

Initial Calibration Report for SequenceID : FE020325AL

AreaCount

Parameter Range	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.D	
Aliphatic C9-C12	26698626.000	13878232.000	5898544.000	2891008.000	1570933.000	
Aliphatic C12-C16	19526889.000	10148092.000	4289612.000	2087245.000	1128531.000	
Aliphatic C16-C21	31246222.000	16281254.000	6935928.000	3389969.000	1857271.000	
Aliphatic C21-C28	41886999.000	21872316.000	9348524.000	4577156.000	2492585.000	
Aliphatic C28-C40	48781951.000	25911332.000	11444531.000	5559262.000	3062038.000	
Aliphatic EPH	168140687.000	88091226.000	37917139.000	18504640.000	10111358.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	96184.3666662	6.209				
Aliphatic C12-C16	104714.203	5.513				
Aliphatic C16-C21	113022.3199996	6.59				
Aliphatic C21-C28	113998.7555	6.637				
Aliphatic C28-C40	91553.5499994	8.777				
Aliphatic EPH	102353.599333	7.061				

Concentration

Parameter Range	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.D	
Aliphatic C9-C12	88995.420000	92521.546666	98309.066666	96366.933333	104728.866666	
Aliphatic C12-C16	97634.445000	101480.920000	107240.300000	104362.250000	112853.100000	
Aliphatic C16-C21	104154.073333	108541.693333	115598.800000	112998.966666	123818.066666	

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Aliphatic C21-C28	104717.497500	109361.580000	116856.550000	114428.900000	124629.250000	
Aliphatic C28-C40	81303.251666	86371.106666	95371.091666	92654.366666	102067.933333	
Aliphatic EPH	93411.492777	97879.140000	105325.386111	102803.555555	112348.422222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052204.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 11:51
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 03 13:56:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 13:54:43 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)	12.291	11433358	94.926 ug/ml
Spiked Amount 50.000		Recovery =	189.85%
12) S 1-chlorooctadecane (S...	13.705	9123651	94.908 ug/ml
Spiked Amount 50.000		Recovery =	189.82%
Target Compounds			
1) T n-Nonane (C9)	3.734	8601709	94.774 ug/ml
2) T n-Decane (C10)	4.965	8881455	94.983 ug/ml
3) T A~Naphthalene (C11.7)	6.672	9911771	95.058 ug/ml
4) T n-Dodecane (C12)	7.102	9215462	95.308 ug/ml
5) T A~2-methylnaphthalene...	7.757	9855017	95.763 ug/ml
6) T n-Tetradecane (C14)	8.915	9441421	95.448 ug/ml
7) T n-Hexadecane (C16)	10.514	10085468	95.184 ug/ml
8) T n-Octadecane (C18)	11.953	10492394	94.962 ug/ml
10) T n-Eicosane (C20)	13.257	10385290	94.713 ug/ml
11) T n-Heneicosane (C21)	13.868	10368538	94.700 ug/ml
13) T n-Docosane (C22)	14.452	10430935	94.763 ug/ml
14) T n-Tetracosane (C24)	15.552	10585800	94.610 ug/ml
15) T n-Hexacosane (C26)	16.570	10542000	94.557 ug/ml
16) T n-Octacosane (C28)	17.518	10328264	94.153 ug/ml
17) T n-Tricontane (C30)	18.403	10293664	93.569 ug/ml
18) T n-Dotriacontane (C32)	19.234	9682834	92.481 ug/ml
19) T n-Tetratriacontane (C34)	20.015	8402760	91.993 ug/ml
20) T n-Hexatriacontane (C36)	20.752	7202937	90.403 ug/ml
21) T n-Octatriacontane (C38)	21.568	6673402	91.969 ug/ml
22) T n-Tetracontane (C40)	22.611	6526354	91.009 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052204.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 11:51
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

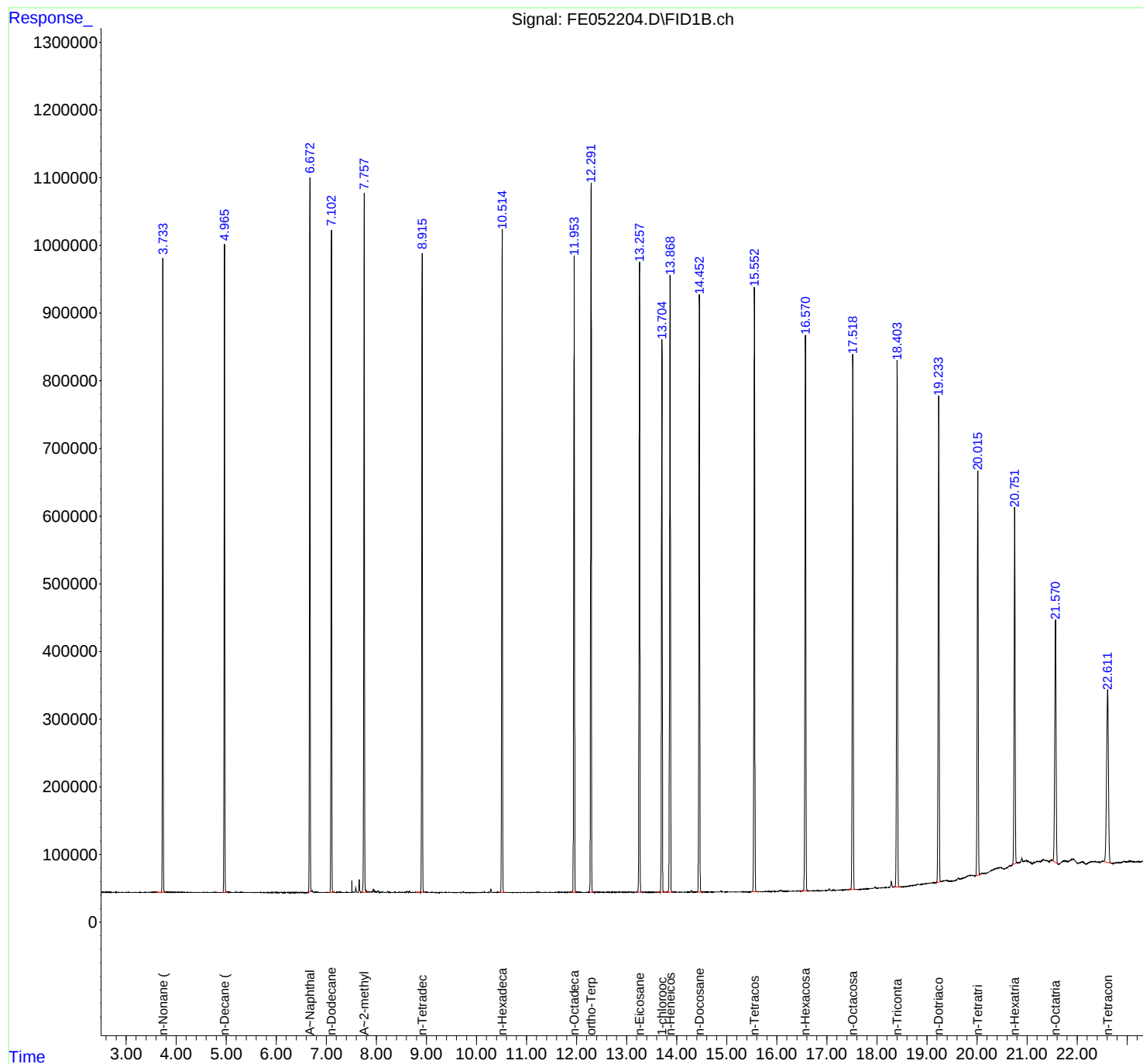
Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

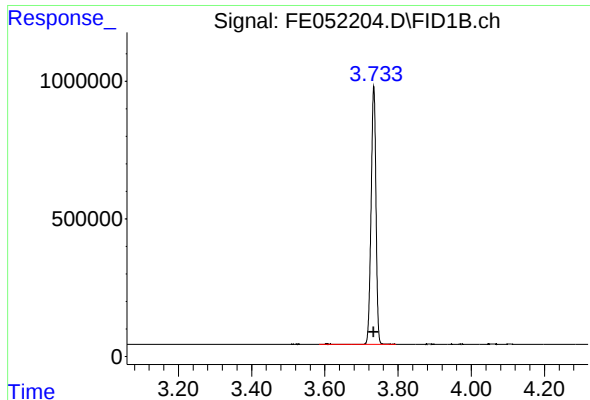
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
Quant Time: Feb 03 13:56:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





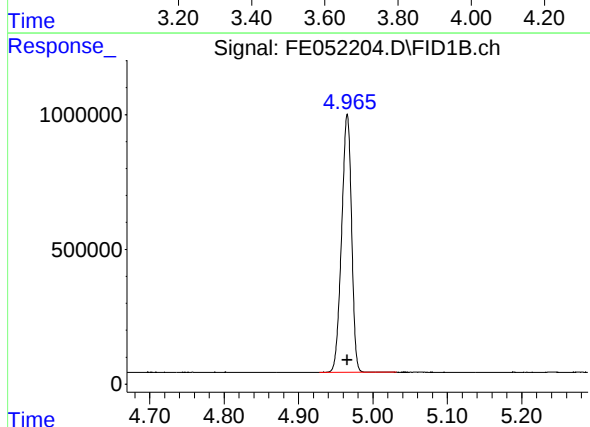
#1 n-Nonane (C9)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 8601709
Conc: 94.77 ug/ml

Instrument : FID_E
ClientSampleId : 100 PPM ALIPHATIC HC STD1

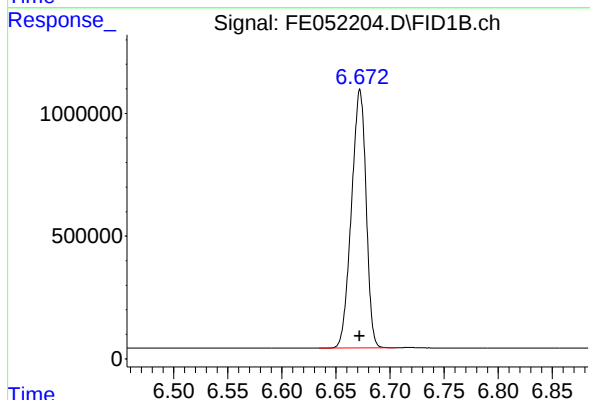
Manual Integrations
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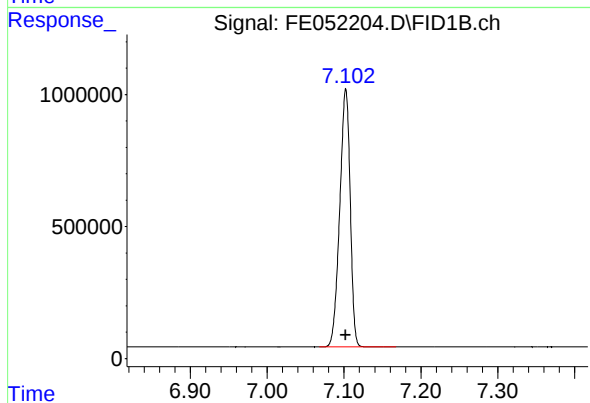
#2 n-Decane (C10)

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 8881455
Conc: 94.98 ug/ml



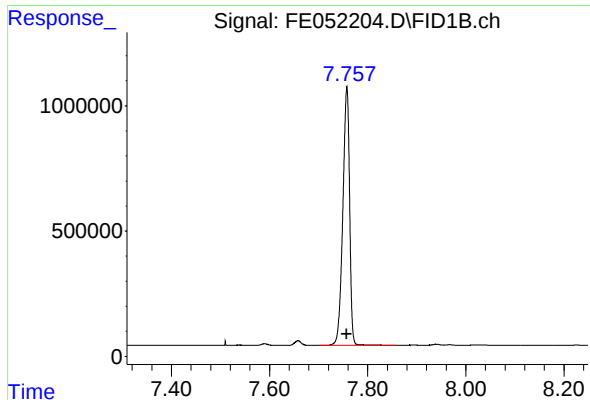
#3 A~Naphthalene (C11.7)

R.T.: 6.672 min
Delta R.T.: 0.000 min
Response: 9911771
Conc: 95.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 9215462
Conc: 95.31 ug/ml



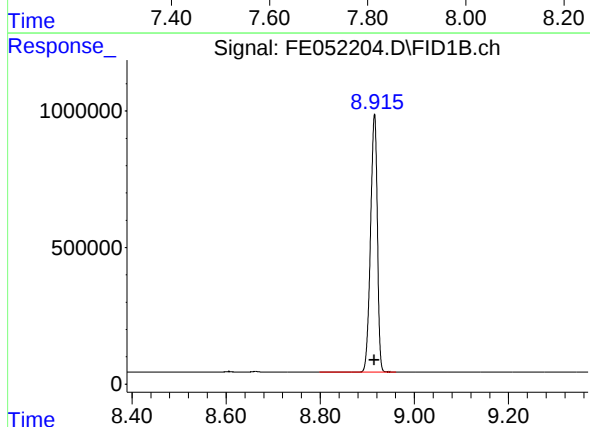
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 9855017
Conc: 95.76 ug/ml

Instrument : FID_E
ClientSampleId : 100 PPM ALIPHATIC HC STD1

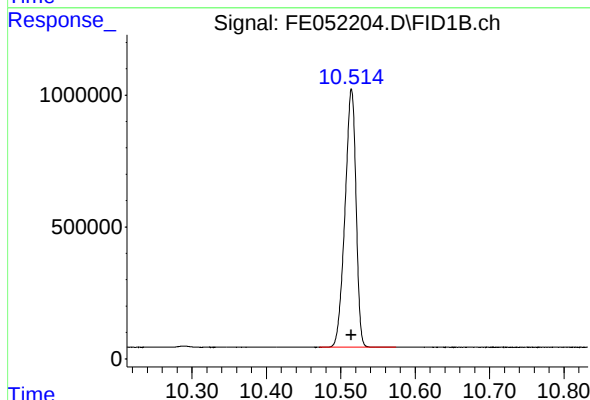
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



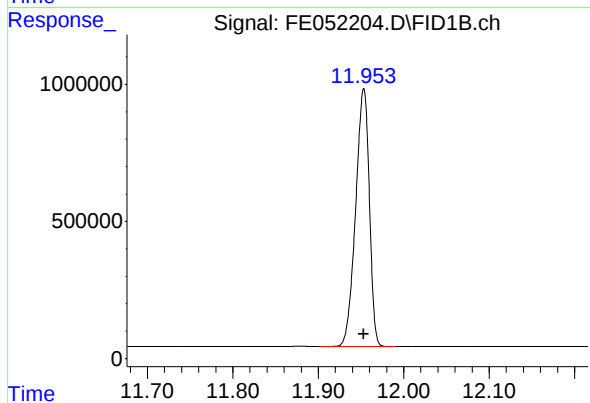
#6 n-Tetradecane (C14)

R.T.: 8.915 min
Delta R.T.: 0.000 min
Response: 9441421
Conc: 95.45 ug/ml



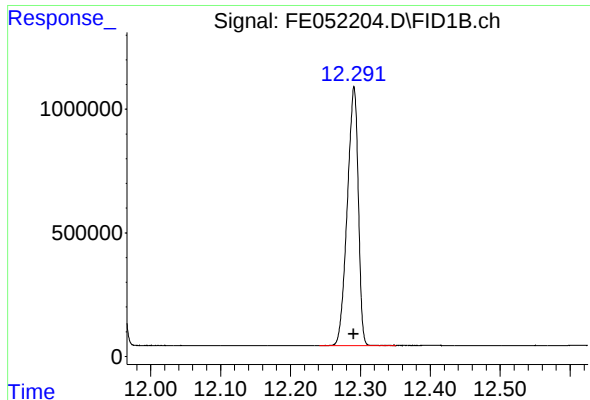
#7 n-Hexadecane (C16)

R.T.: 10.514 min
Delta R.T.: 0.000 min
Response: 10085468
Conc: 95.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.953 min
Delta R.T.: 0.000 min
Response: 10492394
Conc: 94.96 ug/ml



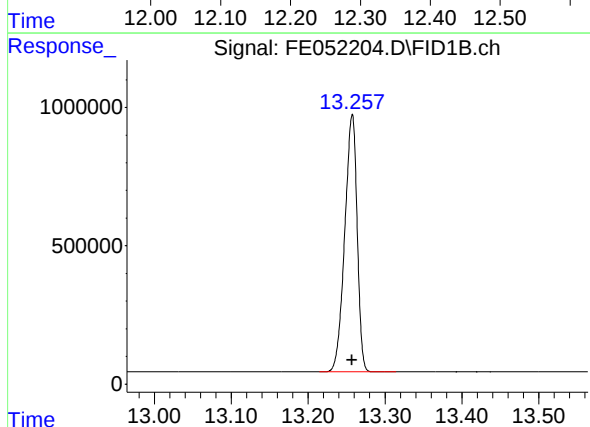
#9 ortho-Terphenyl (SURR)

R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 11433358
Conc: 94.93 ug/ml

Instrument : FID_E
ClientSampleId : 100 PPM ALIPHATIC HC STD1

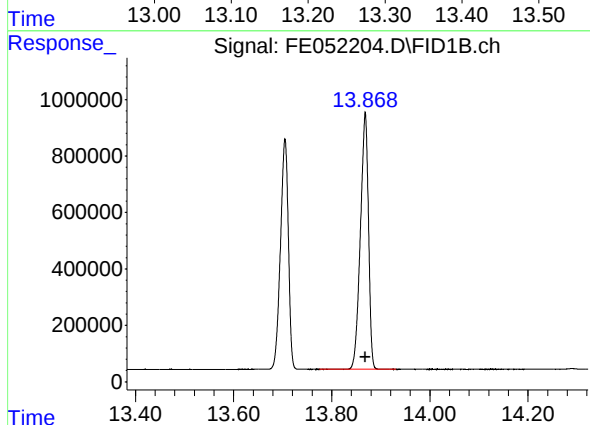
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



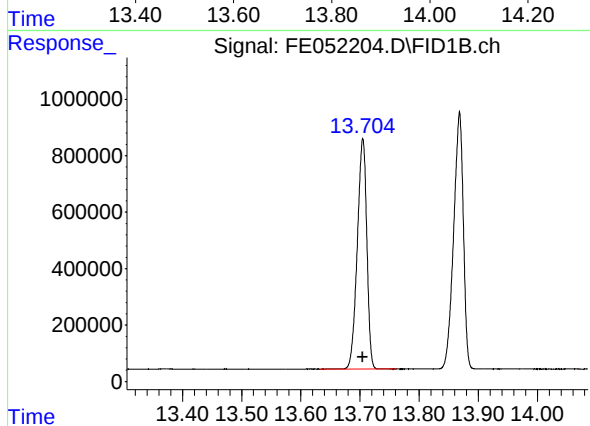
#10 n-Eicosane (C20)

R.T.: 13.257 min
Delta R.T.: 0.000 min
Response: 10385290
Conc: 94.71 ug/ml



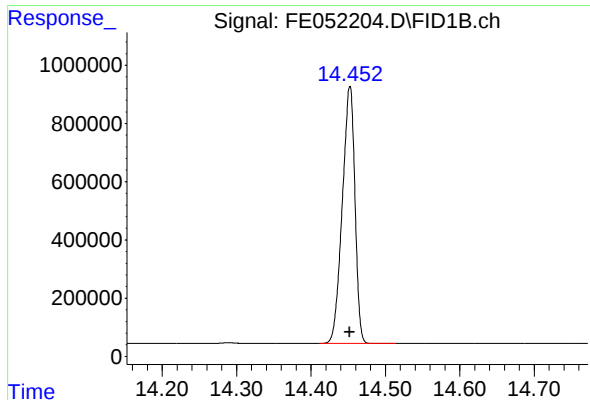
#11 n-Heneicosane (C21)

R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 10368538
Conc: 94.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.705 min
Delta R.T.: 0.000 min
Response: 9123651
Conc: 94.91 ug/ml



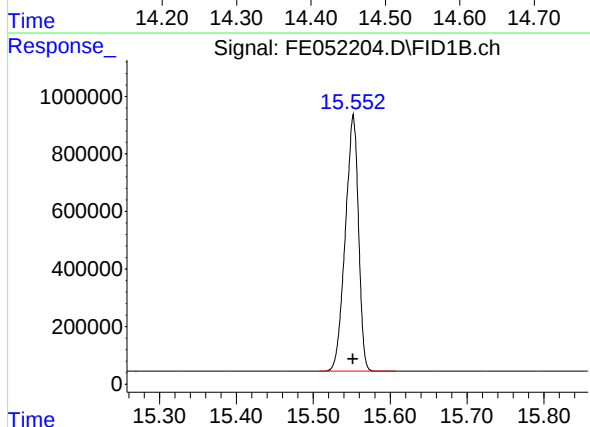
#13 n-Docosane (C22)

R.T.: 14.452 min
Delta R.T.: 0.000 min
Response: 10430935
Conc: 94.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

