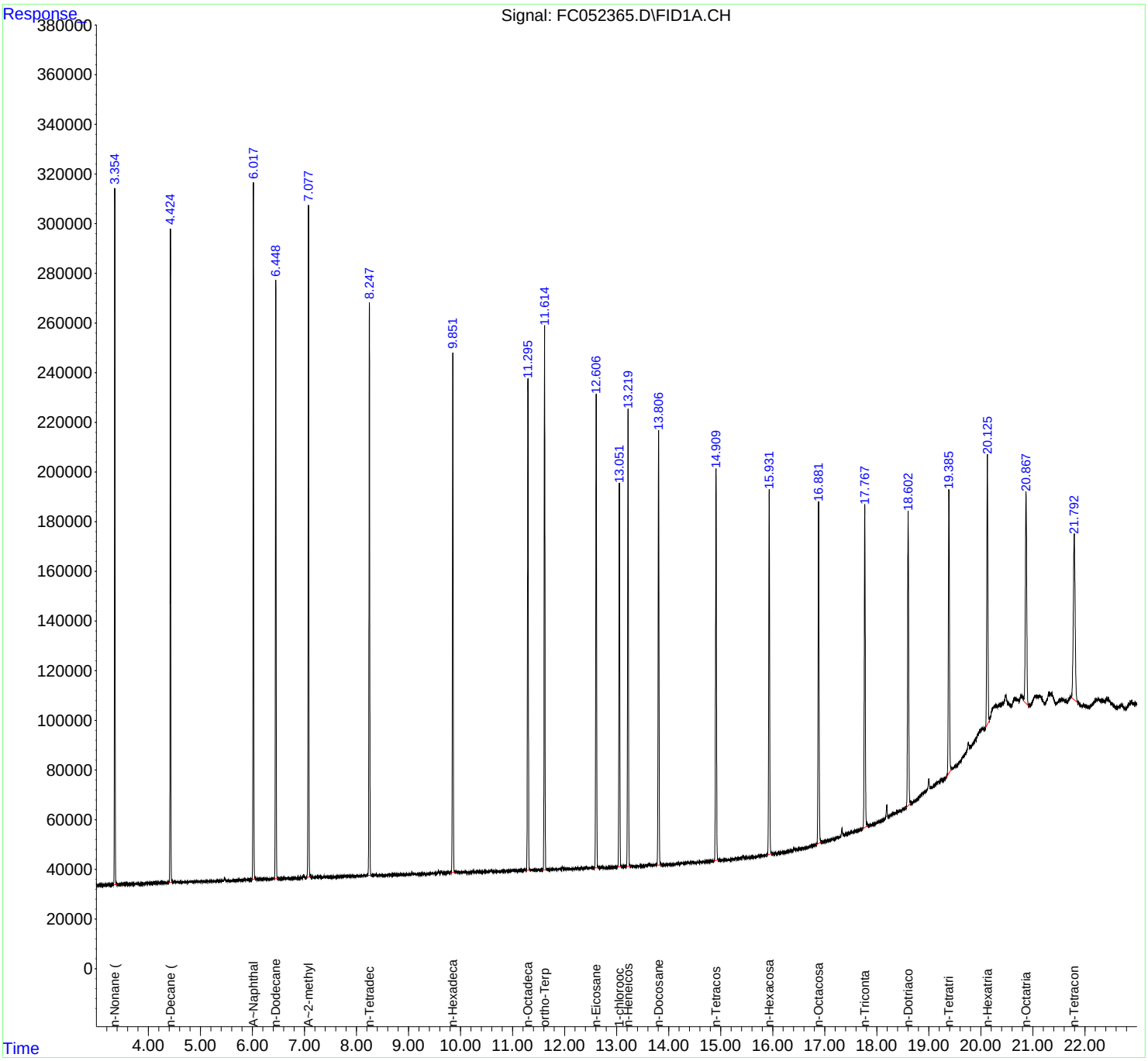
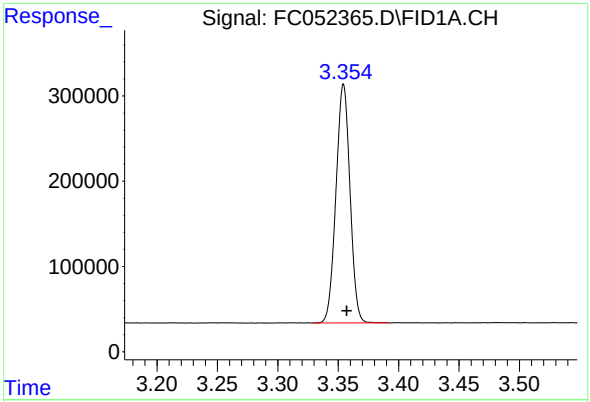
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.354 min
Delta R.T.: -0.003 min
Response: 2264704
Conc: 19.21 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED
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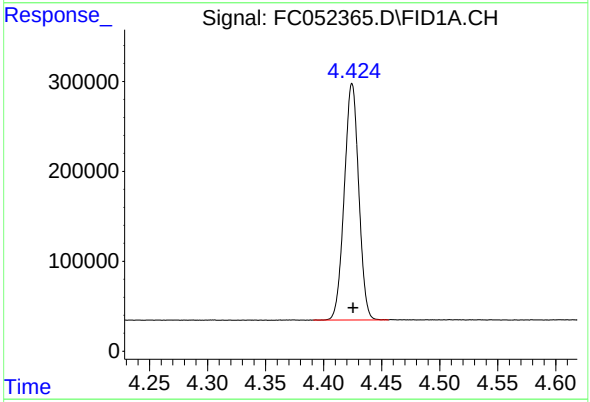
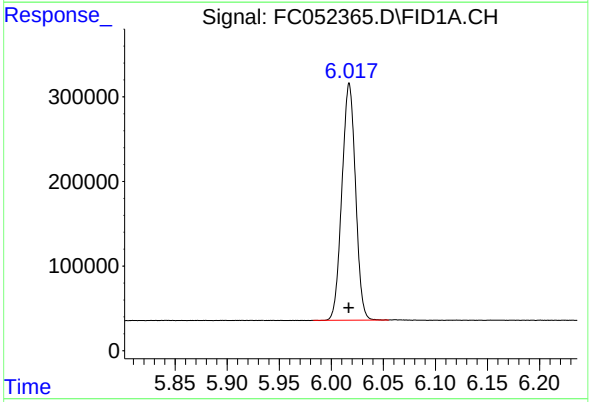


