

Initial Calibration Report for SequenceID : FE092523AL

AreaCount

Parameter Range	FE044415.D	FE044416.D	FE044417.D	FE044418.D	FE044419.D	
Aliphatic C9-C12	46545628.000	22977888.000	10132009.000	5213269.000	2592142.000	
Aliphatic C12-C16	31514021.000	15538543.000	6811332.000	3514839.000	1749556.000	
Aliphatic C16-C21	45884045.000	22660117.000	9959281.000	5128682.000	2567218.000	
Aliphatic C21-C28	55645442.000	27692274.000	12206118.000	6201777.000	3193993.000	
Aliphatic C28-C40	81535394.000	41969350.000	18336558.000	9136848.000	4950373.000	
Aliphatic EPH	261124530.000	130838172.000	57445298.000	29195415.000	15053282.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	164757.9859996	5.987				
Aliphatic C12-C16	166787.277	5.798				
Aliphatic C16-C21	162421.242666	6.004				
Aliphatic C21-C28	148979.105	6.478				
Aliphatic C28-C40	149177.6079998	7.761				
Aliphatic EPH	155894.1282218	6.496				

Concentration

Parameter Range	FE044415.D	FE044416.D	FE044417.D	FE044418.D	FE044419.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	FE044415.D	FE044416.D	FE044417.D	FE044418.D	FE044419.D	
Aliphatic C9-C12	155152.093333	153185.920000	168866.816666	173775.633333	172809.466666	
Aliphatic C12-C16	157570.105000	155385.430000	170283.300000	175741.950000	174955.600000	
Aliphatic C16-C21	152946.816666	151067.446666	165988.016666	170956.066666	171147.866666	
Aliphatic C21-C28	139113.605000	138461.370000	152576.475000	155044.425000	159699.650000	
Aliphatic C28-C40	135892.323333	139897.833333	152804.650000	152280.800000	165012.433333	



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Initial Calibration Report for SequenceID : FE092523AL

Aliphatic EPH	145069.183333	145375.746666	159570.272222	162196.750000	167258.688888	
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044415.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 08:39
 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

Integration File: autoint1.e
 Quant Time: Sep 25 10:11:58 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:11:16 2023
 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)	11.937	17744802	92.339 ug/ml
Spiked Amount 50.000		Recovery =	184.68%
12) S 1-chlorooctadecane (S...	13.373	12927685	92.720 ug/ml
Spiked Amount 50.000		Recovery =	185.44%
Target Compounds			
1) T n-Nonane (C9)	3.319	15252677	91.641 ug/ml
2) T n-Decane (C10)	4.571	15585042	91.668 ug/ml
3) T A~Naphthalene (C11.7)	6.273	16967704	92.701 ug/ml
4) T n-Dodecane (C12)	6.736	15707909	92.321 ug/ml
5) T A~2-methylnaphthalene...	7.370	16413875	93.481 ug/ml
6) T n-Tetradecane (C14)	8.562	15524241	92.563 ug/ml
7) T n-Hexadecane (C16)	10.173	15989780	92.506 ug/ml
8) T n-Octadecane (C18)	11.620	15996745	92.296 ug/ml
10) T n-Eicosane (C20)	12.929	15139684	92.083 ug/ml
11) T n-Heneicosane (C21)	13.542	14747616	92.040 ug/ml
13) T n-Docosane (C22)	14.128	14524142	91.995 ug/ml
14) T n-Tetracosane (C24)	15.232	14165186	91.458 ug/ml
15) T n-Hexacosane (C26)	16.254	13685181	90.793 ug/ml
16) T n-Octacosane (C28)	17.206	13270933	90.393 ug/ml
17) T n-Tricontane (C30)	18.094	13351857	88.300 ug/ml
18) T n-Dotriacontane (C32)	18.928	13188950	87.269 ug/ml
19) T n-Tetratriacontane (C34)	19.716	13227906	88.394 ug/ml
20) T n-Hexatriacontane (C36)	20.456	13387291	90.334 ug/ml
21) T n-Octatriacontane (C38)	21.200	13668935	91.308 ug/ml
22) T n-Tetracontane (C40)	22.129	14710455	88.117 ug/ml