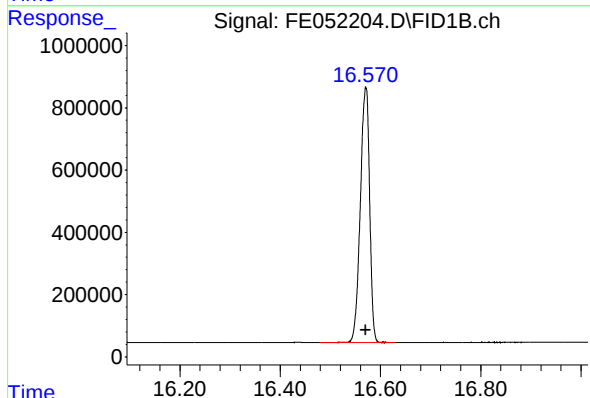
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



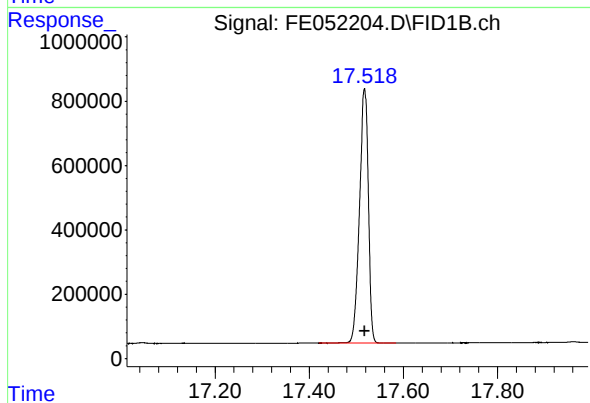
#14 n-Tetracosane (C24)

R.T.: 15.552 min
Delta R.T.: 0.000 min
Response: 10585800
Conc: 94.61 ug/ml



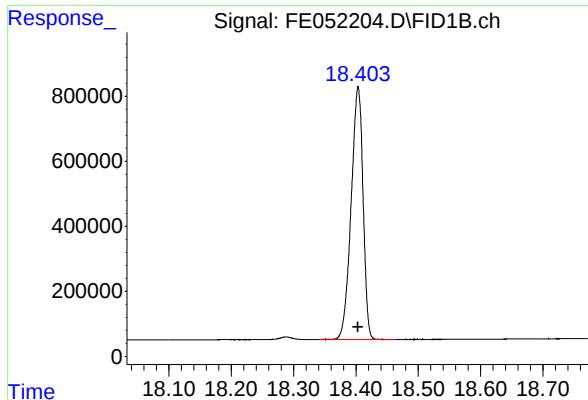
#15 n-Hexacosane (C26)

R.T.: 16.570 min
Delta R.T.: 0.000 min
Response: 10542000
Conc: 94.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.518 min
Delta R.T.: 0.000 min
Response: 10328264
Conc: 94.15 ug/ml



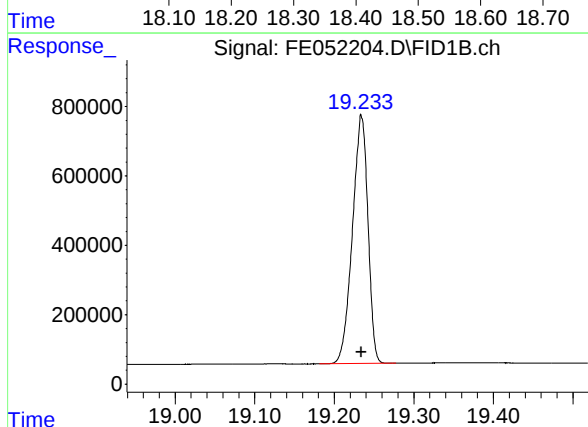
#17 n-Tricontane (C30)

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 10293664
Conc: 93.57 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

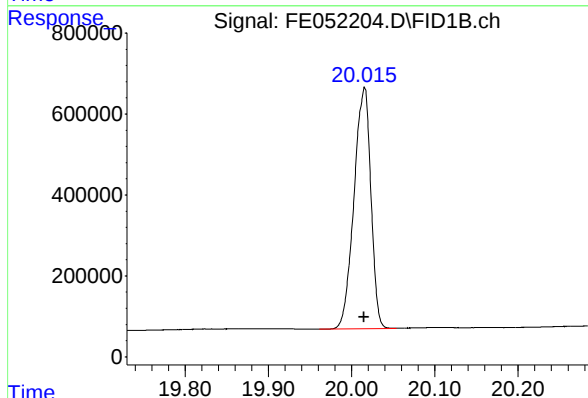
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



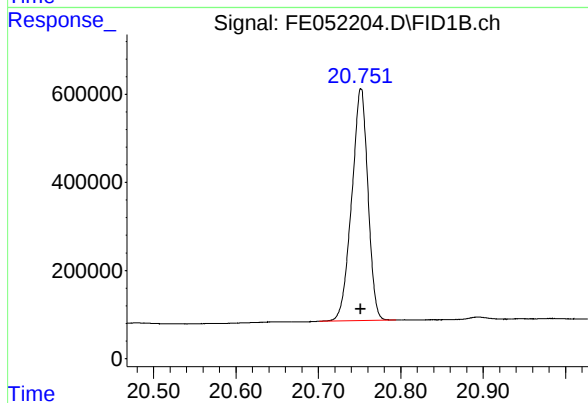
#18 n-Dotriacontane (C32)

R.T.: 19.234 min
Delta R.T.: 0.000 min
Response: 9682834
Conc: 92.48 ug/ml



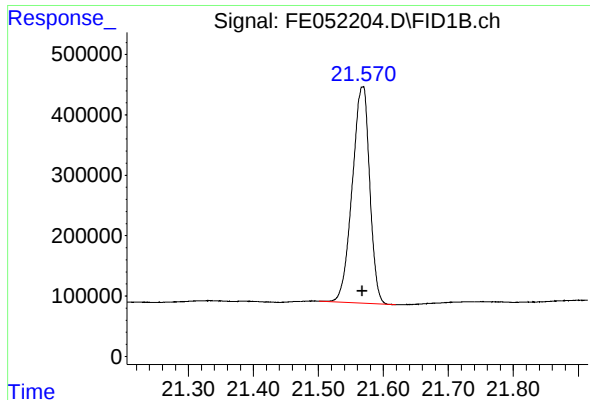
#19 n-Tetratriacontane (C34)

R.T.: 20.015 min
Delta R.T.: 0.000 min
Response: 8402760
Conc: 91.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.752 min
Delta R.T.: 0.000 min
Response: 7202937
Conc: 90.40 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.568 min
Delta R.T.: 0.000 min
Response: 6673402
Conc: 91.97 ug/ml

Instrument :

FID_E

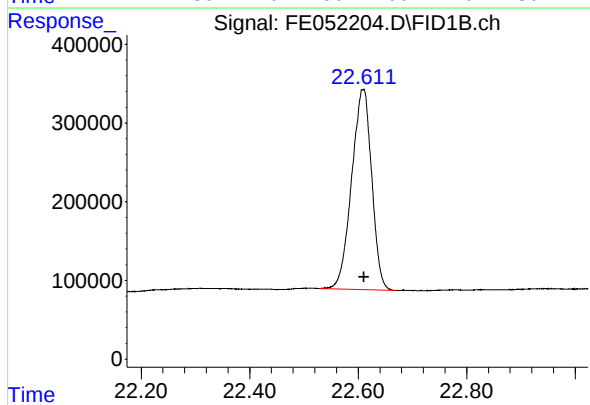
ClientSampleId :

100 PPM ALIPHATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#22 n-Tetracontane (C40)

R.T.: 22.611 min
Delta R.T.: 0.000 min
Response: 6526354
Conc: 91.01 ug/ml m

rtres

Instrument :
FID_E
LabSampleId :
100 PPM ALIPHATIC HC STD1
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02032
Data File : FE052204.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 11:51
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Manual IntegrationsAPPROVED

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Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.734	3.584	3.794	BB	940546	8601709	75.23%	4.127%
2	4.965	4.928	5.031	BB	950454	8881455	77.68%	4.261%
3	6.672	6.634	6.705	BV	1041249	9911771	86.69%	4.755%
4	7.102	7.068	7.168	BB	967166	9215462	80.60%	4.421%
5	7.757	7.701	7.858	PB	1034816	9855017	86.20%	4.728%
6	8.915	8.798	8.961	BB	938762	9441421	82.58%	4.530%
7	10.514	10.471	10.574	BB	980679	10085468	88.21%	4.839%
8	11.953	11.901	11.991	PB	949637	10492394	91.77%	5.034%
9	12.291	12.241	12.351	BB	1051207	11433358	100.00%	5.486%
10	13.257	13.214	13.314	BB	935904	10385290	90.83%	4.983%
11	13.705	13.631	13.761	BB	815941	9123651	79.80%	4.377%
12	13.868	13.774	13.931	BB	903580	10368538	90.69%	4.975%
13	14.452	14.411	14.514	BB	882839	10430935	91.23%	5.005%
14	15.552	15.508	15.608	BB	884369	10585800	92.59%	5.079%
15	16.570	16.478	16.631	BB	824083	10542000	92.20%	5.058%
16	17.518	17.421	17.584	BB	790758	10328264	90.33%	4.955%
17	18.403	18.341	18.464	BB	778904	10293664	90.03%	4.939%
18	19.234	19.181	19.278	BB	716677	9682834	84.69%	4.646%
19	20.015	19.961	20.053	BV	590825	8402760	73.49%	4.032%
20	20.752	20.701	20.794	BB	527169	7202937	63.00%	3.456%
21	21.568	21.501	21.619	BBA	359154	6673402	58.37%	3.202%
22	22.609	22.521	22.659	BBA	254566	6489486	56.76%	3.114%
Sum of corrected areas:						208427616		

Aliphatic EPH 020325.M Mon Feb 03 23:15:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052205.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 12:21
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Feb 03 13:58:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 13:54:43 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)	12.285	5955153	49.627 ug/ml
Spiked Amount 50.000		Recovery =	99.25%
12) S 1-chlorooctadecane (S...	13.700	4747770	49.590 ug/ml
Spiked Amount 50.000		Recovery =	99.18%
Target Compounds			
1) T n-Nonane (C9)	3.730	4482230	49.589 ug/ml
2) T n-Decane (C10)	4.962	4616333	49.578 ug/ml
3) T A~Naphthalene (C11.7)	6.668	5170881	49.727 ug/ml
4) T n-Dodecane (C12)	7.099	4779669	49.620 ug/ml
5) T A~2-methylnaphthalene...	7.753	5097838	49.690 ug/ml
6) T n-Tetradecane (C14)	8.912	4903440	49.713 ug/ml
7) T n-Hexadecane (C16)	10.510	5244652	49.664 ug/ml
8) T n-Octadecane (C18)	11.948	5466831	49.651 ug/ml
10) T n-Eicosane (C20)	13.253	5412975	49.575 ug/ml
11) T n-Heneicosane (C21)	13.862	5401448	49.554 ug/ml
13) T n-Docosane (C22)	14.447	5433041	49.570 ug/ml
14) T n-Tetracosane (C24)	15.547	5516574	49.534 ug/ml
15) T n-Hexacosane (C26)	16.564	5505166	49.584 ug/ml
16) T n-Octacosane (C28)	17.511	5417535	49.589 ug/ml
17) T n-Tricontane (C30)	18.397	5406612	49.427 ug/ml
18) T n-Dotriacontane (C32)	19.228	5123574	49.285 ug/ml
19) T n-Tetratriacontane (C34)	20.010	4482520	49.379 ug/ml
20) T n-Hexatriacontane (C36)	20.747	3850881	48.875 ug/ml
21) T n-Octatriacontane (C38)	21.561	3526461	49.058 ug/ml
22) T n-Tetracontane (C40)	22.600	3521284	49.390 ug/ml

(f)=RT Delta > 1/2 Window

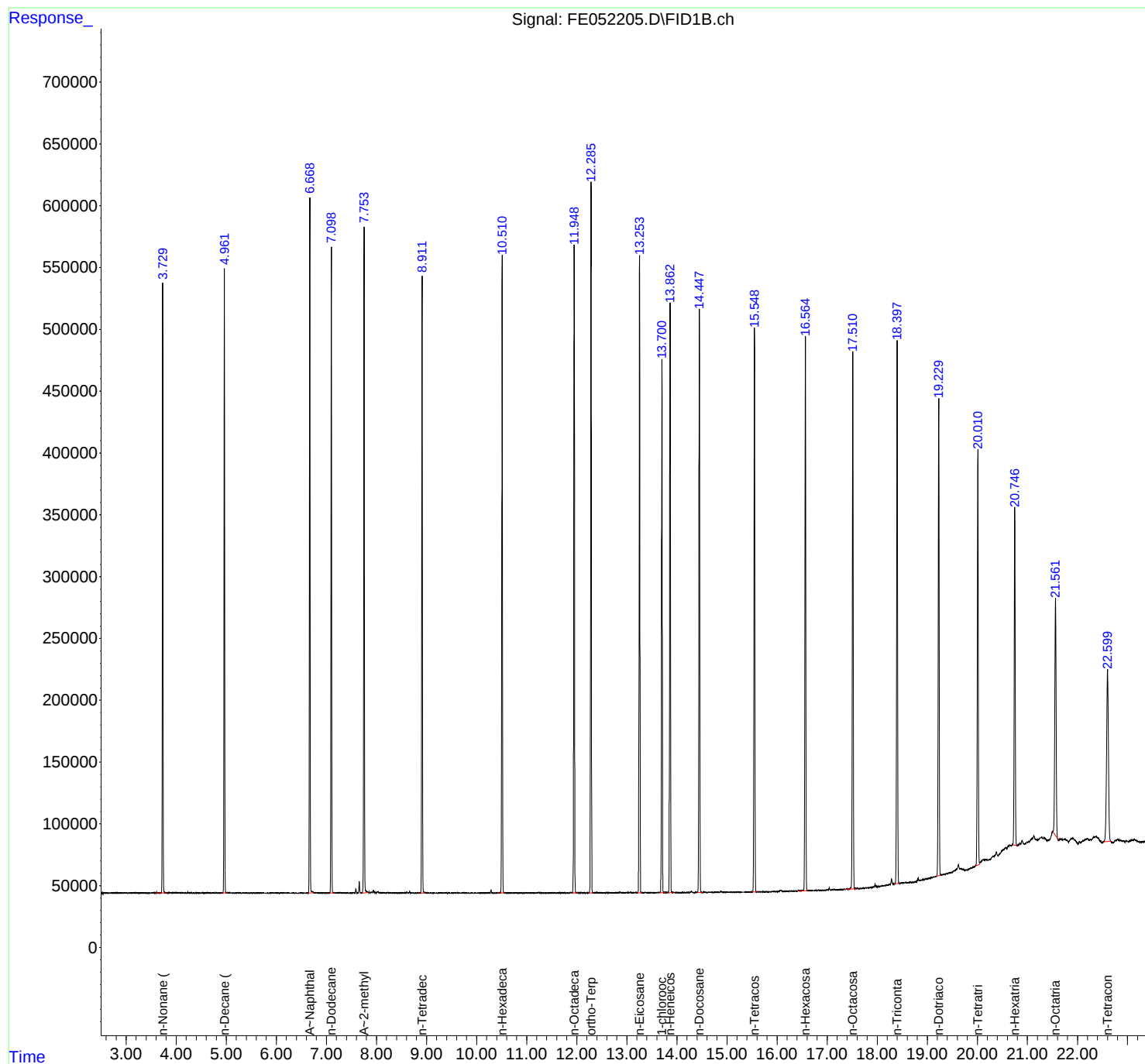
(m)=manual int.

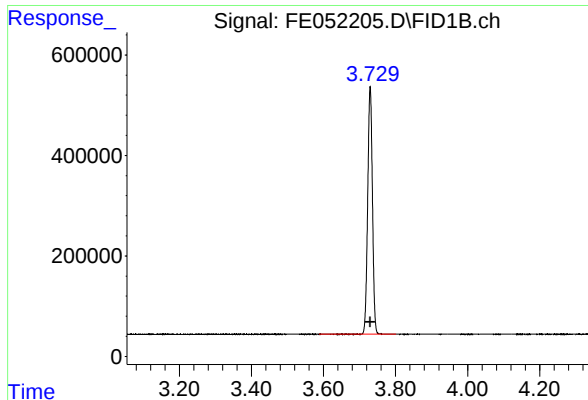
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052205.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:21
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 03 13:58:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

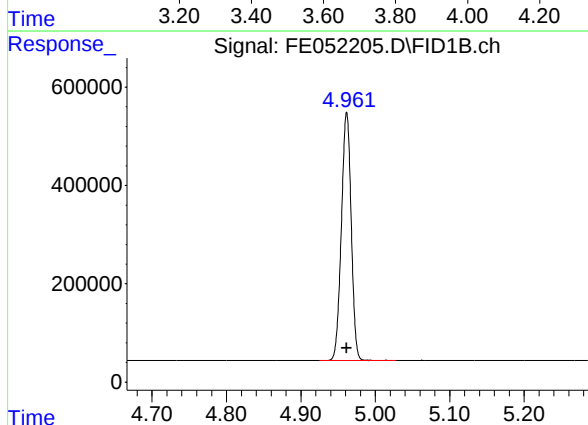




#1 n-Nonane (C9)

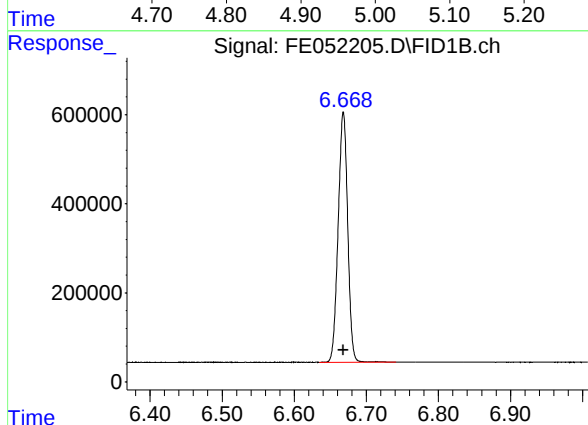
R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 4482230
Conc: 49.59 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



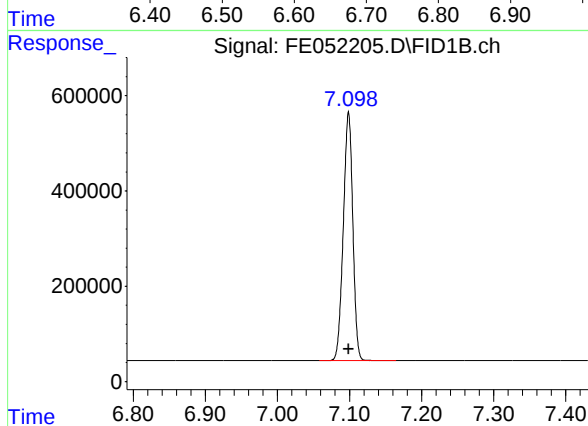
#2 n-Decane (C10)

R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 4616333
Conc: 49.58 ug/ml



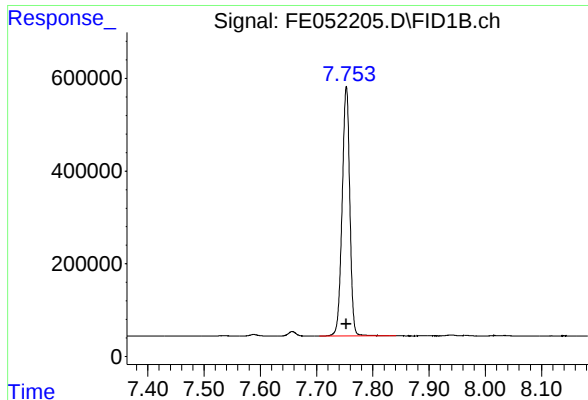
#3 A~Naphthalene (C11.7)

R.T.: 6.668 min
Delta R.T.: 0.000 min
Response: 5170881
Conc: 49.73 ug/ml



#4 n-Dodecane (C12)

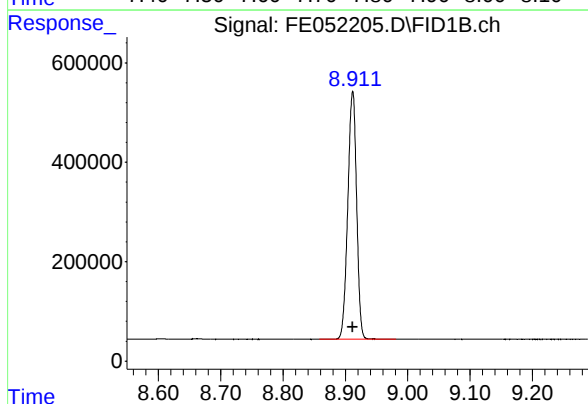
R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 4779669
Conc: 49.62 ug/ml



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

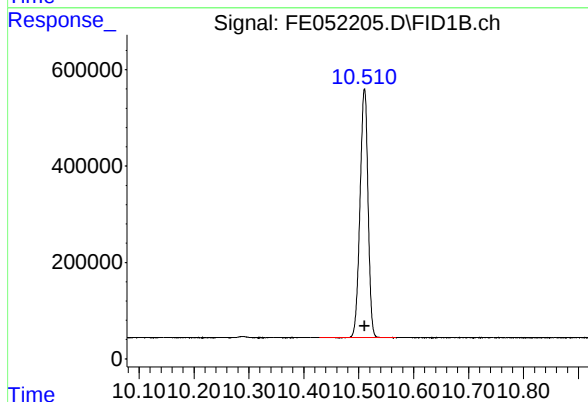
R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 5097838
Conc: 49.69 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