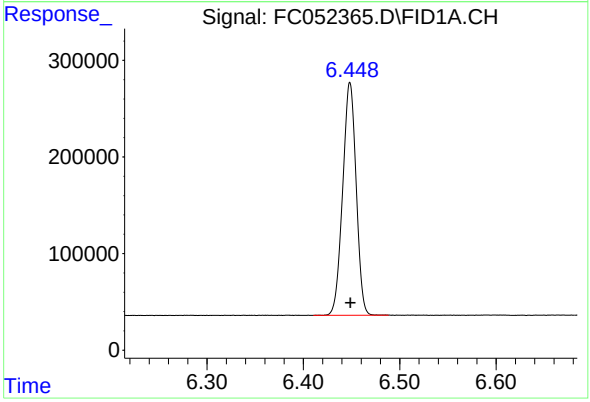
#2 n-Decane (C10)

R.T.: 4.425 min
Delta R.T.: 0.000 min
Response: 2282980
Conc: 19.22 ug/ml



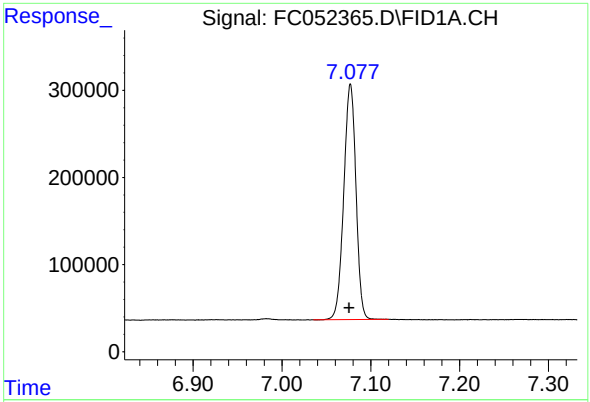
#3 A~Naphthalene (C11.7)