(f)=RT Delta > 1/2 Window

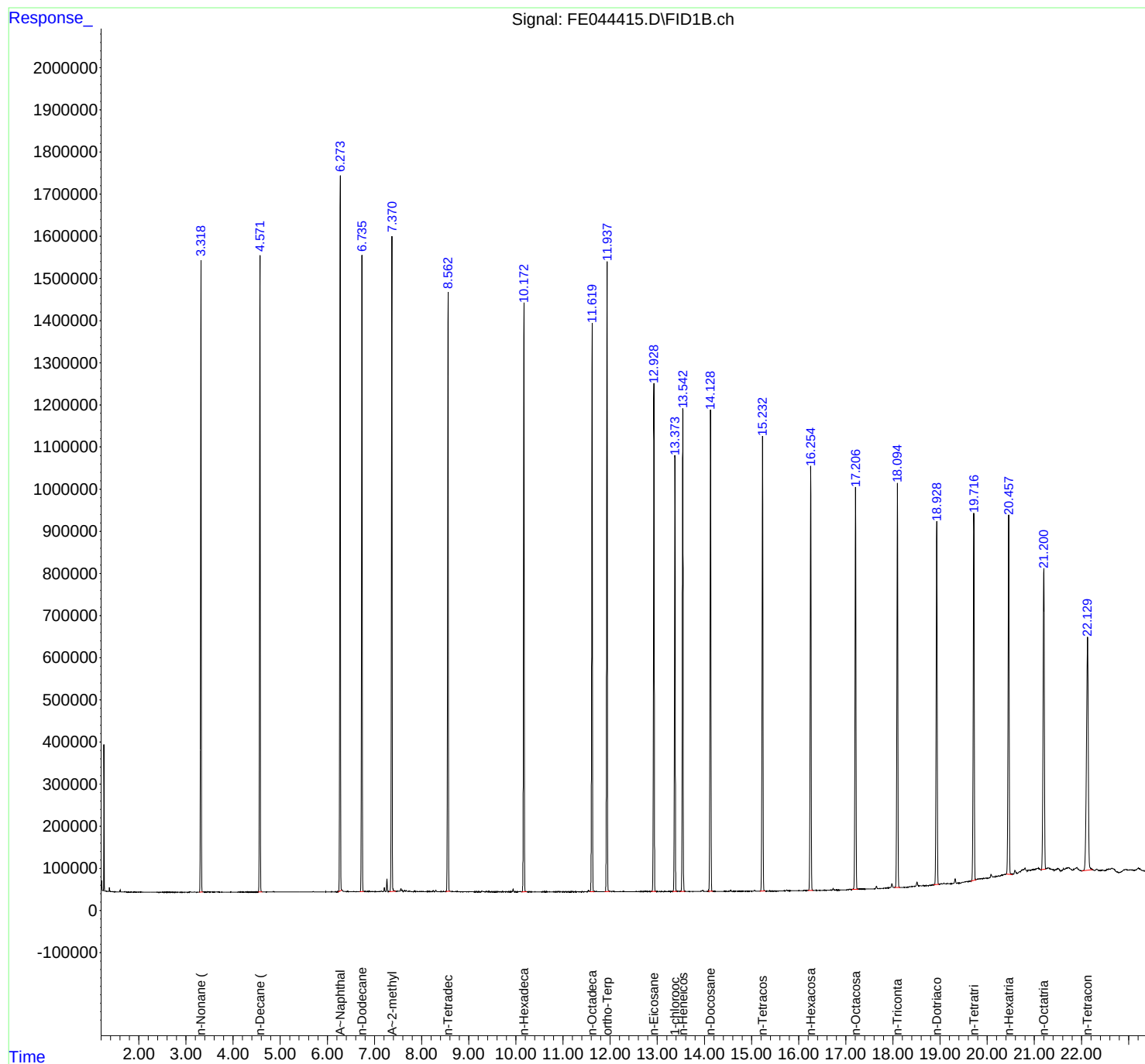
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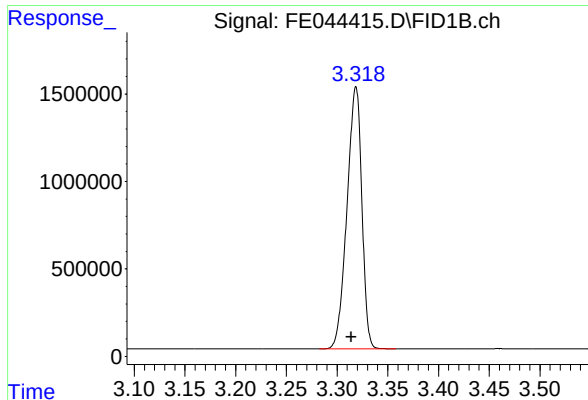
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Data File : FE044415.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 08:39
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 25 10:11:58 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
Quant Title : GC Extractables
QLast Update : Mon Sep 25 10:11:16 2023
Response via : Initial Calibration
Integrator: ChemStation