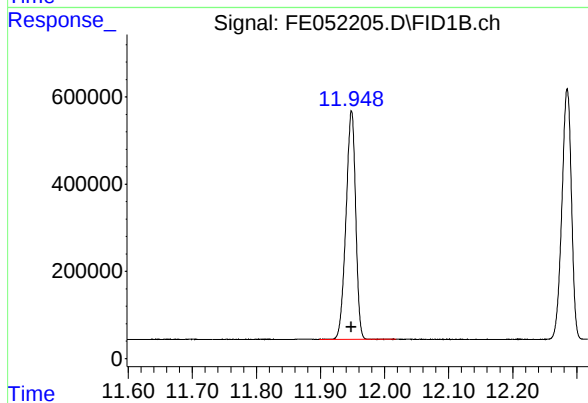
#6 n-Tetradecane (C14)

R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 4903440
Conc: 49.71 ug/ml



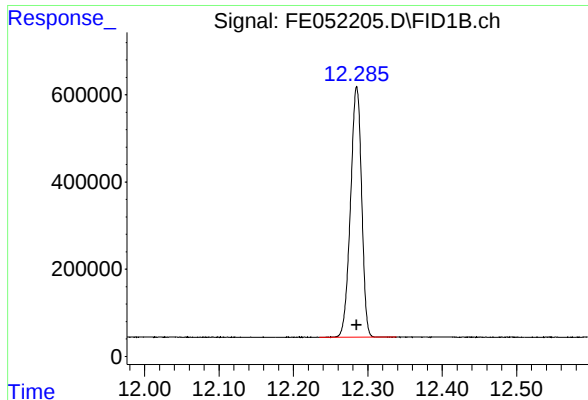
#7 n-Hexadecane (C16)

R.T.: 10.510 min
Delta R.T.: 0.000 min
Response: 5244652
Conc: 49.66 ug/ml



#8 n-Octadecane (C18)

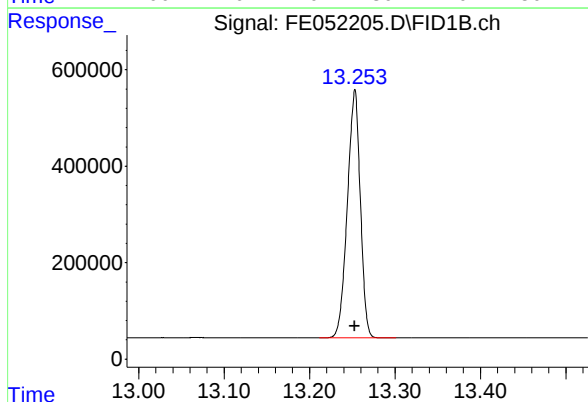
R.T.: 11.948 min
Delta R.T.: 0.000 min
Response: 5466831
Conc: 49.65 ug/ml



#9 ortho-Terphenyl (SURR)

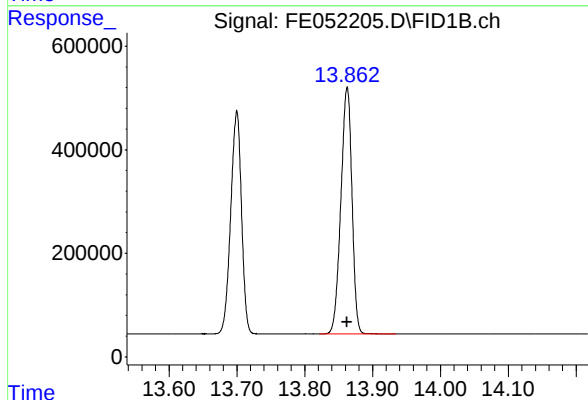
R.T.: 12.285 min
Delta R.T.: 0.000 min
Response: 5955153
Conc: 49.63 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



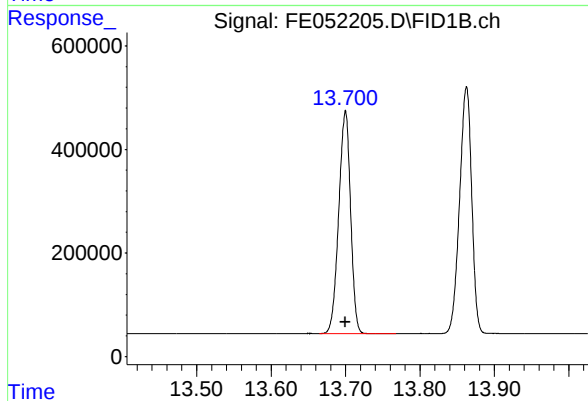
#10 n-Eicosane (C20)

R.T.: 13.253 min
Delta R.T.: 0.000 min
Response: 5412975
Conc: 49.58 ug/ml



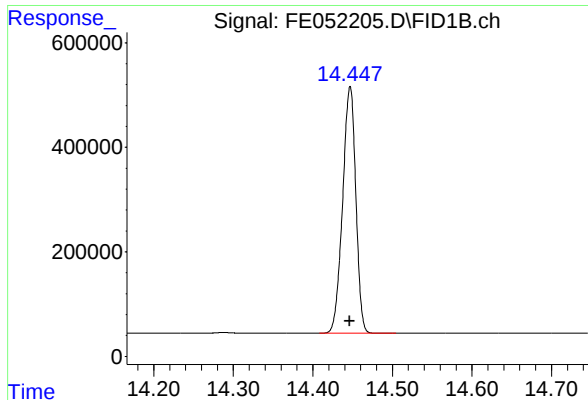
#11 n-Heneicosane (C21)

R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5401448
Conc: 49.55 ug/ml



#12 1-chlorooctadecane (SURR)

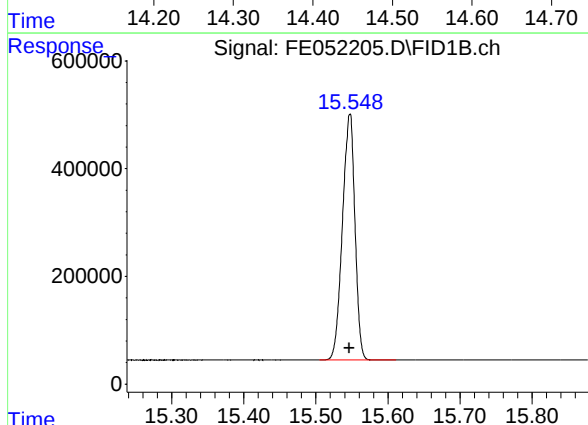
R.T.: 13.700 min
Delta R.T.: 0.000 min
Response: 4747770
Conc: 49.59 ug/ml



#13 n-Docosane (C22)

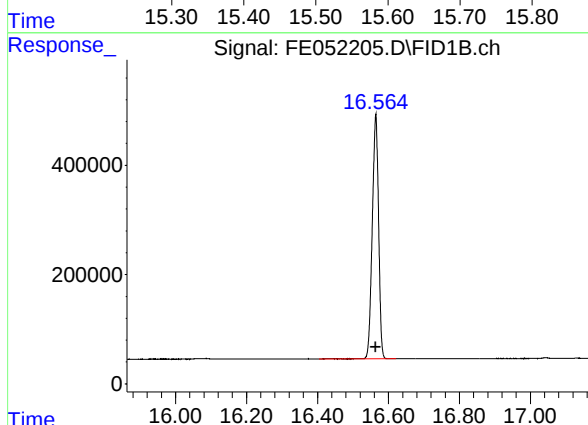
R.T.: 14.447 min
Delta R.T.: 0.000 min
Response: 5433041
Conc: 49.57 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



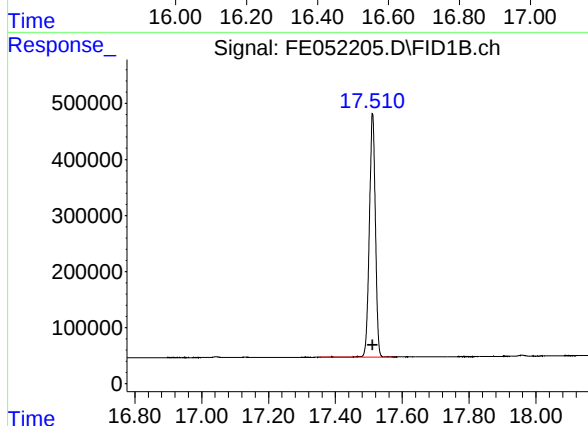
#14 n-Tetracosane (C24)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 5516574
Conc: 49.53 ug/ml



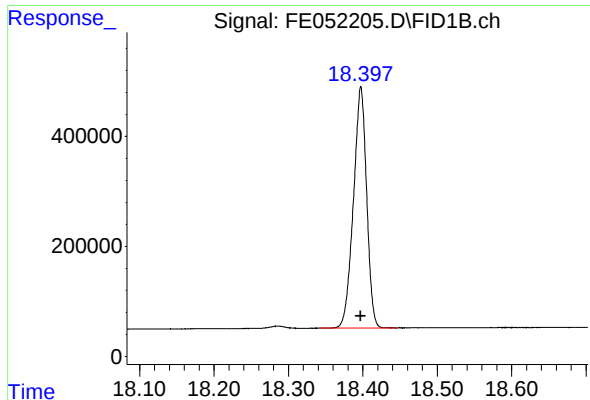
#15 n-Hexacosane (C26)

R.T.: 16.564 min
Delta R.T.: 0.000 min
Response: 5505166
Conc: 49.58 ug/ml



#16 n-Octacosane (C28)

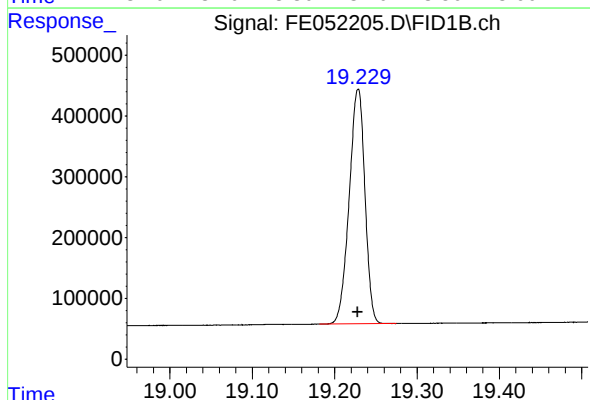
R.T.: 17.511 min
Delta R.T.: 0.000 min
Response: 5417535
Conc: 49.59 ug/ml



#17 n-Tricontane (C30)

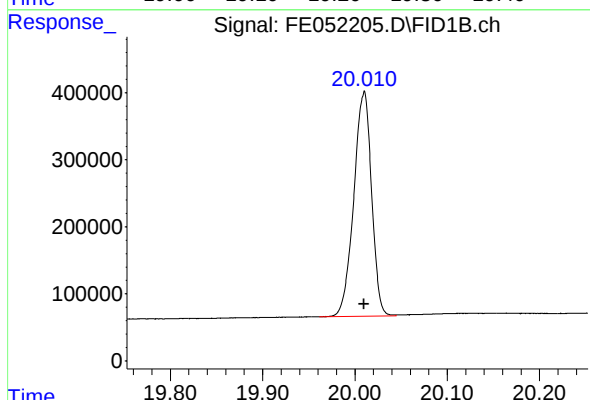
R.T.: 18.397 min
Delta R.T.: 0.000 min
Response: 5406612
Conc: 49.43 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



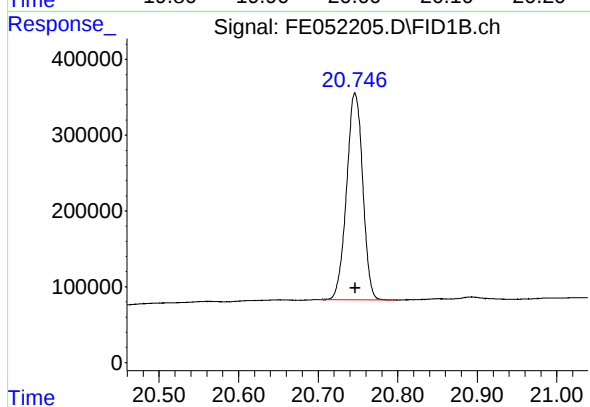
#18 n-Dotriacontane (C32)

R.T.: 19.228 min
Delta R.T.: 0.000 min
Response: 5123574
Conc: 49.29 ug/ml



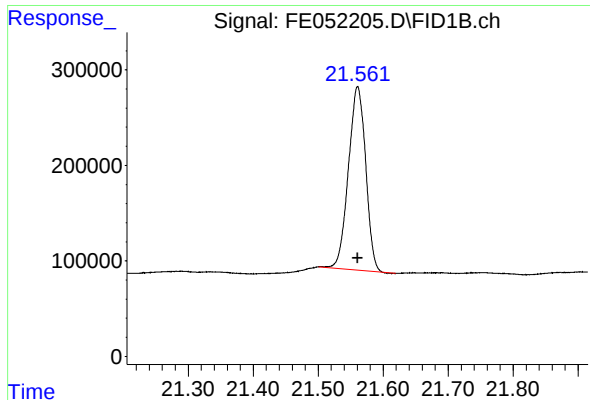
#19 n-Tetratriacontane (C34)

R.T.: 20.010 min
Delta R.T.: 0.000 min
Response: 4482520
Conc: 49.38 ug/ml



#20 n-Hexatriacontane (C36)

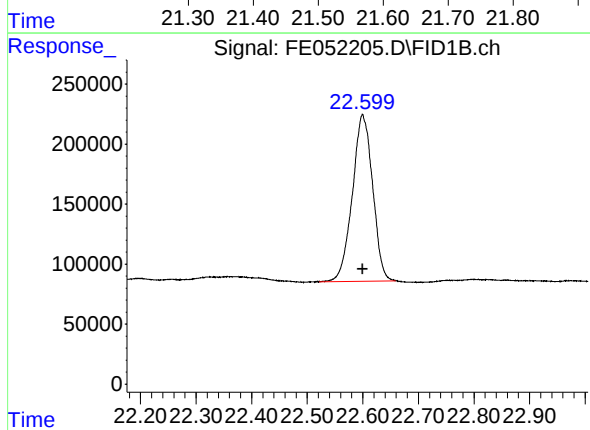
R.T.: 20.747 min
Delta R.T.: 0.000 min
Response: 3850881
Conc: 48.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.561 min
Delta R.T.: 0.000 min
Response: 3526461
Conc: 49.06 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.600 min
Delta R.T.: 0.000 min
Response: 3521284
Conc: 49.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052205.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 12:21
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.730	3.588	3.801	BB	491785	4482230	75.27%	4.110%
2	4.962	4.925	5.028	BB	504163	4616333	77.52%	4.233%
3	6.668	6.635	6.741	BB	562373	5170881	86.83%	4.741%
4	7.099	7.058	7.165	BB	517188	4779669	80.26%	4.382%
5	7.753	7.705	7.841	PB	543099	5097838	85.60%	4.674%
6	8.912	8.858	8.981	BB	496876	4903440	82.34%	4.496%
7	10.510	10.428	10.568	BB	520021	5244652	88.07%	4.809%
8	11.948	11.898	12.018	BB	524232	5466831	91.80%	5.013%
9	12.285	12.235	12.338	BB	574914	5955153	100.00%	5.460%
10	13.253	13.211	13.301	BB	501216	5412975	90.90%	4.963%
11	13.700	13.665	13.768	BB	434168	4747770	79.73%	4.353%
12	13.862	13.821	13.935	BB	474993	5401448	90.70%	4.953%
13	14.447	14.408	14.505	BB	476035	5433041	91.23%	4.982%
14	15.547	15.505	15.611	BB	463912	5516574	92.64%	5.058%
15	16.564	16.405	16.621	BB	448117	5505166	92.44%	5.048%
16	17.511	17.351	17.581	BB	436527	5417535	90.97%	4.967%
17	18.397	18.341	18.445	BB	438714	5406612	90.79%	4.957%
18	19.228	19.181	19.275	BB	386800	5123574	86.04%	4.698%
19	20.010	19.961	20.045	BV	338968	4482520	75.27%	4.110%
20	20.747	20.701	20.798	BV	271134	3850881	64.66%	3.531%
21	21.561	21.501	21.620	BBA	192101	3526461	59.22%	3.233%
22	22.600	22.521	22.660	BBA	137746	3521284	59.13%	3.229%
Sum of corrected areas:						109062869		

Aliphatic EPH 020325.M Mon Feb 03 23:15:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052206.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 12:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Feb 03 13:55:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 13:54:43 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)	12.281	2531107	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.697	2020549	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.728	1910058	20.000 ug/ml
2) T n-Decane (C10)	4.960	1963921	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.666	2188464	20.000 ug/ml
4) T n-Dodecane (C12)	7.096	2024565	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.750	2145432	20.000 ug/ml
6) T n-Tetradecane (C14)	8.909	2068384	20.000 ug/ml
7) T n-Hexadecane (C16)	10.507	2221228	20.000 ug/ml
8) T n-Octadecane (C18)	11.944	2321135	20.000 ug/ml
10) T n-Eicosane (C20)	13.249	2308963	20.000 ug/ml
11) T n-Heneicosane (C21)	13.859	2305830	20.000 ug/ml
13) T n-Docosane (C22)	14.443	2316758	20.000 ug/ml
14) T n-Tetracosane (C24)	15.542	2358406	20.000 ug/ml
15) T n-Hexacosane (C26)	16.560	2351140	20.000 ug/ml
16) T n-Octacosane (C28)	17.507	2322220	20.000 ug/ml
17) T n-Tricontane (C30)	18.393	2341724	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.223	2251455	20.000 ug/ml
19) T n-Tetratriacontane (C34)	20.005	1973116	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.742	1746459	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.555	1567789	20.000 ug/ml
22) T n-Tetracontane (C40)	22.594	1563988	20.000 ug/ml

(f)=RT Delta > 1/2 Window

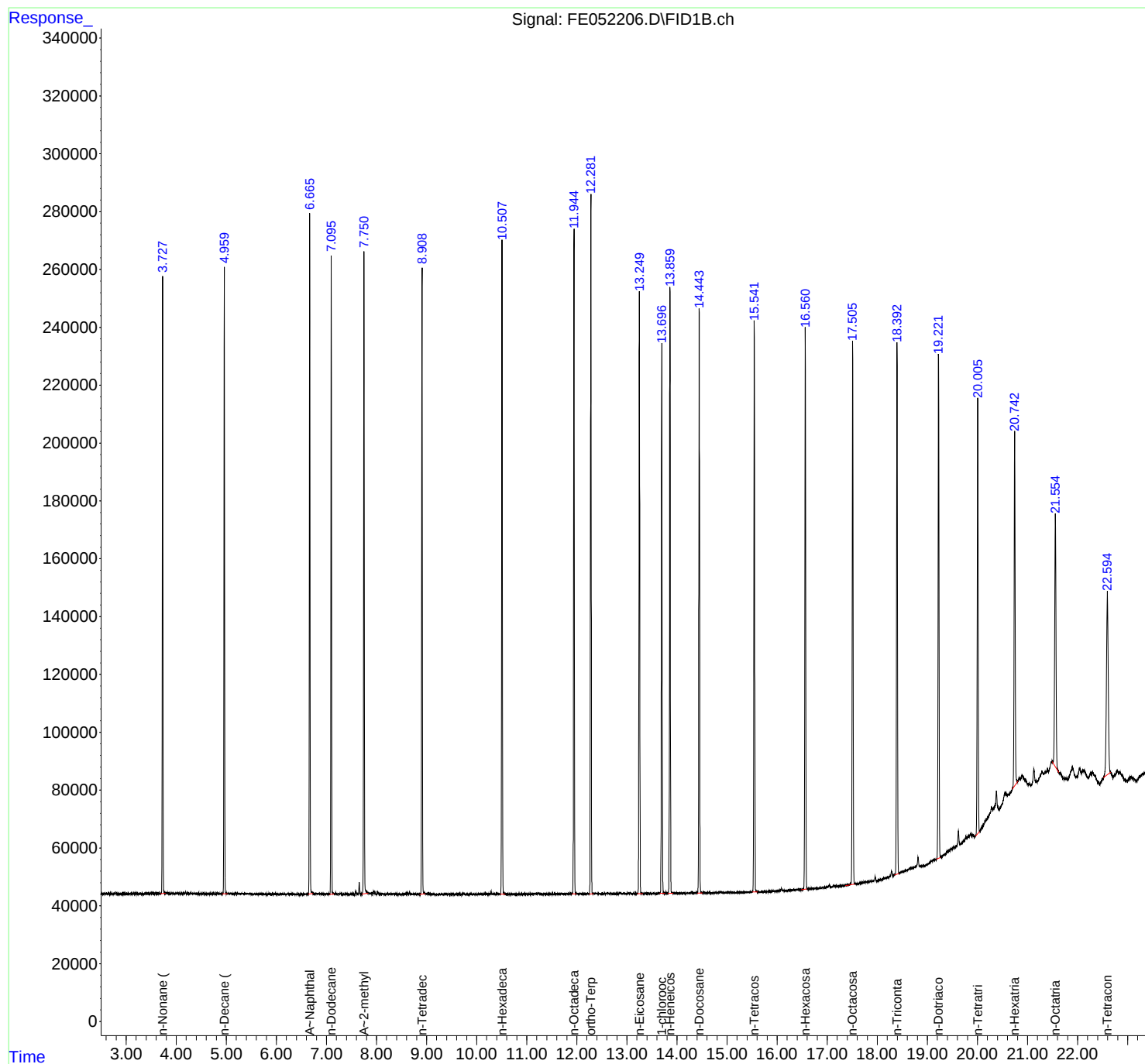
(m)=manual int.