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 2547234
Conc: 19.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 2322457
Conc: 19.21 ug/ml



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

R.T.: 7.077 min
Delta R.T.: 0.002 min
Response: 2580854
Conc: 19.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

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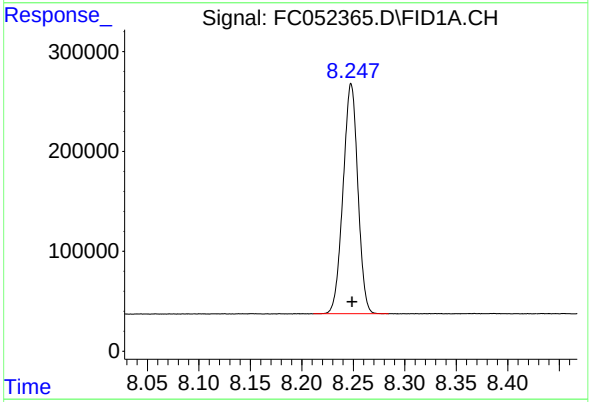
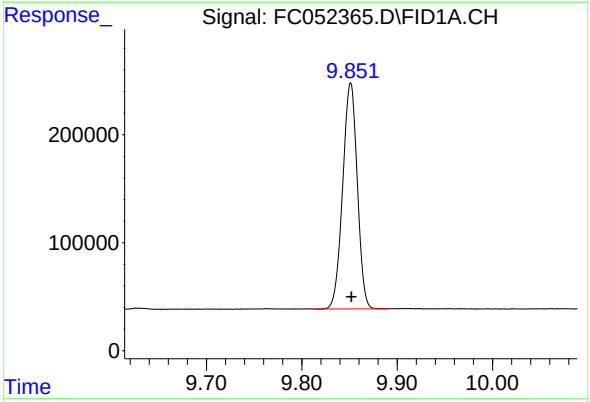


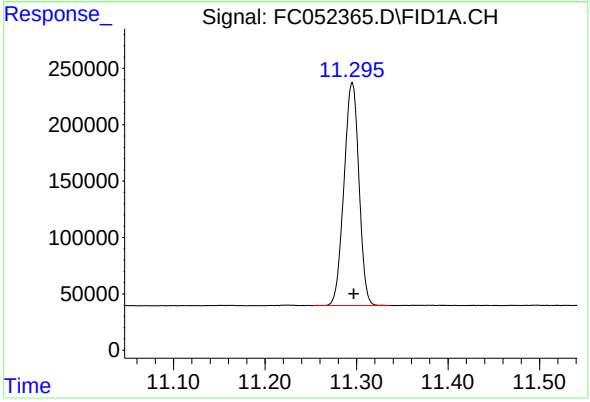
#6 n-Tetradecane (C14)

R.T.: 8.248 min
Delta R.T.: 0.000 min
Response: 2305120
Conc: 19.01 ug/ml



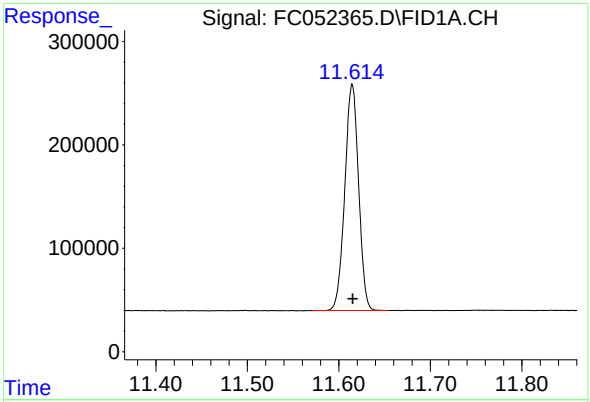
#7 n-Hexadecane (C16)

R.T.: 9.851 min
Delta R.T.: 0.000 min
Response: 2230308
Conc: 18.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.295 min
Delta R.T.: -0.001 min
Response: 2247959
Conc: 18.16 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.615 min
Delta R.T.: 0.000 min
Response: 2295719
Conc: 17.41 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