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

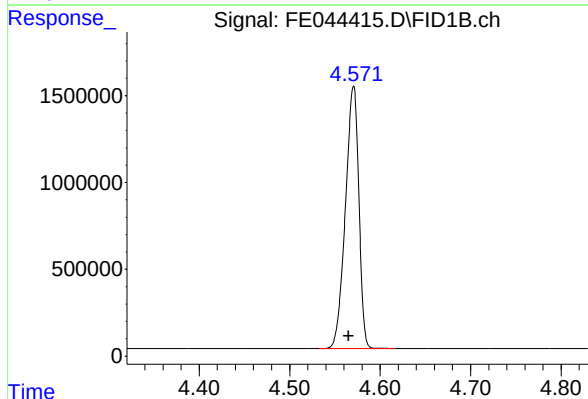




#1 n-Nonane (C9)

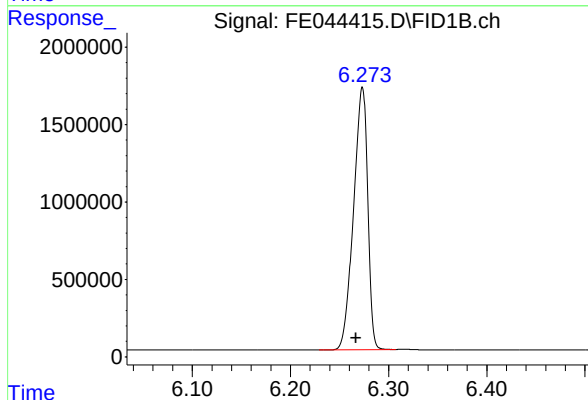
R.T.: 3.319 min
Delta R.T.: 0.005 min
Response: 15252677
Conc: 91.64 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



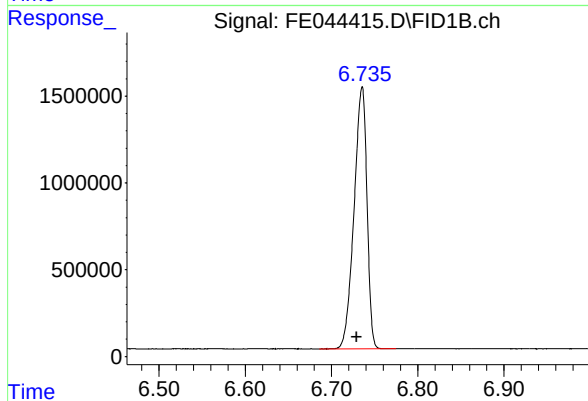
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: 0.006 min
Response: 15585042
Conc: 91.67 ug/ml