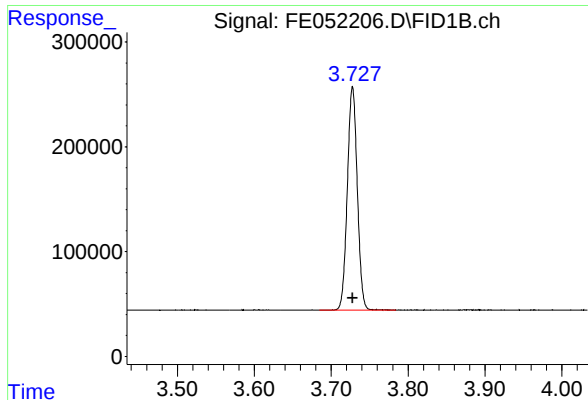
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052206.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 03 13:55:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

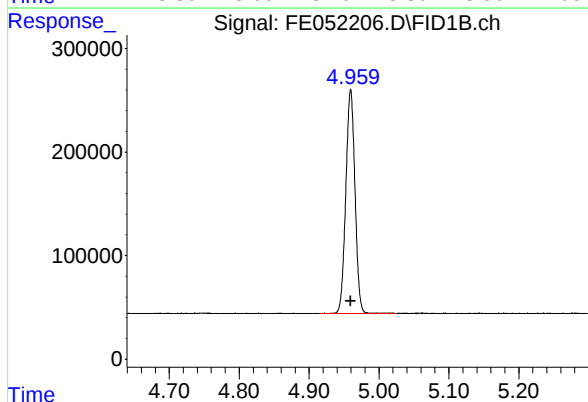




#1 n-Nonane (C9)

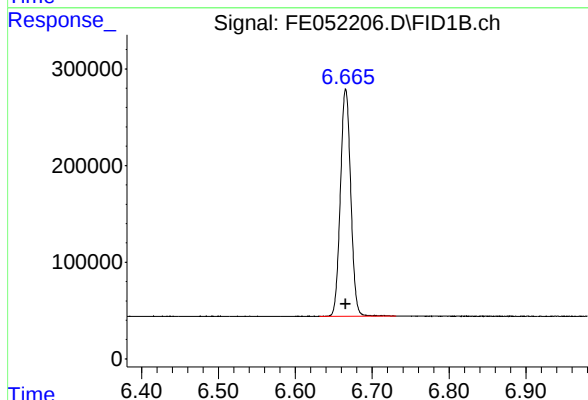
R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1910058
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



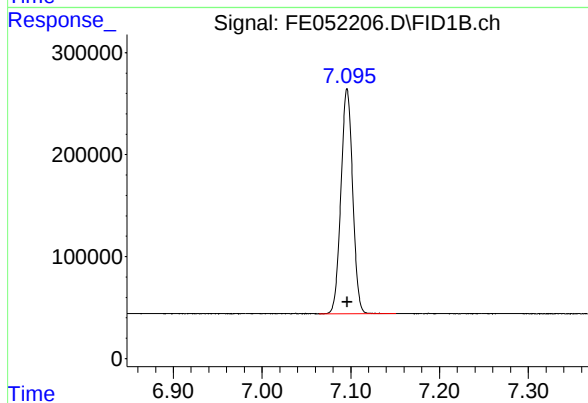
#2 n-Decane (C10)

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 1963921
Conc: 20.00 ug/ml



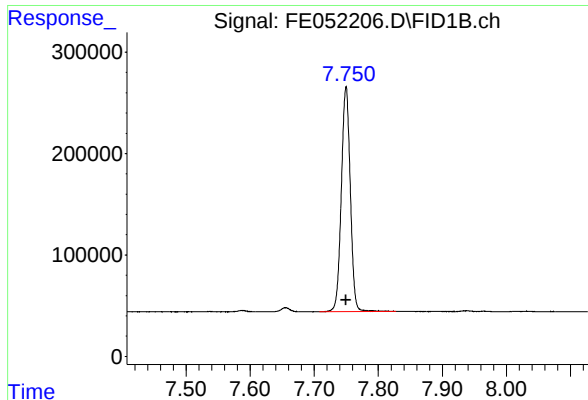
#3 A~Naphthalene (C11.7)

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 2188464
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

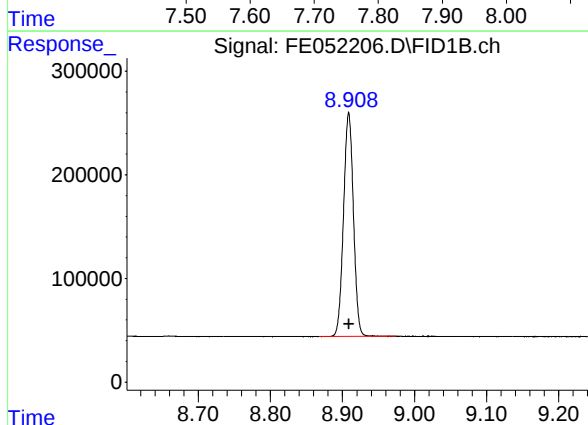
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 2024565
Conc: 20.00 ug/ml



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

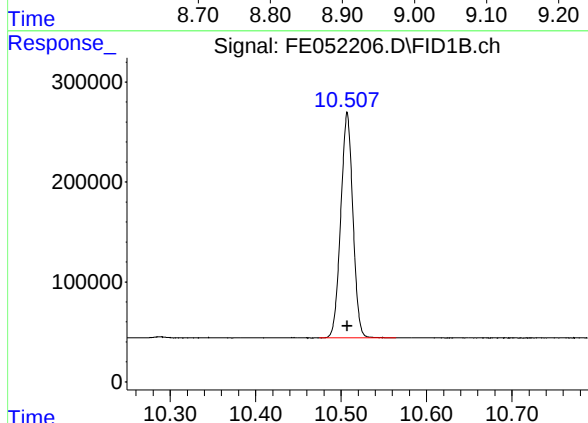
R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 2145432
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



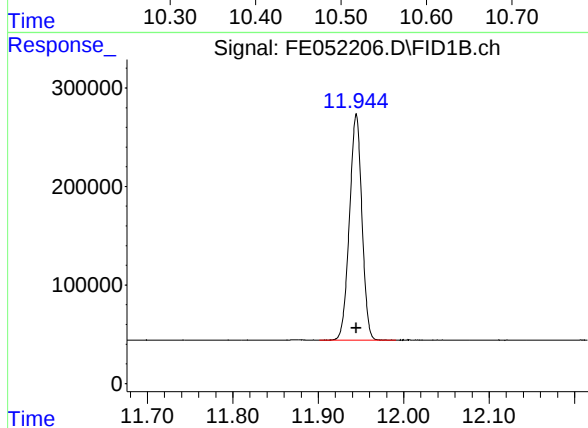
#6 n-Tetradecane (C14)

R.T.: 8.909 min
Delta R.T.: 0.000 min
Response: 2068384
Conc: 20.00 ug/ml



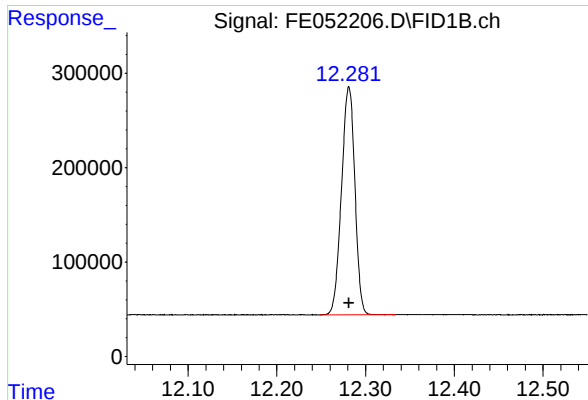
#7 n-Hexadecane (C16)

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 2221228
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

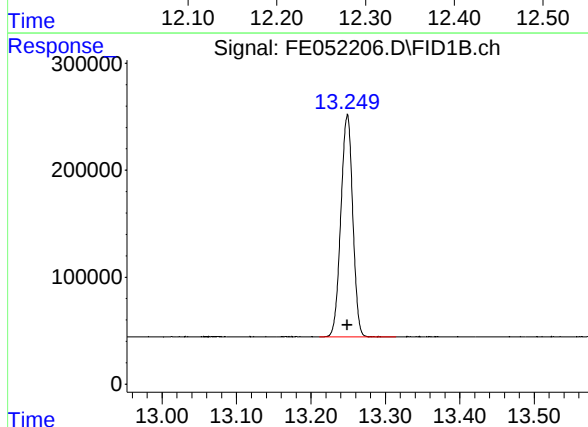
R.T.: 11.944 min
Delta R.T.: 0.000 min
Response: 2321135
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

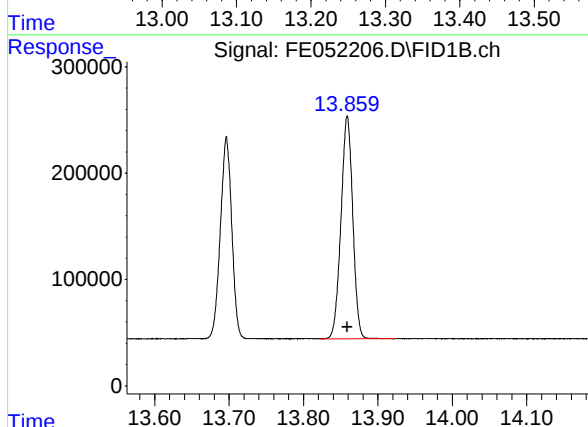
R.T.: 12.281 min
Delta R.T.: 0.000 min
Response: 2531107
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



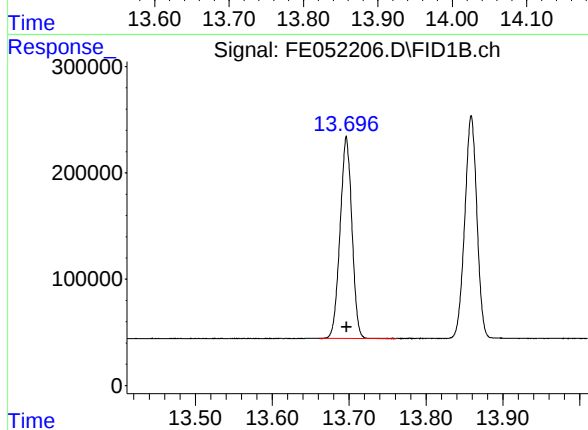
#10 n-Eicosane (C20)

R.T.: 13.249 min
Delta R.T.: 0.000 min
Response: 2308963
Conc: 20.00 ug/ml



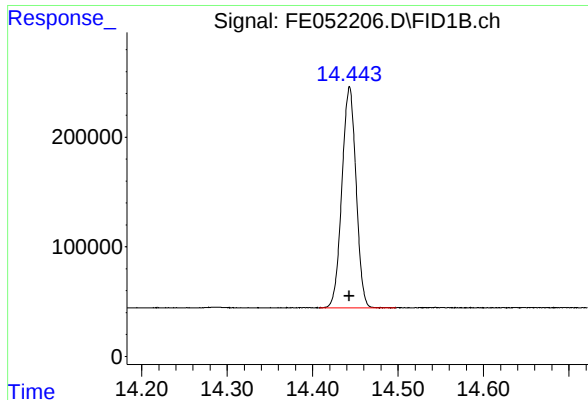
#11 n-Heneicosane (C21)

R.T.: 13.859 min
Delta R.T.: 0.000 min
Response: 2305830
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

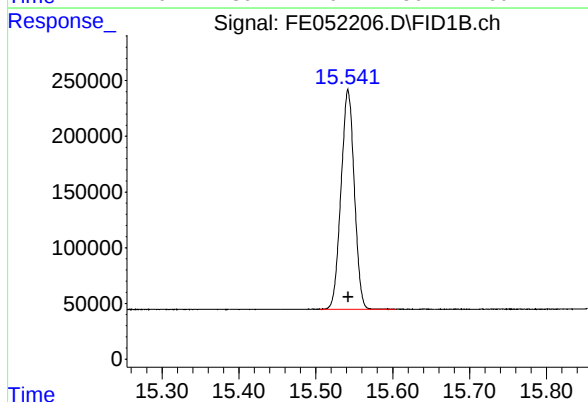
R.T.: 13.697 min
Delta R.T.: 0.000 min
Response: 2020549
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

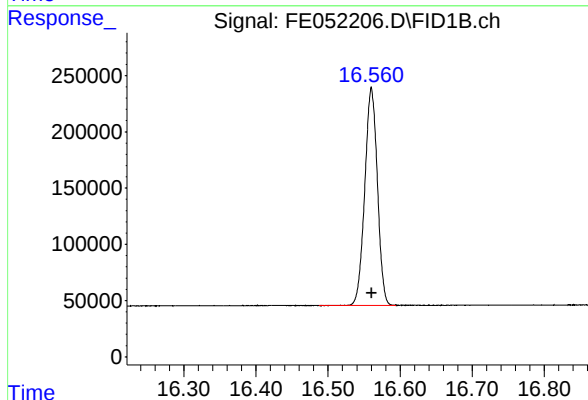
R.T.: 14.443 min
Delta R.T.: 0.000 min
Response: 2316758
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



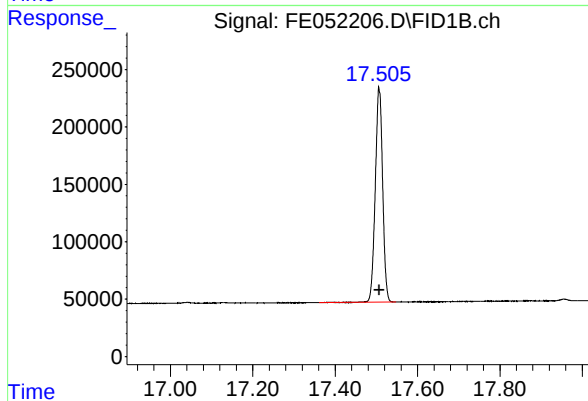
#14 n-Tetracosane (C24)

R.T.: 15.542 min
Delta R.T.: 0.000 min
Response: 2358406
Conc: 20.00 ug/ml



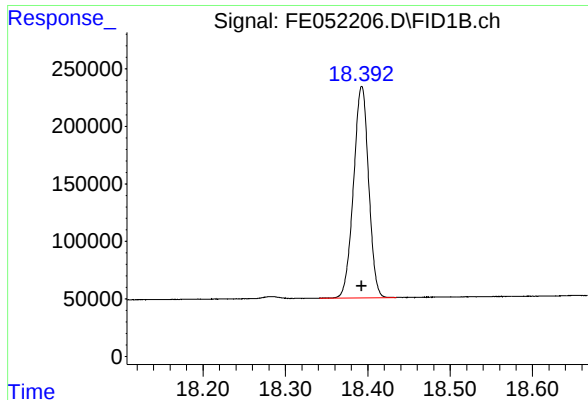
#15 n-Hexacosane (C26)

R.T.: 16.560 min
Delta R.T.: 0.000 min
Response: 2351140
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

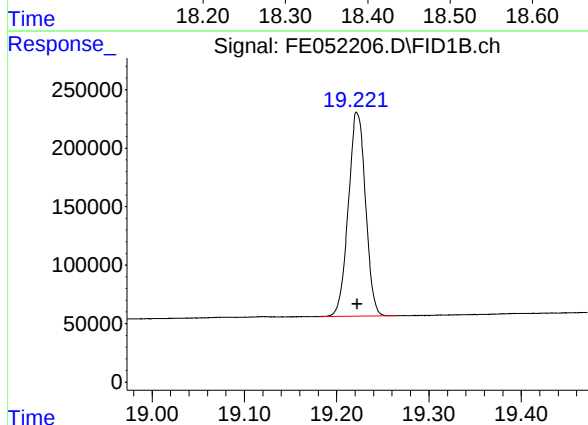
R.T.: 17.507 min
Delta R.T.: 0.000 min
Response: 2322220
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

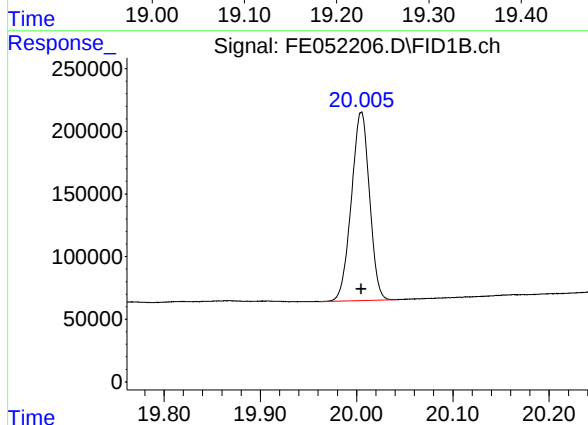
R.T.: 18.393 min
Delta R.T.: 0.000 min
Response: 2341724
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



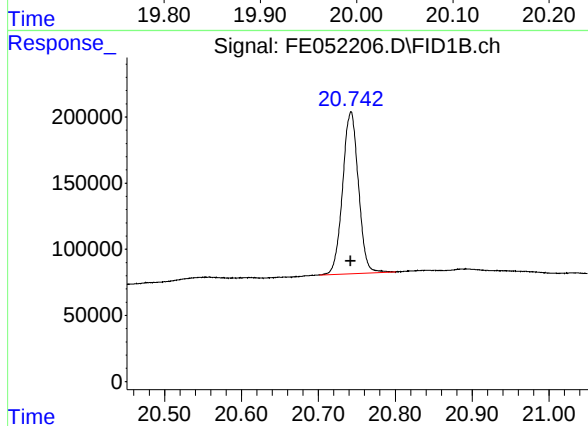
#18 n-Dotriacontane (C32)

R.T.: 19.223 min
Delta R.T.: 0.000 min
Response: 2251455
Conc: 20.00 ug/ml



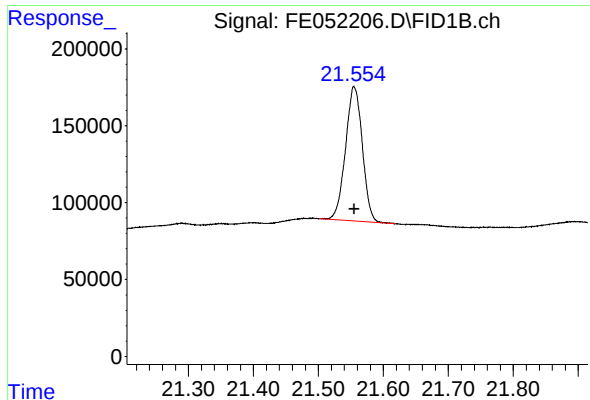
#19 n-Tetratriacontane (C34)

R.T.: 20.005 min
Delta R.T.: 0.000 min
Response: 1973116
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

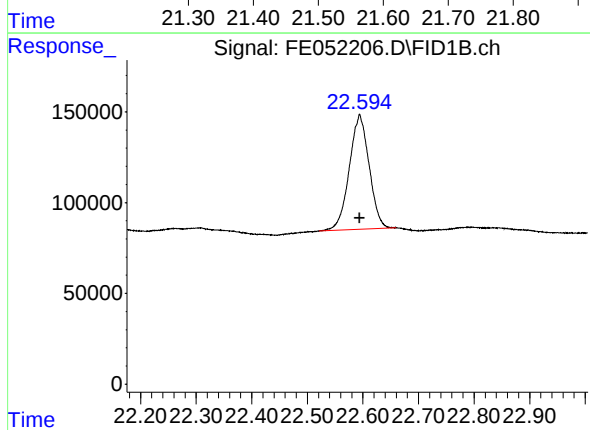
R.T.: 20.742 min
Delta R.T.: 0.000 min
Response: 1746459
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.555 min
Delta R.T.: 0.000 min
Response: 1567789
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.594 min
Delta R.T.: 0.000 min
Response: 1563988
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052206.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:51
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.728	3.684	3.784	BB	212689	1910058	75.46%	4.081%
2	4.960	4.914	5.024	BB	214588	1963921	77.59%	4.196%
3	6.666	6.631	6.731	BB	234838	2188464	86.46%	4.676%
4	7.096	7.064	7.151	BB	219129	2024565	79.99%	4.326%
5	7.750	7.708	7.828	BB	222327	2145432	84.76%	4.584%
6	8.909	8.868	8.974	BB	214132	2068384	81.72%	4.419%
7	10.507	10.474	10.564	BB	224497	2221228	87.76%	4.746%
8	11.944	11.901	11.991	BB	228806	2321135	91.70%	4.959%
9	12.281	12.248	12.334	BB	241475	2531107	100.00%	5.408%
10	13.249	13.211	13.314	BB	206427	2308963	91.22%	4.933%
11	13.697	13.661	13.761	BB	186984	2020549	79.83%	4.317%
12	13.859	13.821	13.924	BB	208057	2305830	91.10%	4.927%
13	14.443	14.408	14.498	BB	202147	2316758	91.53%	4.950%
14	15.542	15.504	15.604	BB	196375	2358406	93.18%	5.039%
15	16.560	16.488	16.594	BB	192221	2351140	92.89%	5.024%
16	17.507	17.361	17.548	BB	185246	2322220	91.75%	4.962%
17	18.393	18.341	18.434	BB	185006	2341724	92.52%	5.003%
18	19.223	19.181	19.264	BB	175505	2251455	88.95%	4.811%
19	20.005	19.961	20.041	BV	150759	1973116	77.95%	4.216%
20	20.742	20.701	20.801	BV	121392	1746459	69.00%	3.732%
21	21.555	21.501	21.619	BBA	87642	1567789	61.94%	3.350%
22	22.594	22.521	22.659	BBA	63231	1563988	61.79%	3.342%
Sum of corrected areas:							46802690	