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Ankita
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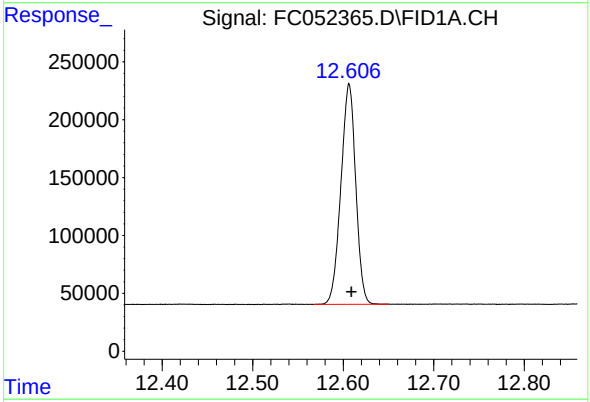
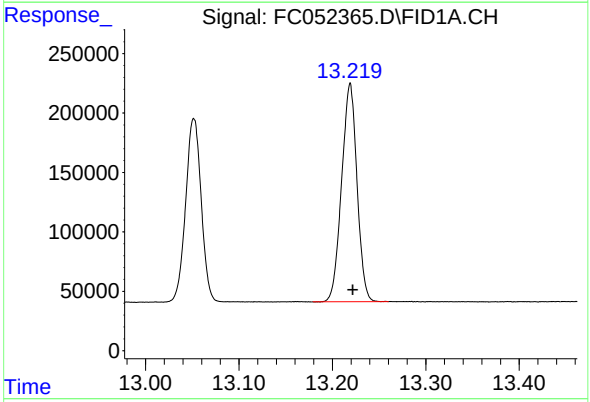


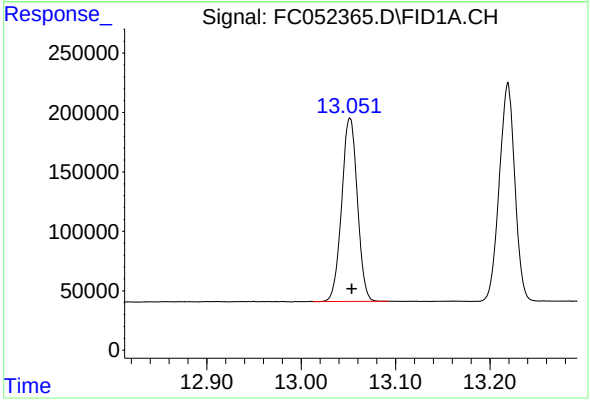
#10 n-Eicosane (C20)

R.T.: 12.607 min
Delta R.T.: -0.003 min
Response: 2161933
Conc: 17.55 ug/ml



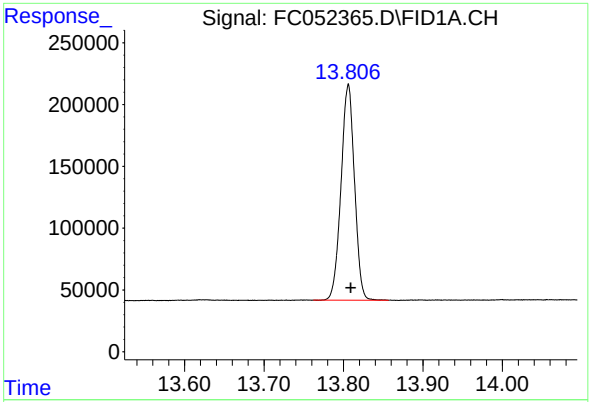
#11 n-Heneicosane (C21)

R.T.: 13.219 min
Delta R.T.: -0.003 min
Response: 2104620
Conc: 17.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.052 min
Delta R.T.: -0.002 min
Response: 1782467
Conc: 17.14 ug/ml



#13 n-Docosane (C22)