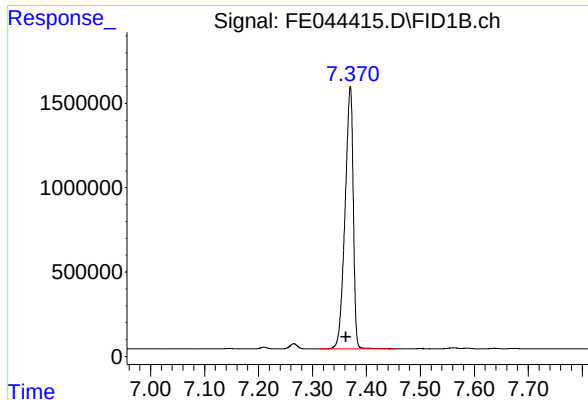
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.007 min
Response: 16967704
Conc: 92.70 ug/ml



#4 n-Dodecane (C12)

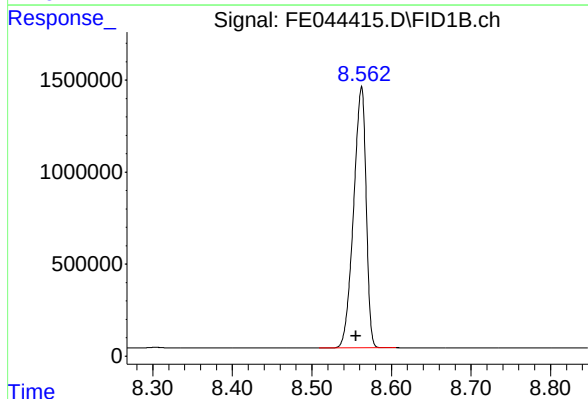
R.T.: 6.736 min
Delta R.T.: 0.006 min
Response: 15707909
Conc: 92.32 ug/ml



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

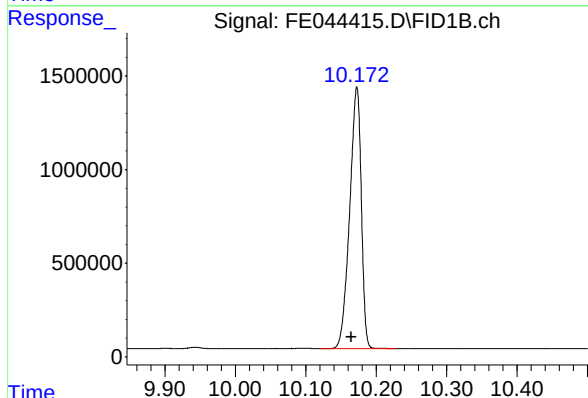
R.T.: 7.370 min
Delta R.T.: 0.008 min
Response: 16413875
Conc: 93.48 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



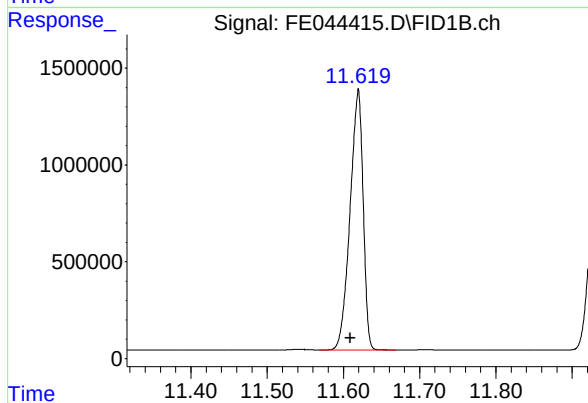
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.007 min
Response: 15524241
Conc: 92.56 ug/ml