Aliphatic EPH 020325.M Mon Feb 03 23:16:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052207.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 13:54
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 03 14:21:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 14:21:31 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)	12.277	1238230	10.237 ug/ml
Spiked Amount 50.000		Recovery =	20.47%
12) S 1-chlorooctadecane (S...	13.692	986944	10.230 ug/ml
Spiked Amount 50.000		Recovery =	20.46%
Target Compounds			
1) T n-Nonane (C9)	3.729	938941	10.288 ug/ml
2) T n-Decane (C10)	4.960	962570	10.251 ug/ml
3) T A~Naphthalene (C11.7)	6.666	1068394	10.204 ug/ml
4) T n-Dodecane (C12)	7.096	989497	10.203 ug/ml
5) T A~2-methylnaphthalene...	7.749	1037240	10.082 ug/ml
6) T n-Tetradecane (C14)	8.908	1004411	10.137 ug/ml
7) T n-Hexadecane (C16)	10.505	1082834	10.189 ug/ml
8) T n-Octadecane (C18)	11.940	1134536	10.226 ug/ml
10) T n-Eicosane (C20)	13.245	1128534	10.250 ug/ml
11) T n-Heneicosane (C21)	13.855	1126899	10.252 ug/ml
13) T n-Docosane (C22)	14.439	1133675	10.255 ug/ml
14) T n-Tetracosane (C24)	15.538	1151247	10.251 ug/ml
15) T n-Hexacosane (C26)	16.556	1152330	10.281 ug/ml
16) T n-Octacosane (C28)	17.503	1139904	10.322 ug/ml
17) T n-Tricontane (C30)	18.388	1152823	10.399 ug/ml
18) T n-Dotriacontane (C32)	19.219	1100242	10.431 ug/ml
19) T n-Tetratriacontane (C34)	20.001	951382	10.356 ug/ml
20) T n-Hexatriacontane (C36)	20.739	843309	10.518 ug/ml
21) T n-Octatriacontane (C38)	21.550	734685	10.160 ug/mlm
22) T n-Tetracontane (C40)	22.588	776821	10.657 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052207.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 13:54
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

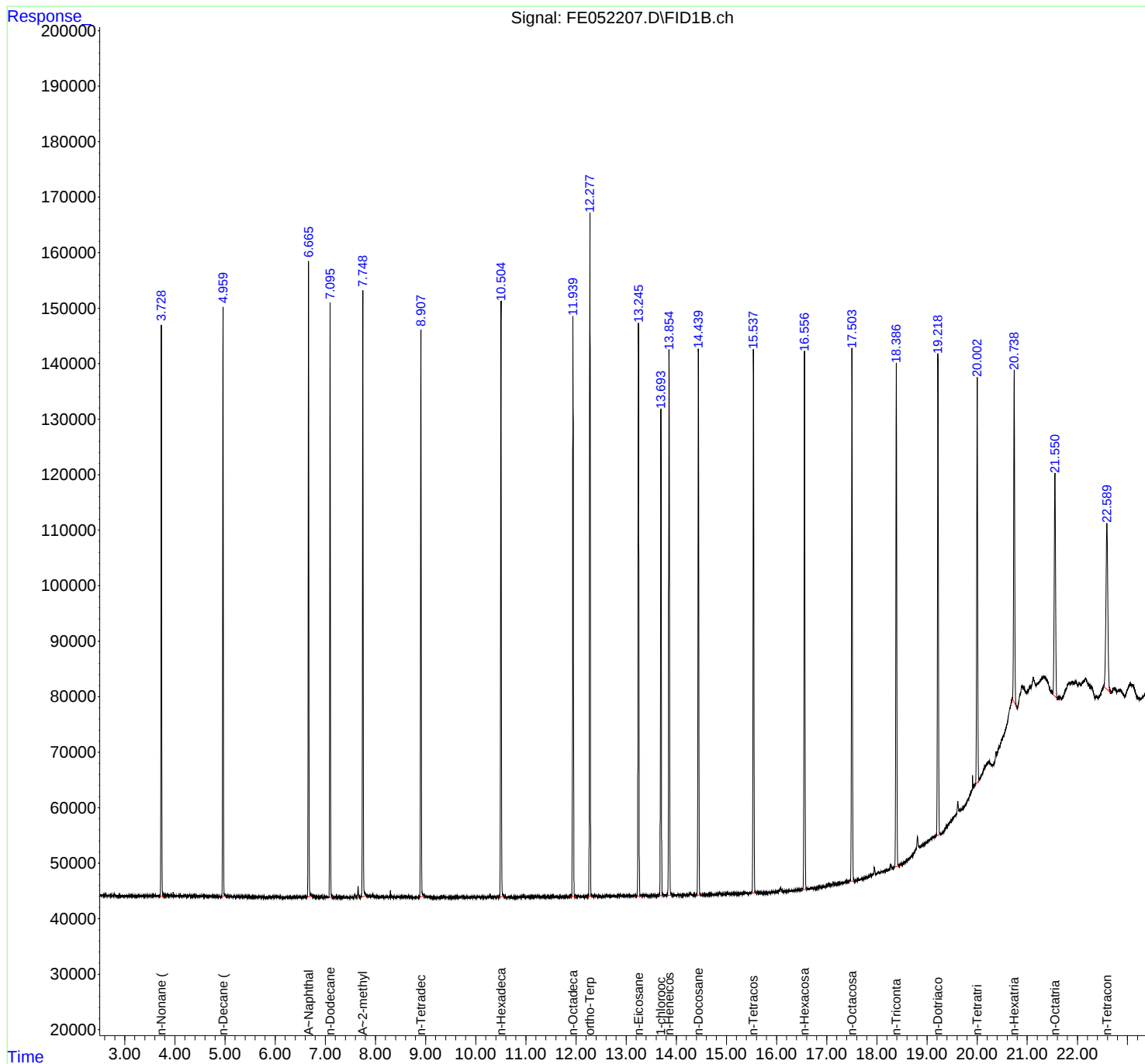
Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

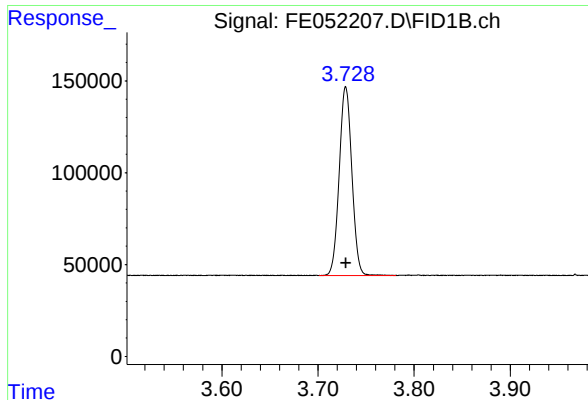
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
Quant Time: Feb 03 14:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Mon Feb 03 14:21:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





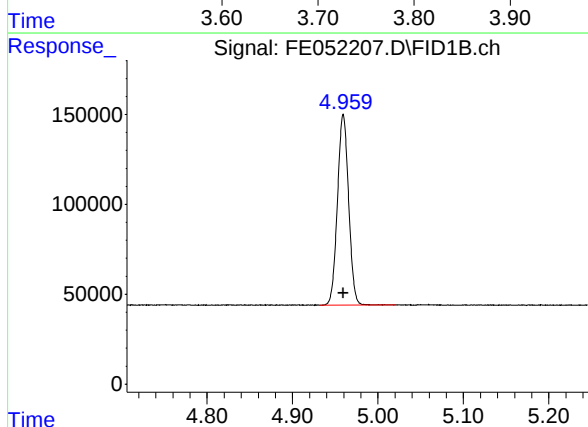
#1 n-Nonane (C9)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 938941
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

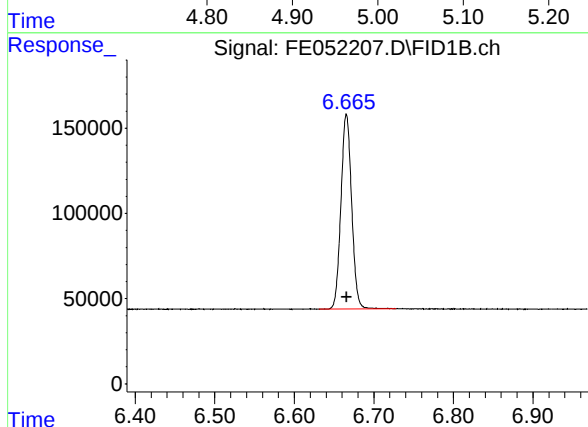
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



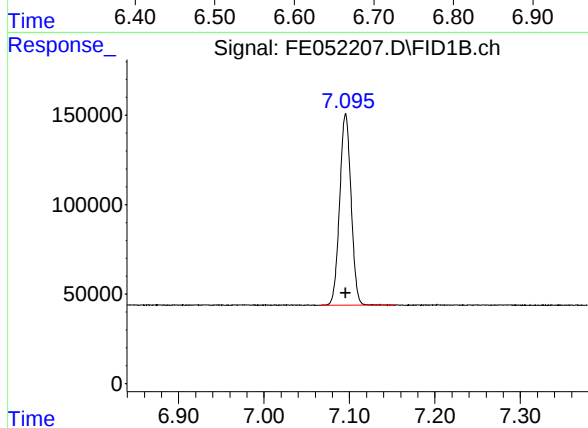
#2 n-Decane (C10)

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 962570
Conc: 10.25 ug/ml



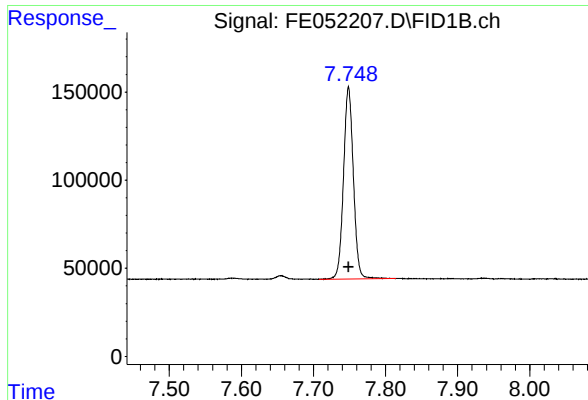
#3 A~Naphthalene (C11.7)

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 1068394
Conc: 10.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 989497
Conc: 10.20 ug/ml



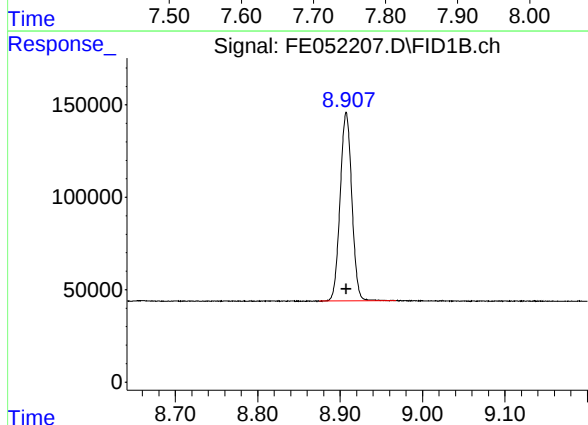
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 1037240
Conc: 10.08 ug/ml

Instrument : FID_E
ClientSampleId : 10 PPM ALIPHATIC HC STD4

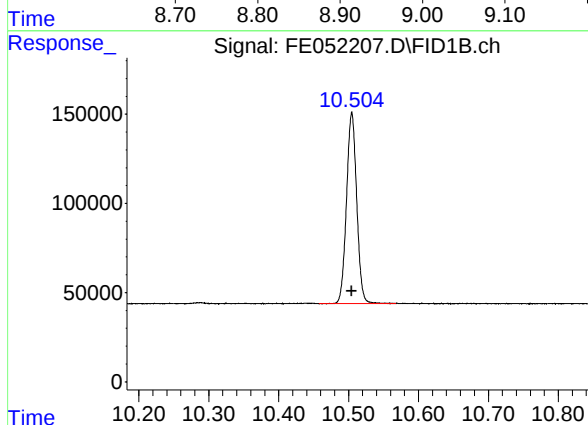
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



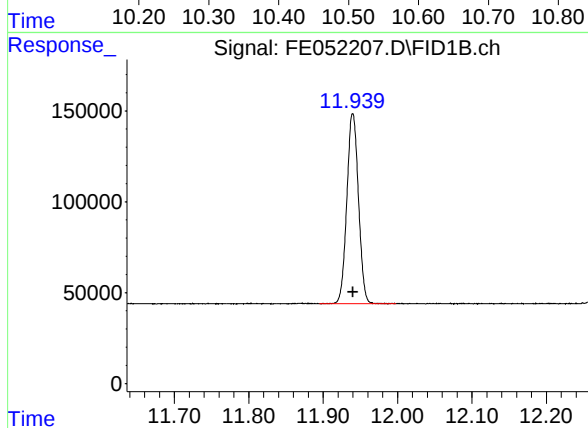
#6 n-Tetradecane (C14)

R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 1004411
Conc: 10.14 ug/ml



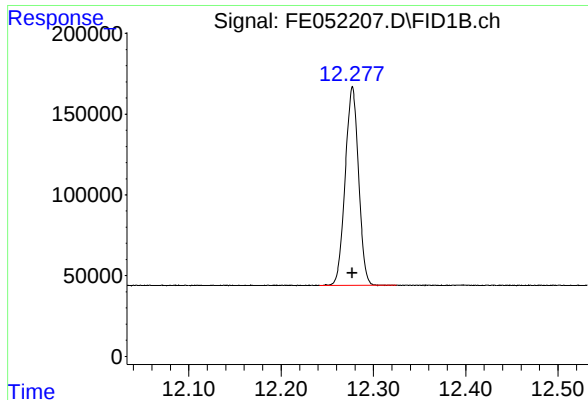
#7 n-Hexadecane (C16)

R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 1082834
Conc: 10.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 1134536
Conc: 10.23 ug/ml



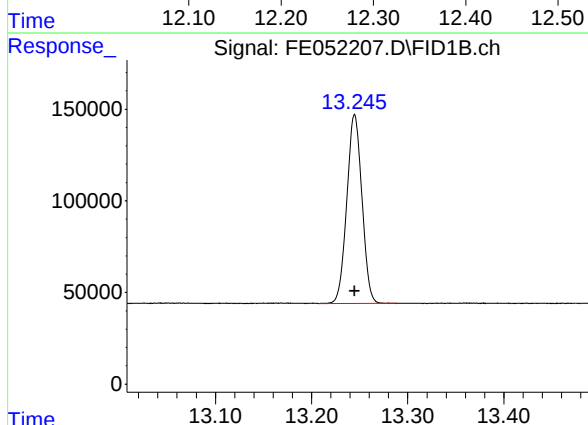
#9 ortho-Terphenyl (SURR)

R.T.: 12.277 min
Delta R.T.: 0.000 min
Response: 1238230
Conc: 10.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

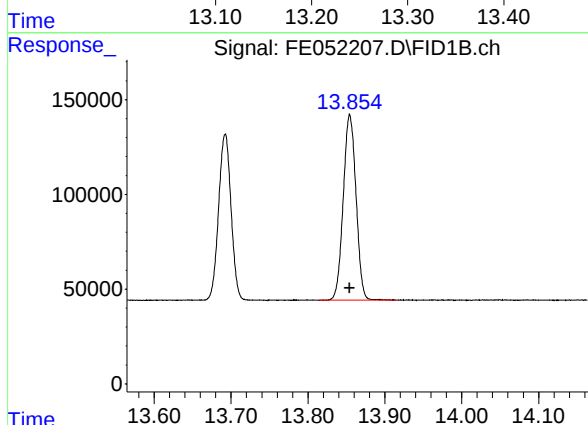
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



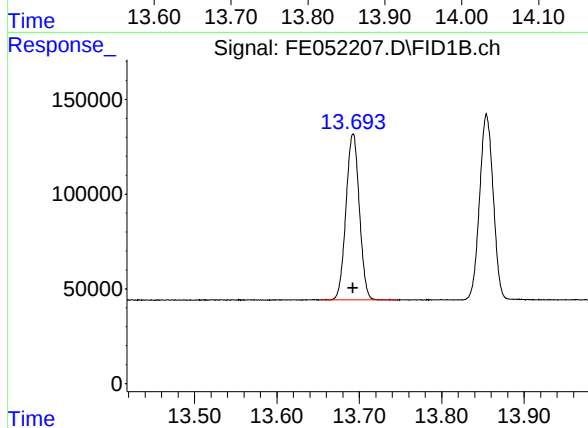
#10 n-Eicosane (C20)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 1128534
Conc: 10.25 ug/ml



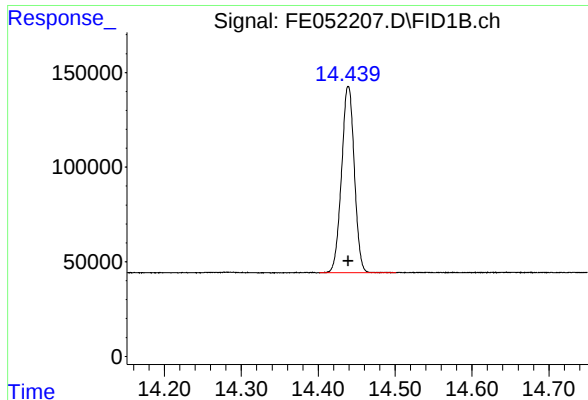
#11 n-Heneicosane (C21)

R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 1126899
Conc: 10.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 986944
Conc: 10.23 ug/ml



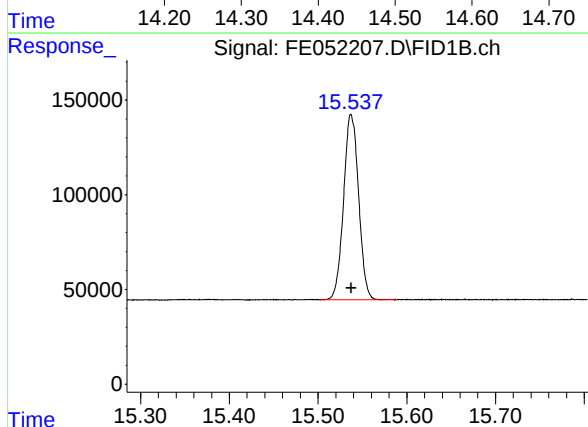
#13 n-Docosane (C22)

R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 1133675
Conc: 10.26 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

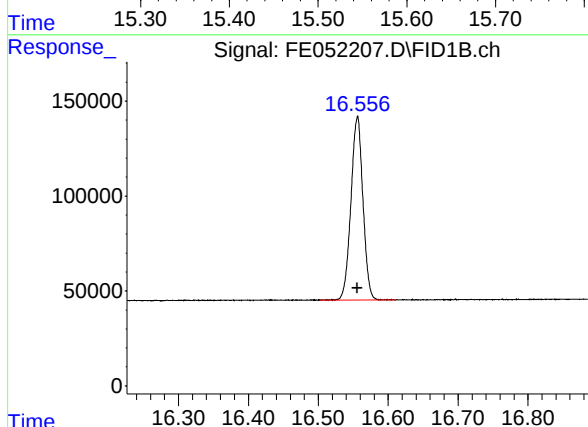
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



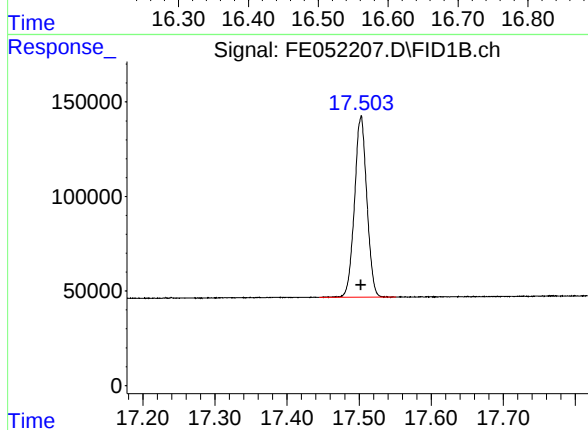
#14 n-Tetracosane (C24)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 1151247
Conc: 10.25 ug/ml



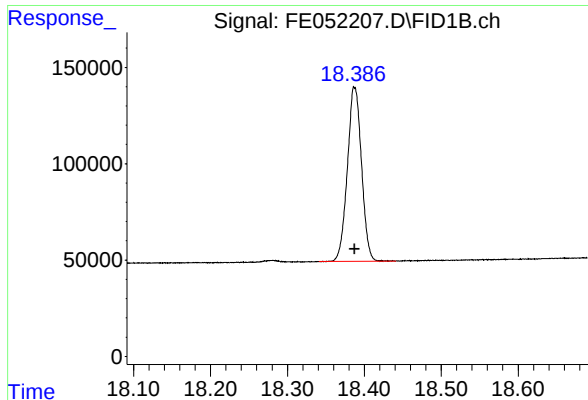
#15 n-Hexacosane (C26)