R.T.: 13.806 min
Delta R.T.: -0.003 min
Response: 2058828
Conc: 17.11 ug/ml

Instrument :
FID_C
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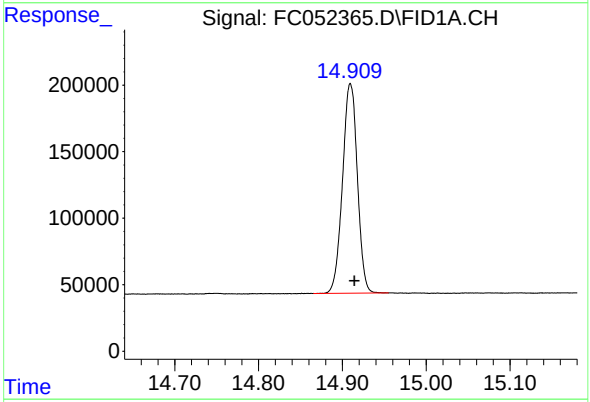
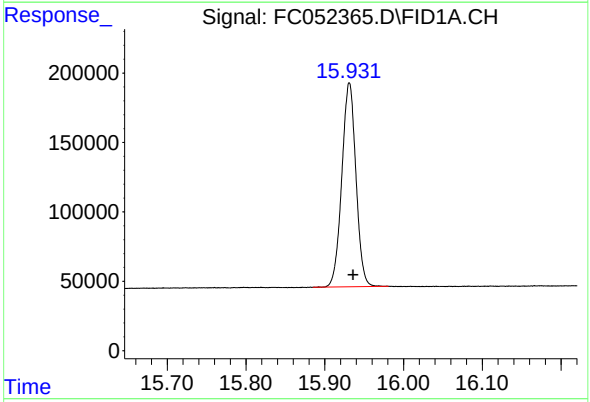


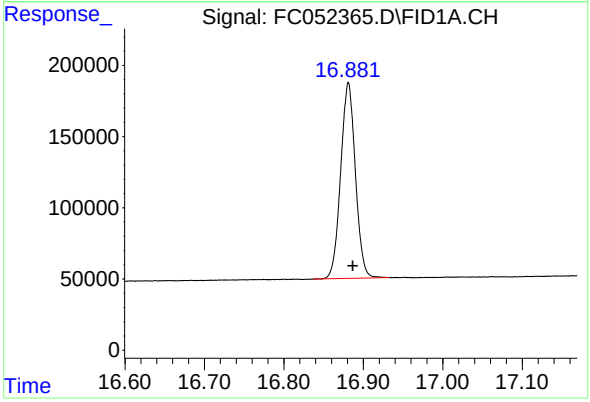
#14 n-Tetracosane (C24)

R.T.: 14.910 min
Delta R.T.: -0.005 min
Response: 1941032
Conc: 16.65 ug/ml



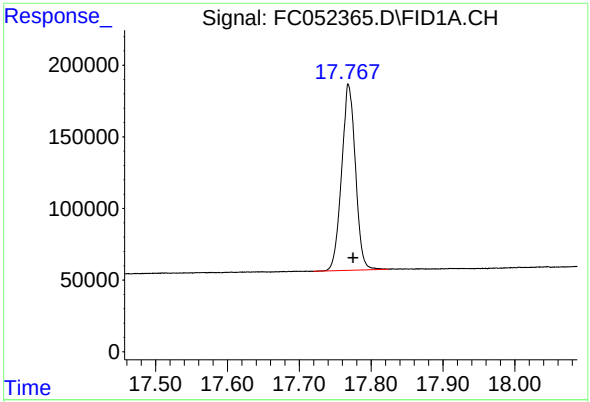
#15 n-Hexacosane (C26)

R.T.: 15.931 min
Delta R.T.: -0.005 min
Response: 1830409
Conc: 16.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.881 min
Delta R.T.: -0.005 min
Response: 1768442
Conc: 17.25 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.769 min
Delta R.T.: -0.006 min
Response: 1739147
Conc: 18.47 ug/ml