R.T.: 16.556 min
Delta R.T.: 0.000 min
Response: 1152330
Conc: 10.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.503 min
Delta R.T.: 0.000 min
Response: 1139904
Conc: 10.32 ug/ml



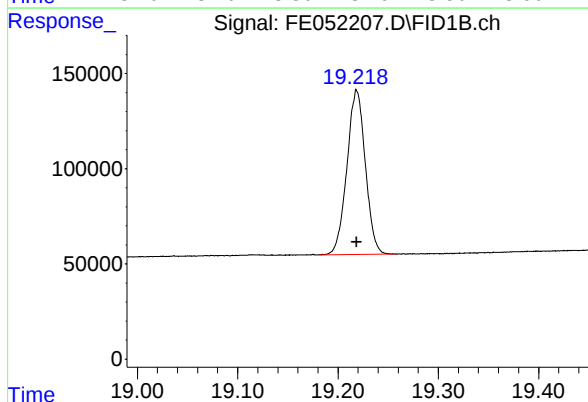
#17 n-Tricontane (C30)

R.T.: 18.388 min
Delta R.T.: 0.000 min
Response: 1152823
Conc: 10.40 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

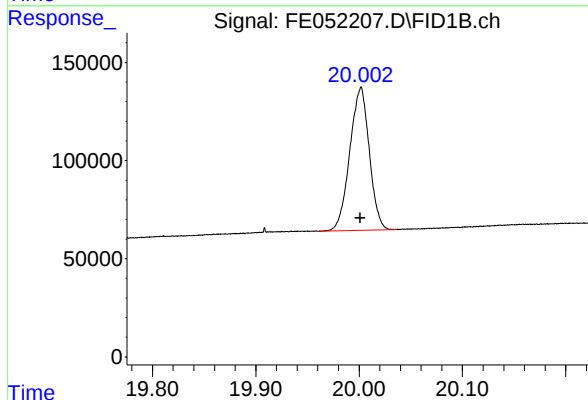
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



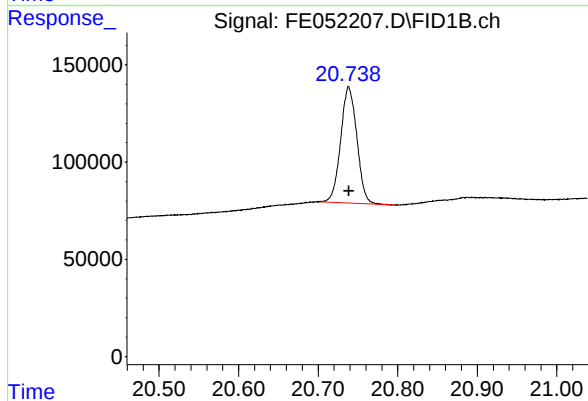
#18 n-Dotriacontane (C32)

R.T.: 19.219 min
Delta R.T.: 0.000 min
Response: 1100242
Conc: 10.43 ug/ml



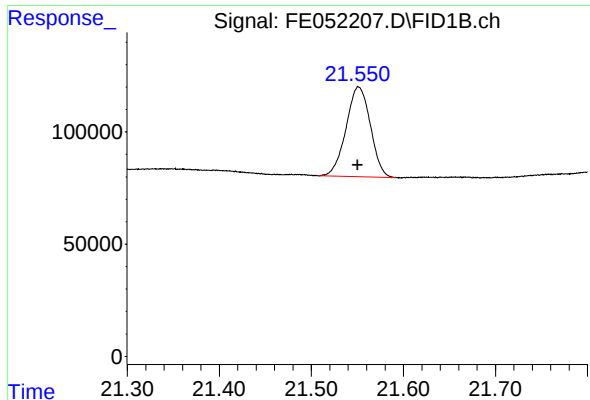
#19 n-Tetratriacontane (C34)

R.T.: 20.001 min
Delta R.T.: 0.000 min
Response: 951382
Conc: 10.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.739 min
Delta R.T.: 0.000 min
Response: 843309
Conc: 10.52 ug/ml



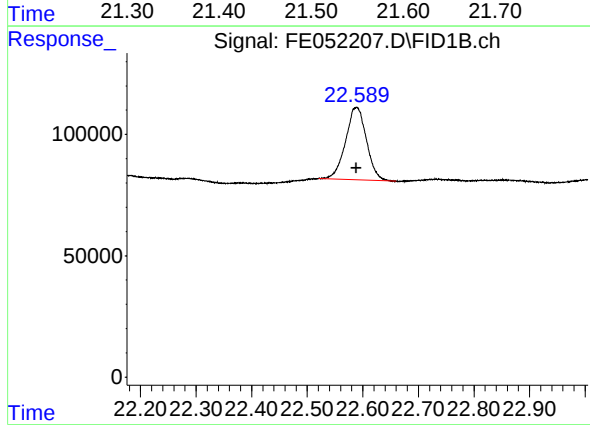
#21 n-Octatriacontane (C38)

R.T.: 21.550 min
Delta R.T.: 0.000 min
Response: 734685
Conc: 10.16 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#22 n-Tetracontane (C40)

R.T.: 22.588 min
Delta R.T.: 0.000 min
Response: 776821
Conc: 10.66 ug/ml

rtres

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02032
Data File : FE052207.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 13:54
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.729	3.701	3.781	BB	102539	938941	75.83%	4.115%
2	4.960	4.931	5.021	BB	105060	962570	77.74%	4.218%
3	6.666	6.631	6.728	BB	114200	1068394	86.28%	4.682%
4	7.096	7.065	7.155	BB	106323	989497	79.91%	4.336%
5	7.749	7.708	7.815	BB	108162	1037240	83.77%	4.546%
6	8.908	8.875	8.968	BB	101688	1004411	81.12%	4.402%
7	10.505	10.458	10.568	BB	106706	1082834	87.45%	4.746%
8	11.940	11.895	11.998	BB	104135	1134536	91.63%	4.972%
9	12.277	12.241	12.325	BB	122818	1238230	100.00%	5.427%
10	13.245	13.208	13.288	BB	102989	1128534	91.14%	4.946%
11	13.692	13.651	13.745	BB	87452	986944	79.71%	4.325%
12	13.855	13.815	13.915	BB	97614	1126899	91.01%	4.939%
13	14.439	14.401	14.501	BB	98922	1133675	91.56%	4.968%
14	15.538	15.501	15.588	BB	97159	1151247	92.98%	5.045%
15	16.556	16.501	16.611	BB	95579	1152330	93.06%	5.050%
16	17.503	17.445	17.551	BB	94887	1139904	92.06%	4.996%
17	18.388	18.341	18.441	BB	90217	1152823	93.10%	5.052%
18	19.219	19.181	19.258	BB	85940	1100242	88.86%	4.822%
19	20.001	19.961	20.036	BV	72283	951382	76.83%	4.169%
20	20.739	20.701	20.798	BV	59613	843309	68.11%	3.696%
21	21.551	21.501	21.620	BBA	39826	717207	57.92%	3.143%
22	22.588	22.521	22.660	BBA	29812	776821	62.74%	3.404%
Sum of corrected areas:						22817966		

Aliphatic EPH 020325.M Mon Feb 03 23:16:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052208.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 14:54
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Feb 03 15:16:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 15:15:58 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)	12.275	675166	5.455 ug/ml
Spiked Amount 50.000		Recovery =	10.91%
12) S 1-chlorooctadecane (S...	13.692	537706	5.448 ug/ml
Spiked Amount 50.000		Recovery =	10.90%
Target Compounds			
1) T n-Nonane (C9)	3.725	509805	5.458 ug/ml
2) T n-Decane (C10)	4.956	522835	5.444 ug/ml
3) T A~Naphthalene (C11.7)	6.662	577816	5.407 ug/ml
4) T n-Dodecane (C12)	7.092	538293	5.431 ug/ml
5) T A~2-methylnaphthalene...	7.746	560813	5.355 ug/ml
6) T n-Tetradecane (C14)	8.904	541104	5.362 ug/ml
7) T n-Hexadecane (C16)	10.502	587427	5.413 ug/ml
8) T n-Octadecane (C18)	11.939	621188	5.468 ug/ml
10) T n-Eicosane (C20)	13.244	619216	5.487 ug/ml
11) T n-Heneicosane (C21)	13.854	616867	5.478 ug/ml
13) T n-Docosane (C22)	14.439	618861	5.467 ug/ml
14) T n-Tetracosane (C24)	15.538	628281	5.464 ug/ml
15) T n-Hexacosane (C26)	16.555	625490	5.454 ug/ml
16) T n-Octacosane (C28)	17.503	619953	5.479 ug/ml
17) T n-Tricontane (C30)	18.388	631538	5.542 ug/ml
18) T n-Dotriacontane (C32)	19.218	616160	5.652 ug/ml
19) T n-Tetratriacontane (C34)	20.000	534446	5.633 ug/ml
20) T n-Hexatriacontane (C36)	20.738	462202	5.594 ug/ml
21) T n-Octatriacontane (C38)	21.549	411671	5.541 ug/ml
22) T n-Tetracontane (C40)	22.584	406021	5.446 ug/ml

(f)=RT Delta > 1/2 Window

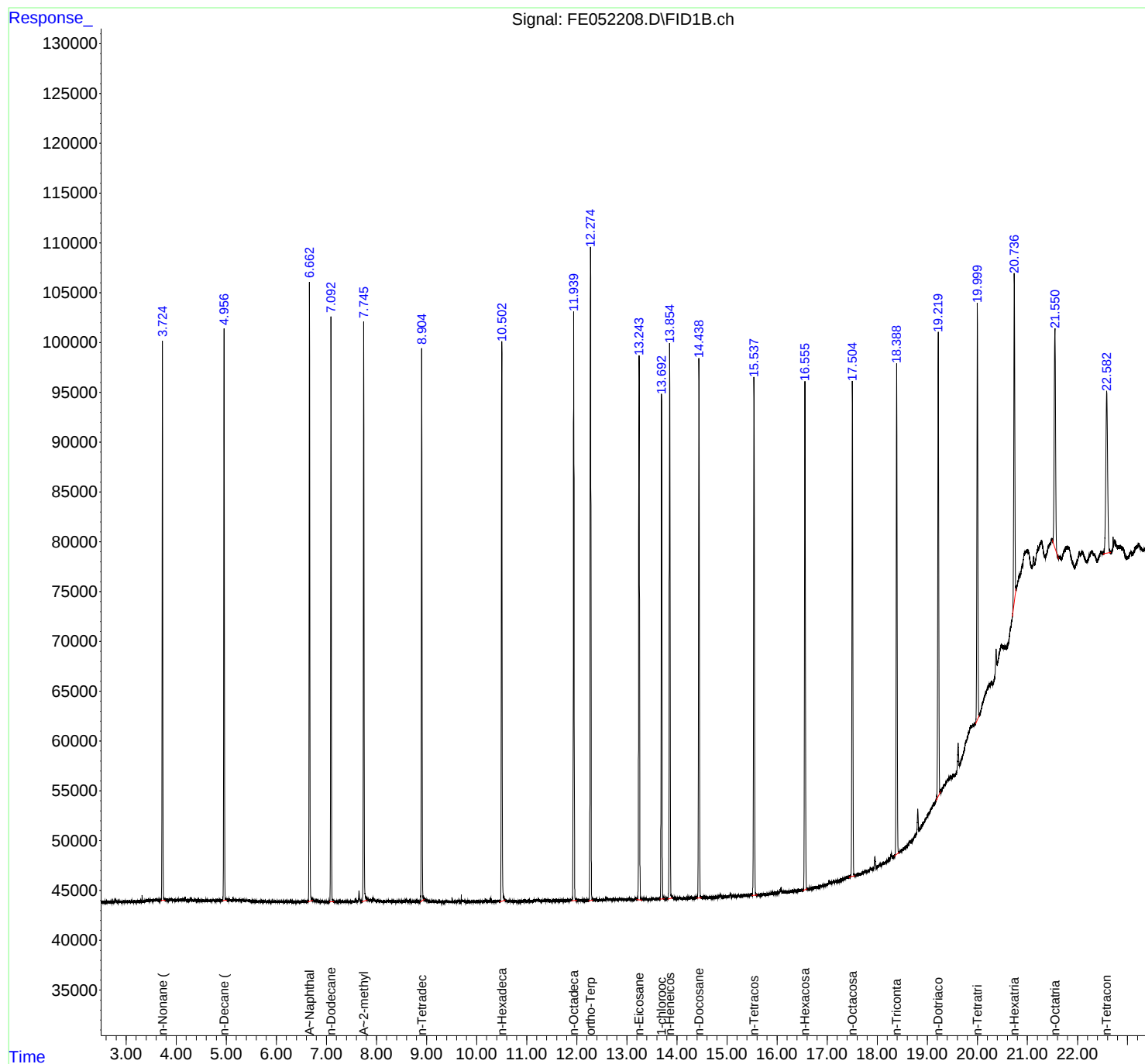
(m)=manual int.

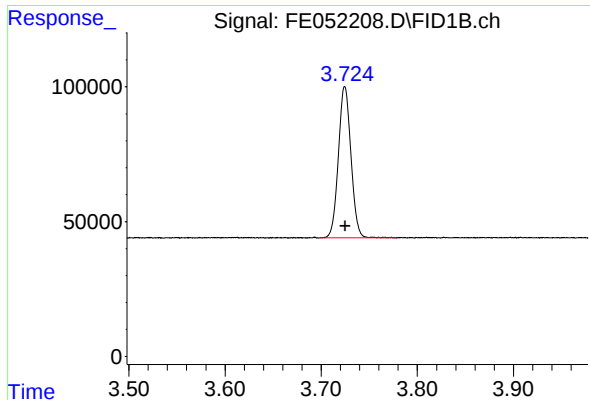
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052208.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 03 15:16:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

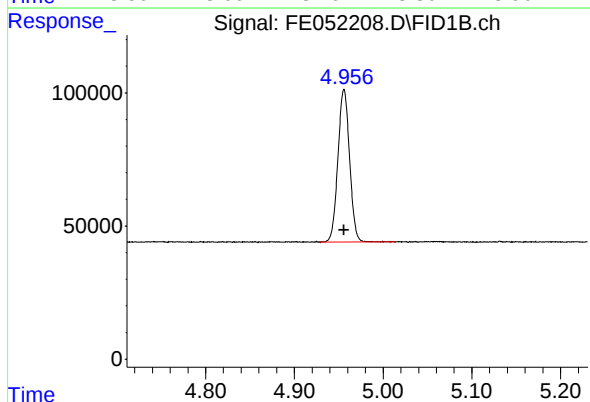




#1 n-Nonane (C9)

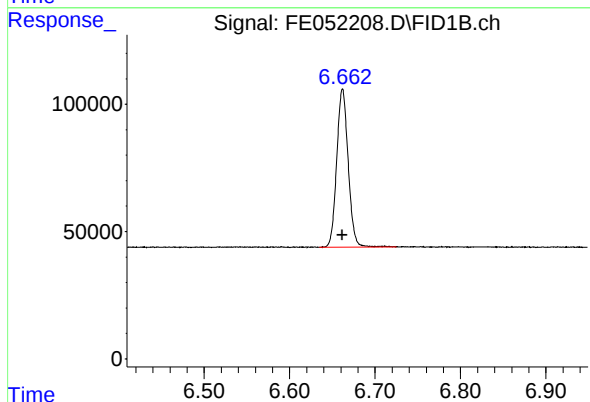
R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 509805
Conc: 5.46 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



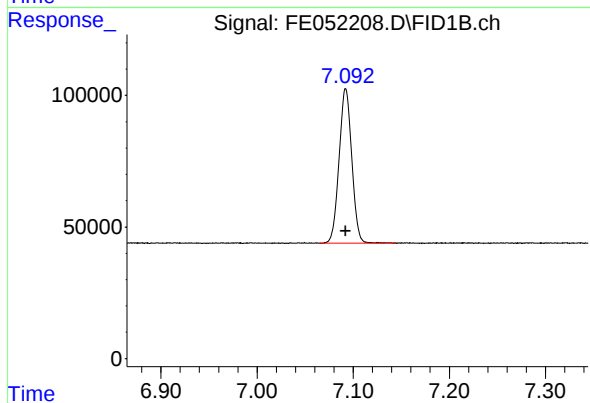
#2 n-Decane (C10)

R.T.: 4.956 min
Delta R.T.: 0.000 min
Response: 522835
Conc: 5.44 ug/ml



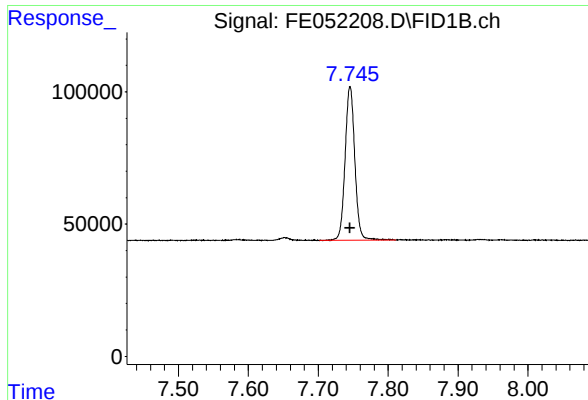
#3 A~Naphthalene (C11.7)

R.T.: 6.662 min
Delta R.T.: 0.000 min
Response: 577816
Conc: 5.41 ug/ml



#4 n-Dodecane (C12)

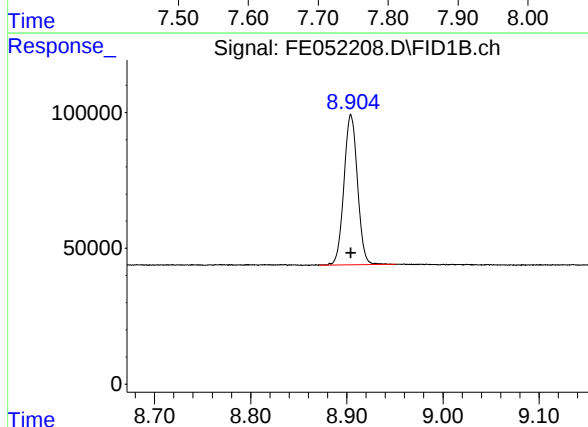
R.T.: 7.092 min
Delta R.T.: 0.000 min
Response: 538293
Conc: 5.43 ug/ml



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

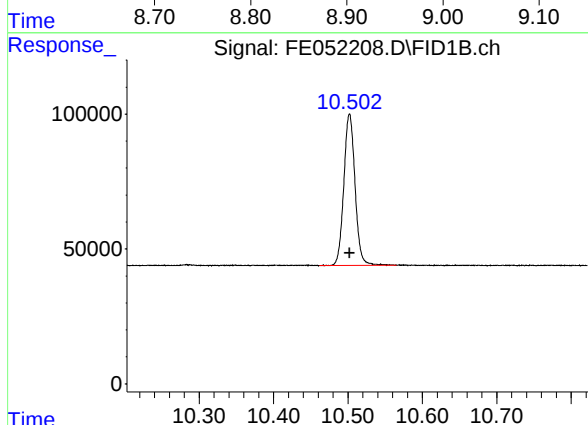
R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 560813
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



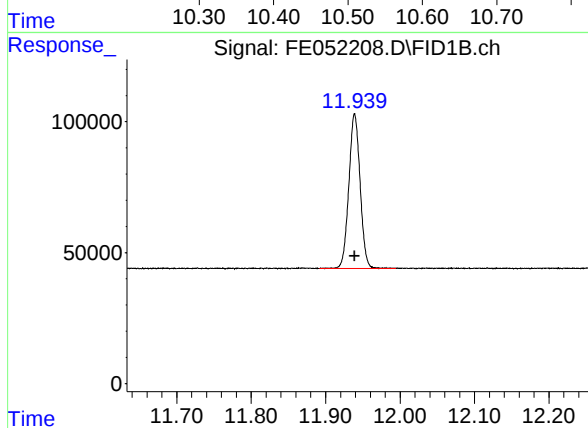
#6 n-Tetradecane (C14)

R.T.: 8.904 min
Delta R.T.: 0.000 min
Response: 541104
Conc: 5.36 ug/ml



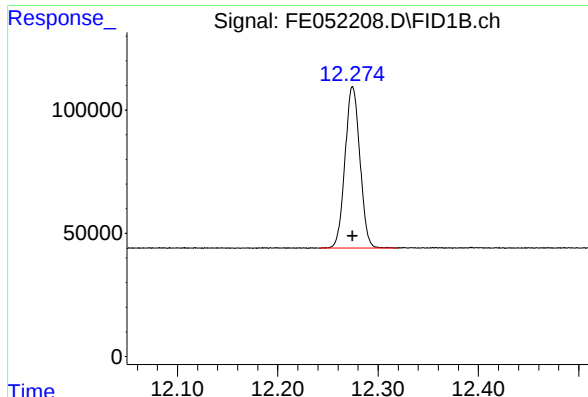
#7 n-Hexadecane (C16)

R.T.: 10.502 min
Delta R.T.: 0.000 min
Response: 587427
Conc: 5.41 ug/ml



#8 n-Octadecane (C18)

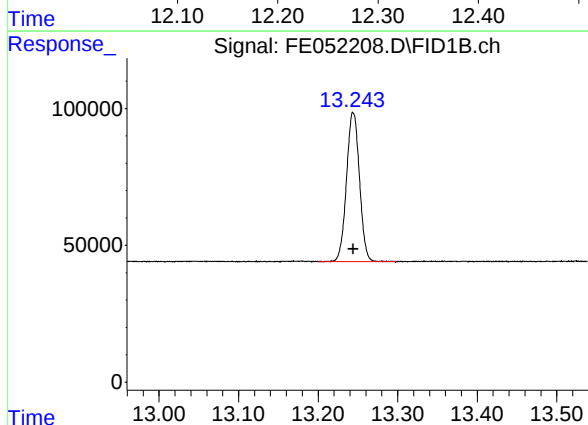
R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 621188
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

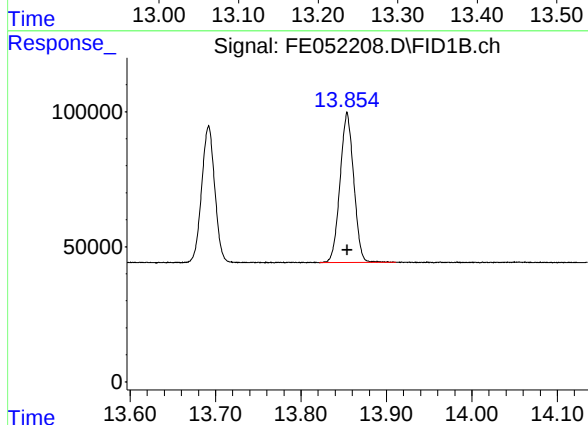
R.T.: 12.275 min
Delta R.T.: 0.000 min
Response: 675166
Conc: 5.46 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



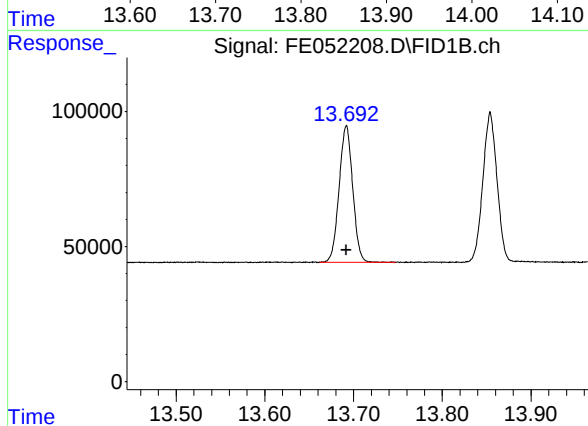
#10 n-Eicosane (C20)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 619216
Conc: 5.49 ug/ml



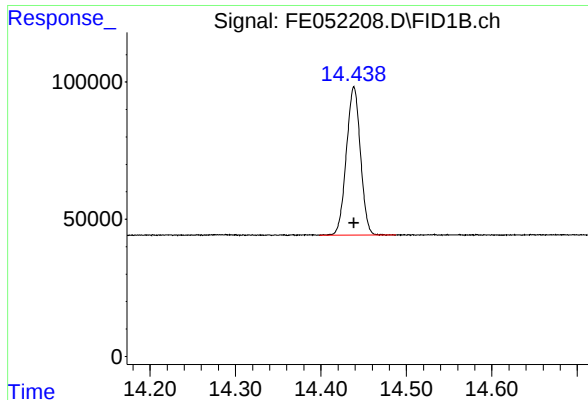
#11 n-Heneicosane (C21)

R.T.: 13.854 min
Delta R.T.: 0.000 min
Response: 616867
Conc: 5.48 ug/ml



#12 1-chlorooctadecane (SURR)

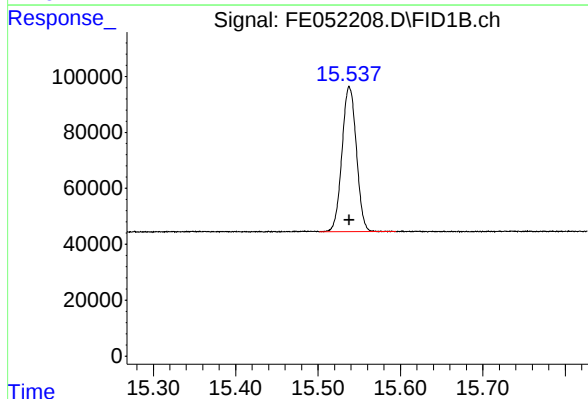
R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 537706
Conc: 5.45 ug/ml



#13 n-Docosane (C22)

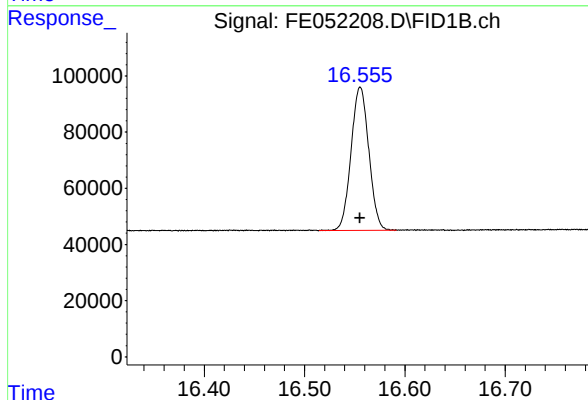
R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 618861
Conc: 5.47 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



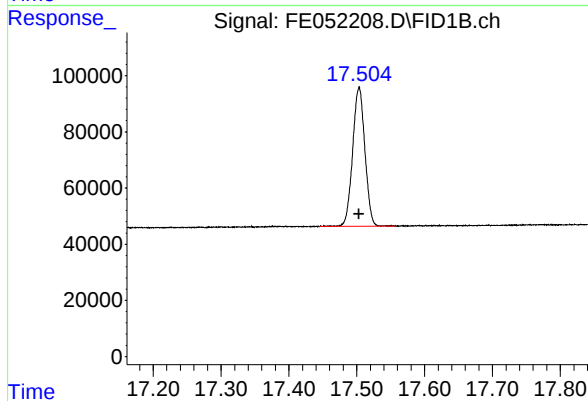
#14 n-Tetracosane (C24)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 628281
Conc: 5.46 ug/ml



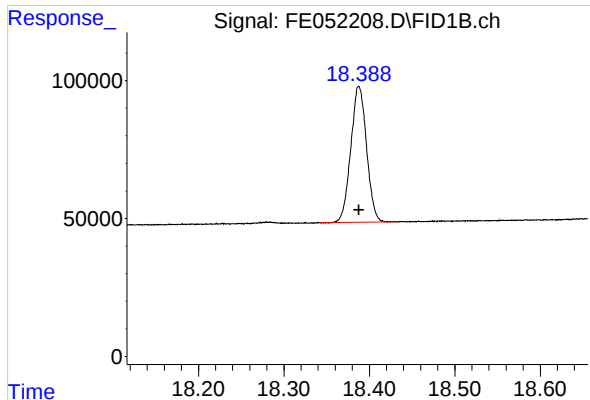
#15 n-Hexacosane (C26)

R.T.: 16.555 min
Delta R.T.: 0.000 min
Response: 625490
Conc: 5.45 ug/ml



#16 n-Octacosane (C28)

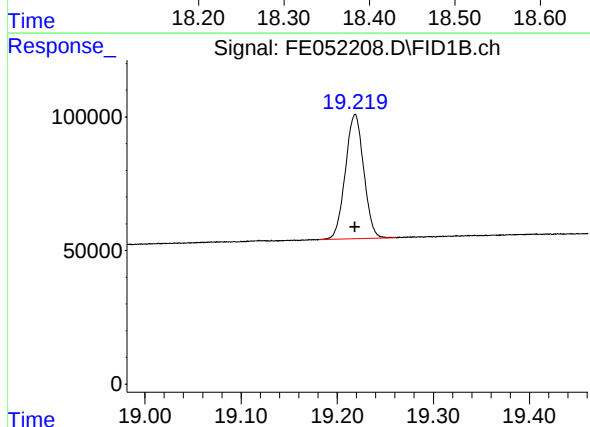
R.T.: 17.503 min
Delta R.T.: 0.000 min
Response: 619953
Conc: 5.48 ug/ml



#17 n-Tricontane (C30)

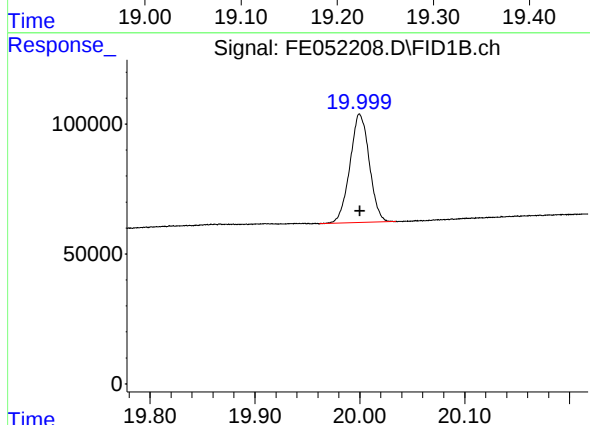
R.T.: 18.388 min
Delta R.T.: 0.000 min
Response: 631538
Conc: 5.54 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



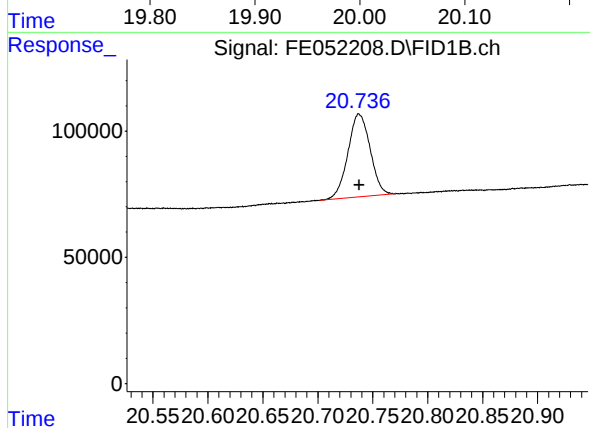
#18 n-Dotriacontane (C32)

R.T.: 19.218 min
Delta R.T.: 0.000 min
Response: 616160
Conc: 5.65 ug/ml



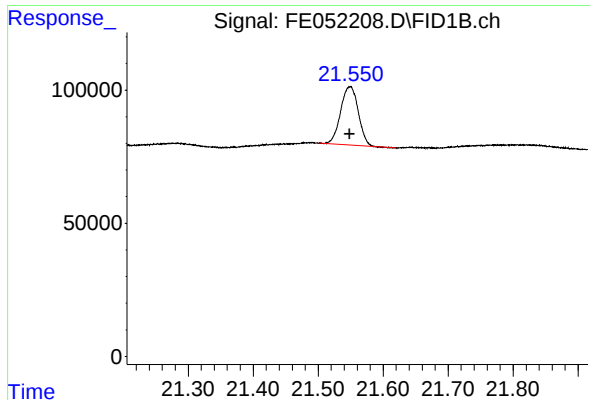
#19 n-Tetatriacontane (C34)

R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 534446
Conc: 5.63 ug/ml



#20 n-Hexatriacontane (C36)

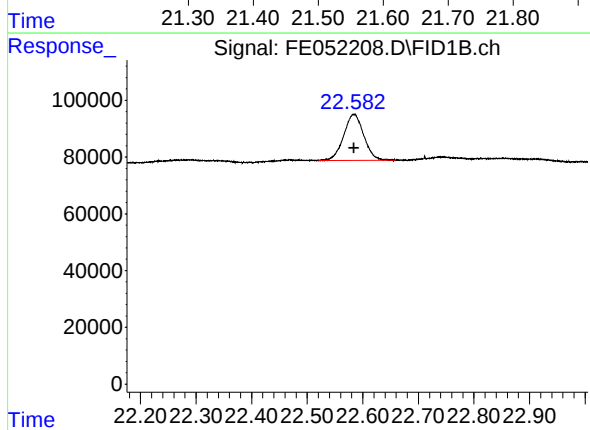
R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 462202
Conc: 5.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.549 min
Delta R.T.: 0.000 min
Response: 411671
Conc: 5.54 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.584 min
Delta R.T.: 0.000 min
Response: 406021
Conc: 5.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052208.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 14:54
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.725	3.698	3.778	BB	56186	509805	75.51%	4.091%
2	4.956	4.928	5.015	BB	56941	522835	77.44%	4.195%
3	6.662	6.635	6.725	BB	61792	577816	85.58%	4.636%
4	7.092	7.065	7.145	BB	58535	538293	79.73%	4.319%
5	7.746	7.701	7.811	BB	58018	560813	83.06%	4.500%
6	8.904	8.871	8.951	BB	55051	541104	80.14%	4.342%
7	10.502	10.461	10.565	BB	56012	587427	87.00%	4.713%
8	11.939	11.891	11.995	BB	58868	621188	92.01%	4.984%
9	12.275	12.241	12.318	BB	65473	675166	100.00%	5.417%
10	13.244	13.201	13.298	BB	54562	619216	91.71%	4.968%
11	13.692	13.661	13.748	BB	50221	537706	79.64%	4.314%
12	13.854	13.821	13.911	BB	55015	616867	91.37%	4.950%
13	14.439	14.398	14.488	BB	53888	618861	91.66%	4.966%
14	15.538	15.501	15.595	BB	51765	628281	93.06%	5.041%
15	16.555	16.515	16.591	BB	50830	625490	92.64%	5.019%
16	17.503	17.445	17.558	BB	49581	619953	91.82%	4.974%
17	18.388	18.341	18.431	BB	49257	631538	93.54%	5.067%
18	19.218	19.181	19.261	BB	46329	616160	91.26%	4.944%
19	20.000	19.961	20.035	BB	41139	534446	79.16%	4.288%
20	20.738	20.701	20.771	BV	32757	462202	68.46%	3.709%
21	21.549	21.501	21.620	BBA	21933	411671	60.97%	3.303%
22	22.584	22.521	22.660	BBA	16211	406021	60.14%	3.258%
Sum of corrected areas:							12462858	

Aliphatic EPH 020325.M Mon Feb 03 23:16:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052209.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 15:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Feb 03 15:56:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 15:16:54 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)	12.275	2478295	20.023 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
12) S 1-chlorooctadecane (S...	13.692	1974452	20.006 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
Target Compounds			
1) T n-Nonane (C9)	3.724	1853639	19.845 ug/ml
2) T n-Decane (C10)	4.956	1906387	19.852 ug/ml
3) T A~Naphthalene (C11.7)	6.661	2131194	19.942 ug/ml
4) T n-Dodecane (C12)	7.092	1974107	19.917 ug/ml
5) T A~2-methylnaphthalene...	7.745	2093692	19.991 ug/ml
6) T n-Tetradecane (C14)	8.905	2025590	20.073 ug/ml
7) T n-Hexadecane (C16)	10.502	2177931	20.070 ug/ml
8) T n-Octadecane (C18)	11.939	2272916	20.008 ug/ml
10) T n-Eicosane (C20)	13.244	2257366	20.003 ug/ml
11) T n-Heneicosane (C21)	13.854	2250622	19.985 ug/ml
13) T n-Docosane (C22)	14.439	2262979	19.993 ug/ml
14) T n-Tetracosane (C24)	15.537	2294707	19.958 ug/ml
15) T n-Hexacosane (C26)	16.556	2282984	19.907 ug/ml
16) T n-Octacosane (C28)	17.504	2244040	19.833 ug/ml
17) T n-Tricontane (C30)	18.387	2249645	19.743 ug/ml
18) T n-Dotriacontane (C32)	19.218	2140554	19.633 ug/ml
19) T n-Tetratriacontane (C34)	20.000	1869168	19.702 ug/ml
20) T n-Hexatriacontane (C36)	20.738	1609147	19.475 ug/ml
21) T n-Octatriacontane (C38)	21.548	1471524	19.808 ug/ml
22) T n-Tetracontane (C40)	22.583	1437571	19.282 ug/ml

(f)=RT Delta > 1/2 Window

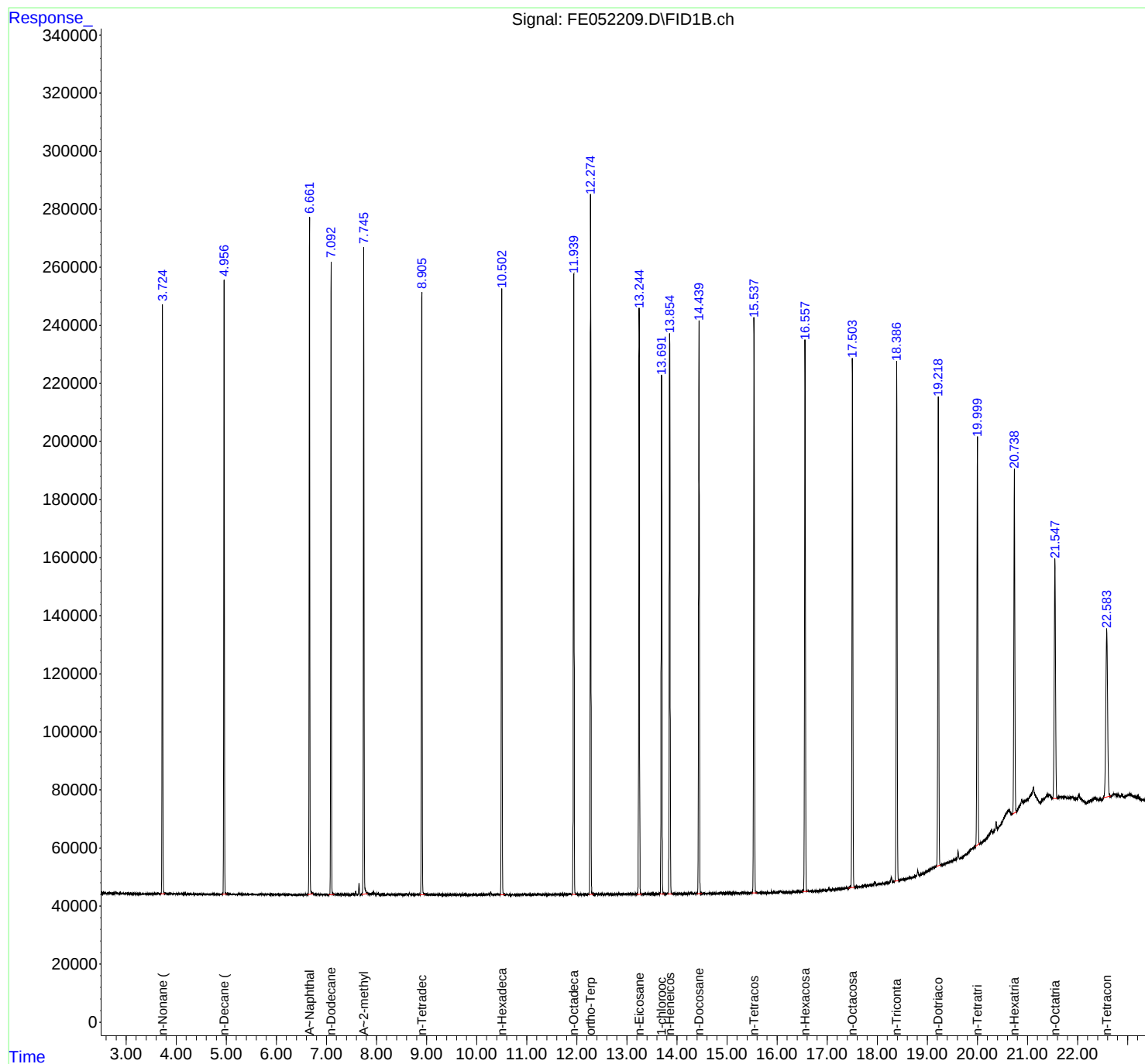
(m)=manual int.