Instrument :
FID_C
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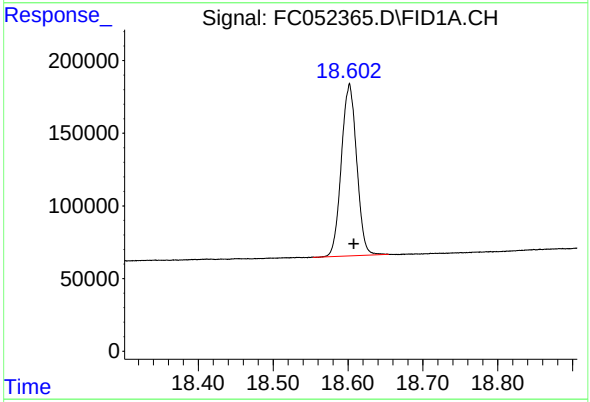
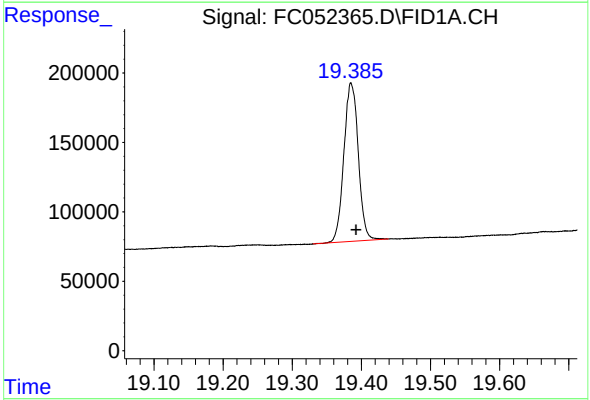


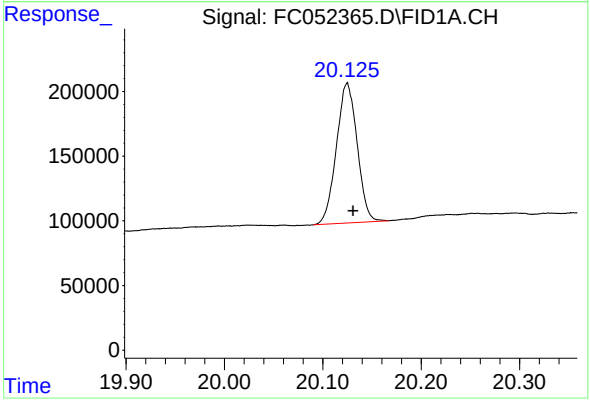
#18 n-Dotriacontane (C32)

R.T.: 18.602 min
Delta R.T.: -0.005 min
Response: 1680551
Conc: 19.68 ug/ml



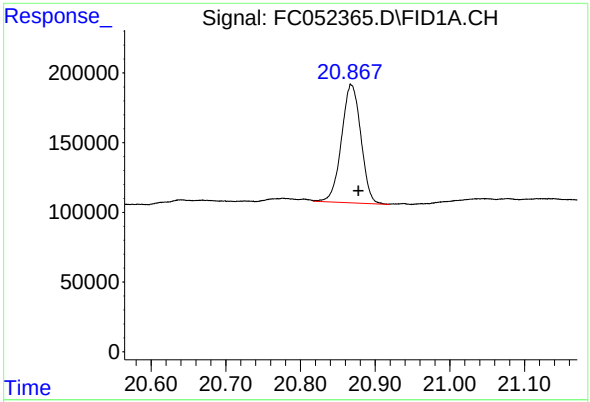
#19 n-Tetratriacontane (C34)

R.T.: 19.385 min
Delta R.T.: -0.007 min
Response: 1651452
Conc: 21.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.125 min
Delta R.T.: -0.006 min
Response: 1585405
Conc: 22.06 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.867 min
Delta R.T.: -0.011 min
Response: 1528168
Conc: 22.31 ug/ml m

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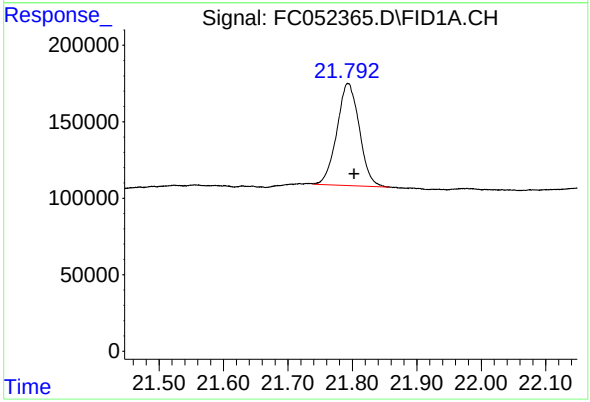

#22 n-Tetracontane (C40)

R.T.: 21.792 min
Delta R.T.: -0.011 min
Response: 1611540
Conc: 22.41 ug/ml m