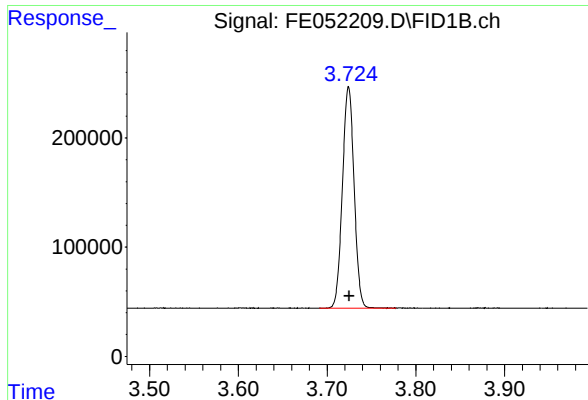
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052209.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Feb 03 15:56:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

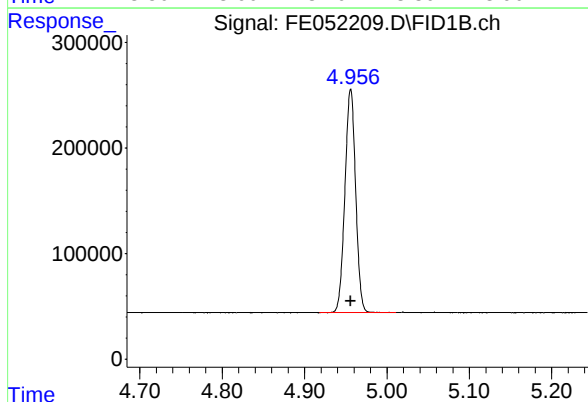
R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1853639
Conc: 19.85 ug/ml

Instrument :

FID_E

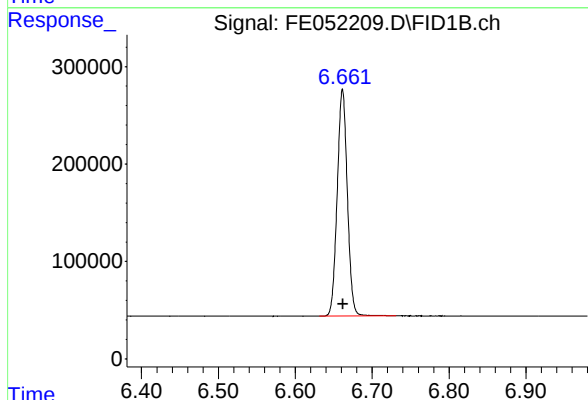
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



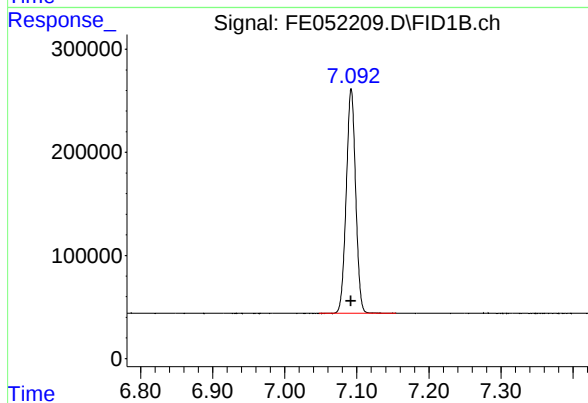
#2 n-Decane (C10)

R.T.: 4.956 min
Delta R.T.: 0.000 min
Response: 1906387
Conc: 19.85 ug/ml



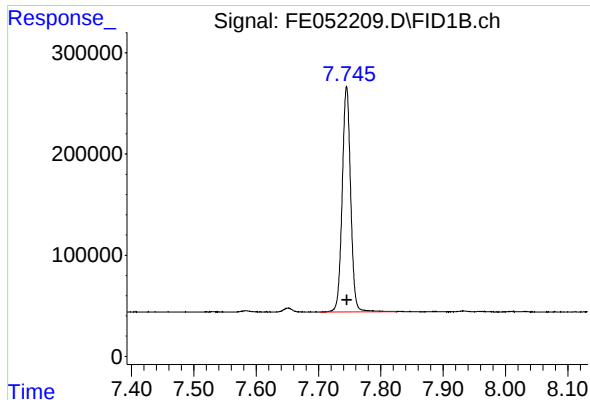
#3 A~Naphthalene (C11.7)

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 2131194
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.092 min
Delta R.T.: 0.000 min
Response: 1974107
Conc: 19.92 ug/ml



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

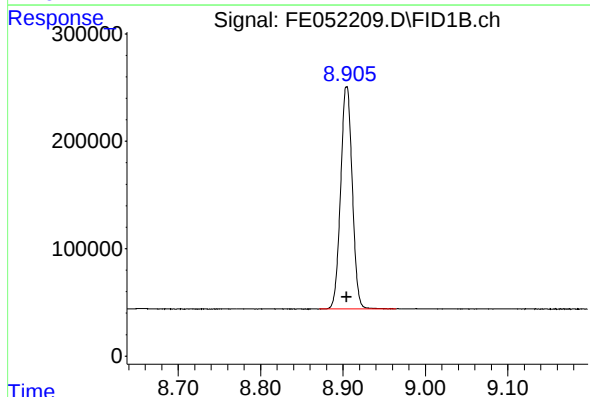
R.T.: 7.745 min
Delta R.T.: 0.000 min
Response: 2093692
Conc: 19.99 ug/ml

Instrument :

FID_E

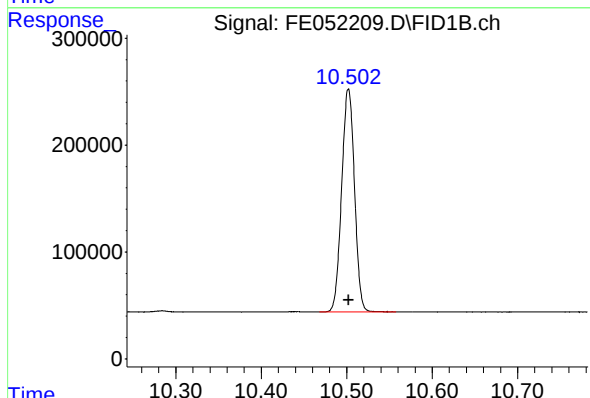
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



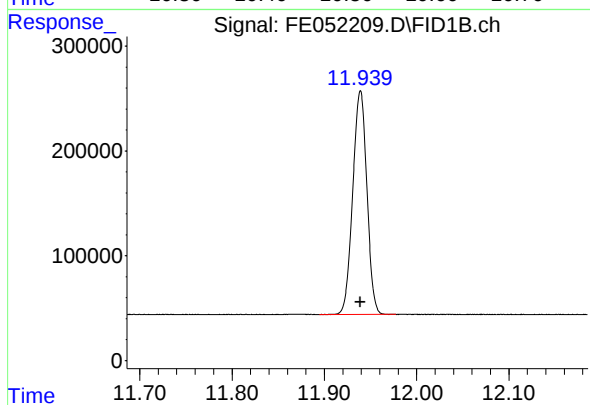
#6 n-Tetradecane (C14)

R.T.: 8.905 min
Delta R.T.: 0.000 min
Response: 2025590
Conc: 20.07 ug/ml



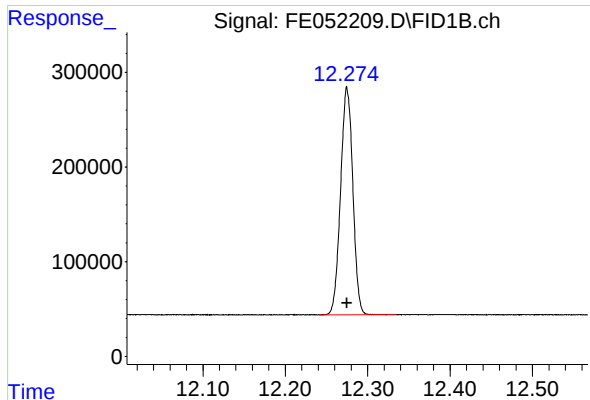
#7 n-Hexadecane (C16)

R.T.: 10.502 min
Delta R.T.: 0.000 min
Response: 2177931
Conc: 20.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 2272916
Conc: 20.01 ug/ml



#9 ortho-Terphenyl (SURR)

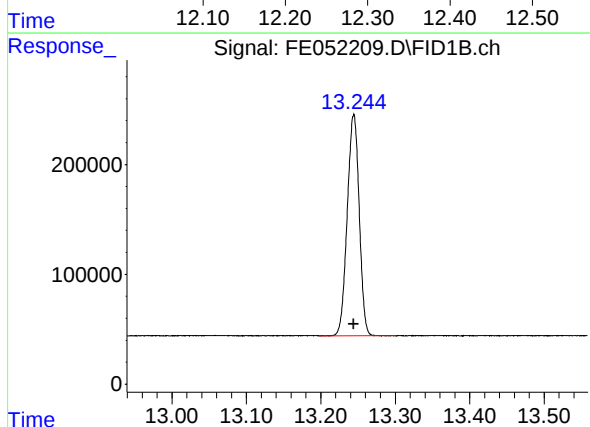
R.T.: 12.275 min
Delta R.T.: 0.000 min
Response: 2478295
Conc: 20.02 ug/ml

Instrument :

FID_E

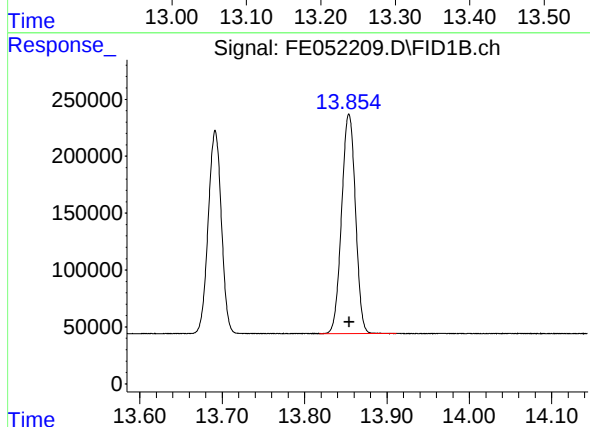
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



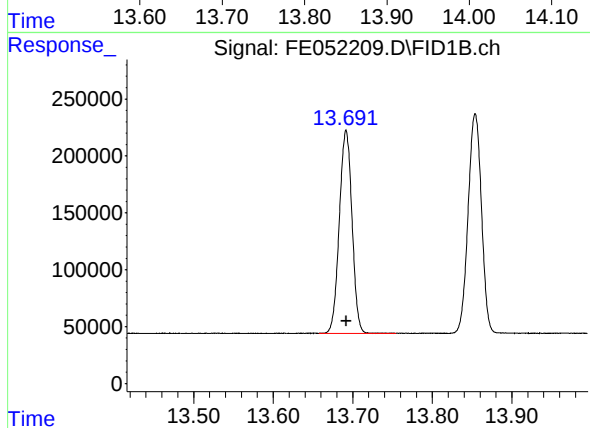
#10 n-Eicosane (C20)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 2257366
Conc: 20.00 ug/ml



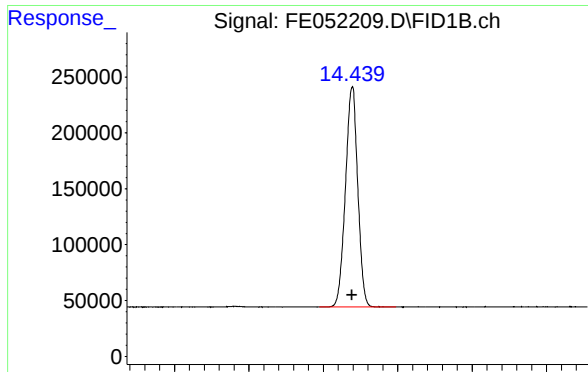
#11 n-Heneicosane (C21)

R.T.: 13.854 min
Delta R.T.: 0.000 min
Response: 2250622
Conc: 19.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 1974452
Conc: 20.01 ug/ml



#13 n-Docosane (C22)

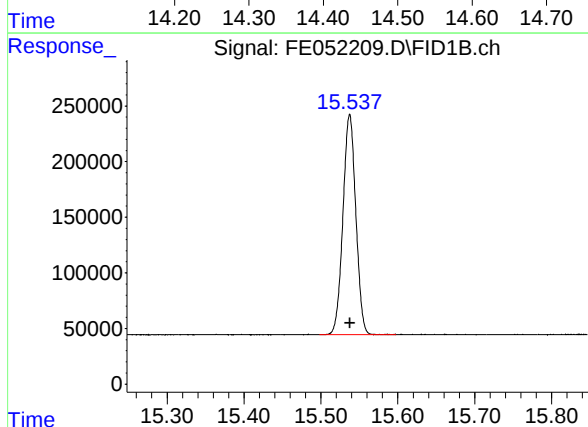
R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 2262979
Conc: 19.99 ug/ml

Instrument :

FID_E

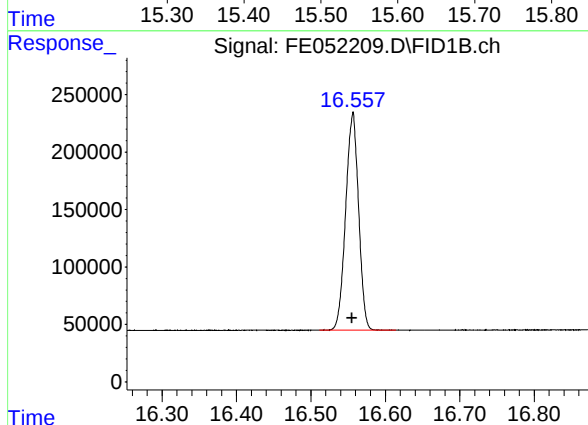
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



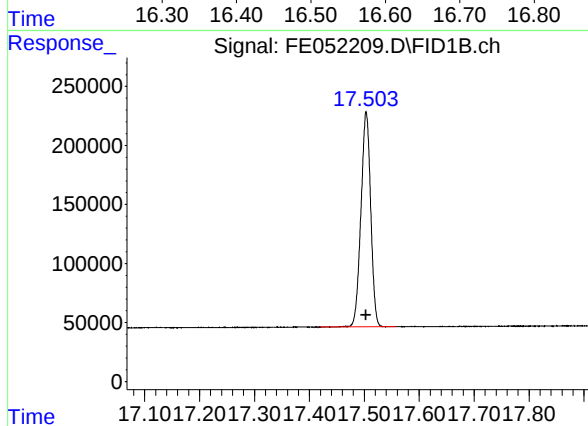
#14 n-Tetracosane (C24)

R.T.: 15.537 min
Delta R.T.: 0.000 min
Response: 2294707
Conc: 19.96 ug/ml



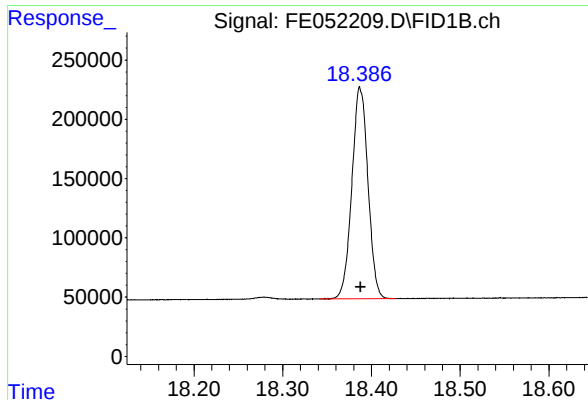
#15 n-Hexacosane (C26)

R.T.: 16.556 min
Delta R.T.: 0.000 min
Response: 2282984
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.504 min
Delta R.T.: 0.000 min
Response: 2244040
Conc: 19.83 ug/ml



#17 n-Tricontane (C30)

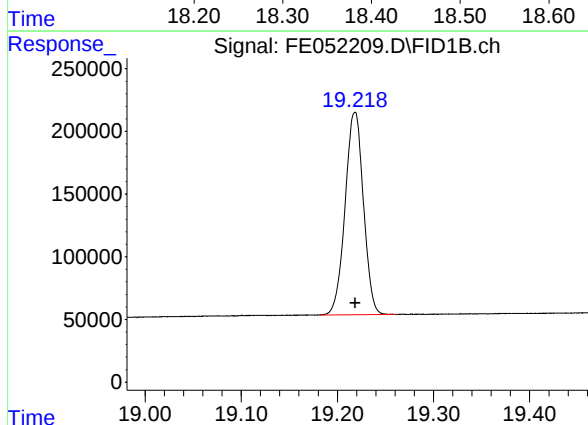
R.T.: 18.387 min
Delta R.T.: 0.000 min
Response: 2249645
Conc: 19.74 ug/ml

Instrument :

FID_E

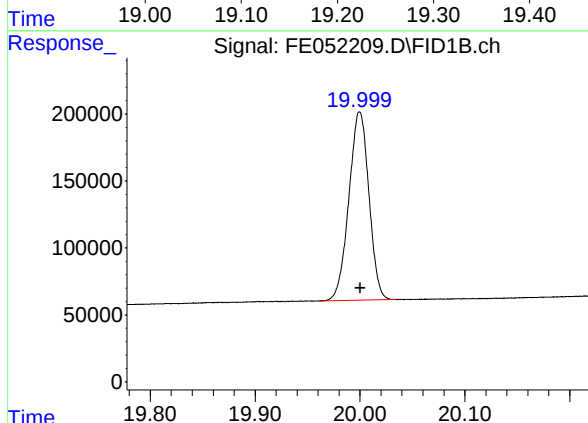
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



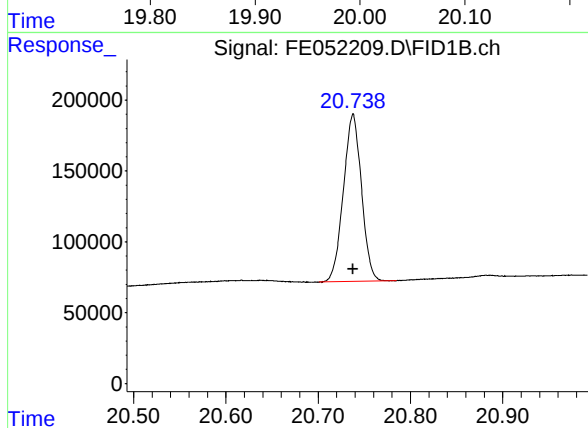
#18 n-Dotriacontane (C32)

R.T.: 19.218 min
Delta R.T.: 0.000 min
Response: 2140554
Conc: 19.63 ug/ml



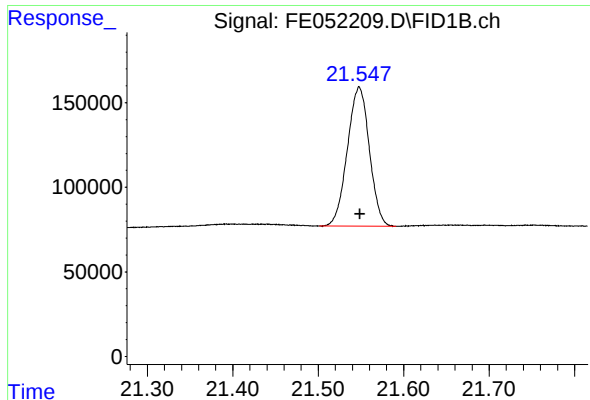
#19 n-Tetratriacontane (C34)

R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 1869168
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

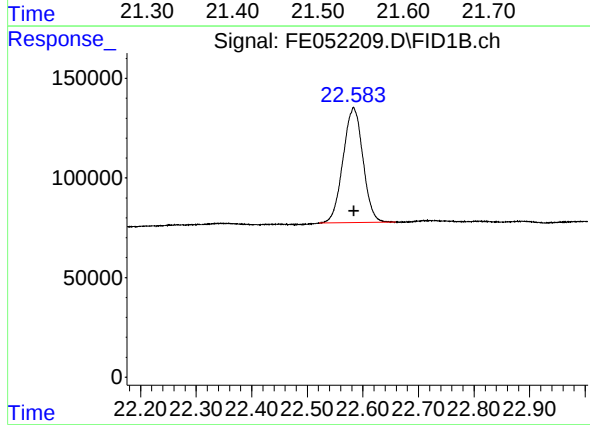
R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 1609147
Conc: 19.47 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.548 min
Delta R.T.: 0.000 min
Response: 1471524
Conc: 19.81 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.583 min
Delta R.T.: 0.000 min
Response: 1437571
Conc: 19.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
 Data File : FE052209.D
 Signal(s) : FID1B.ch
 Acq On : 03 Feb 2025 15:24
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.724	3.691	3.778	BB	202865	1853639	74.79%	4.096%
2	4.956	4.918	5.011	BB	209474	1906387	76.92%	4.212%
3	6.661	6.631	6.731	BB	232058	2131194	85.99%	4.709%
4	7.092	7.048	7.154	BB	216071	1974107	79.66%	4.362%
5	7.745	7.701	7.824	BB	221895	2093692	84.48%	4.626%
6	8.905	8.871	8.964	BB	208172	2025590	81.73%	4.476%
7	10.502	10.468	10.558	BB	209003	2177931	87.88%	4.812%
8	11.939	11.894	11.978	BB	212699	2272916	91.71%	5.022%
9	12.275	12.241	12.334	BB	239490	2478295	100.00%	5.476%
10	13.244	13.198	13.301	BB	201982	2257366	91.09%	4.988%
11	13.692	13.658	13.754	BB	177789	1974452	79.67%	4.363%
12	13.854	13.818	13.911	BB	192886	2250622	90.81%	4.973%
13	14.439	14.394	14.498	BB	196729	2262979	91.31%	5.000%
14	15.537	15.498	15.598	BB	197642	2294707	92.59%	5.070%
15	16.556	16.511	16.614	BB	189833	2282984	92.12%	5.044%
16	17.504	17.418	17.558	BB	181601	2244040	90.55%	4.958%
17	18.387	18.341	18.428	BB	177351	2249645	90.77%	4.971%
18	19.218	19.181	19.261	BB	161820	2140554	86.37%	4.730%
19	20.000	19.961	20.034	BB	140784	1869168	75.42%	4.130%
20	20.738	20.701	20.784	BV	117968	1609147	64.93%	3.555%
21	21.548	21.501	21.591	BV	82281	1471524	59.38%	3.251%
22	22.583	22.521	22.659	BBA	57693	1437571	58.01%	3.176%
Sum of corrected areas:							45258510	

Aliphatic EPH 020325.M Mon Feb 03 23:16:57 2025