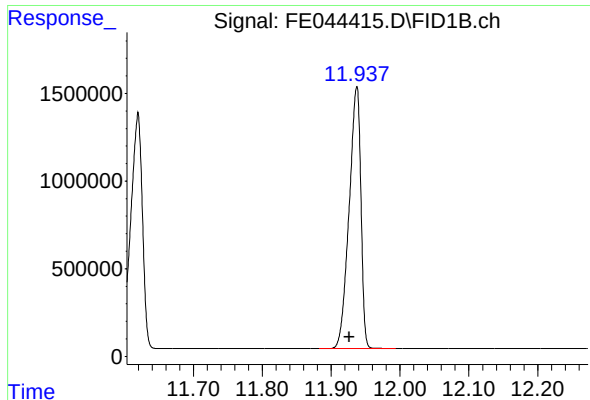
#7 n-Hexadecane (C16)

R.T.: 10.173 min
Delta R.T.: 0.008 min
Response: 15989780
Conc: 92.51 ug/ml



#8 n-Octadecane (C18)

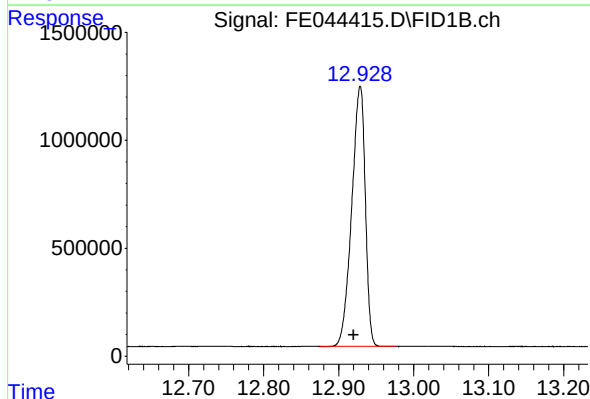
R.T.: 11.620 min
Delta R.T.: 0.010 min
Response: 15996745
Conc: 92.30 ug/ml



#9 ortho-Terphenyl (SURR)

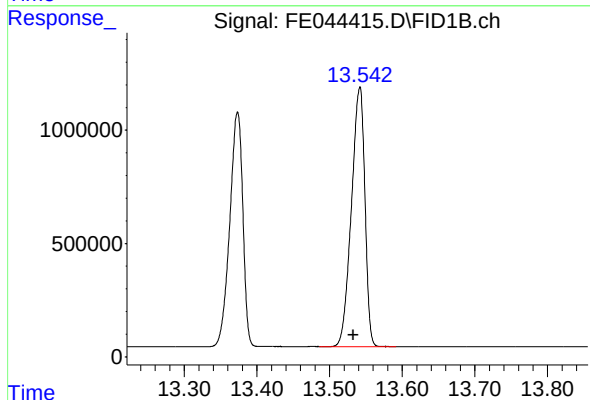
R.T.: 11.937 min
Delta R.T.: 0.011 min
Response: 17744802
Conc: 92.34 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



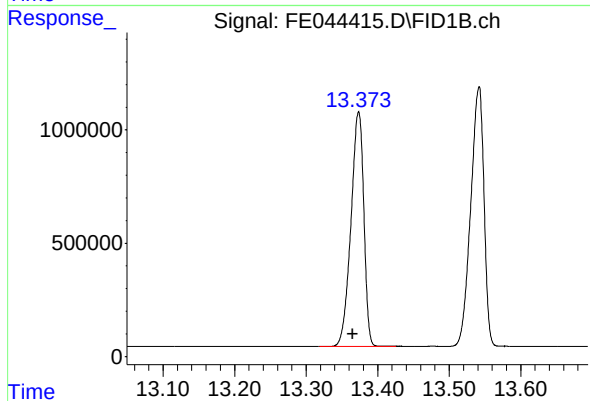
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: 0.009 min
Response: 15139684
Conc: 92.08 ug/ml



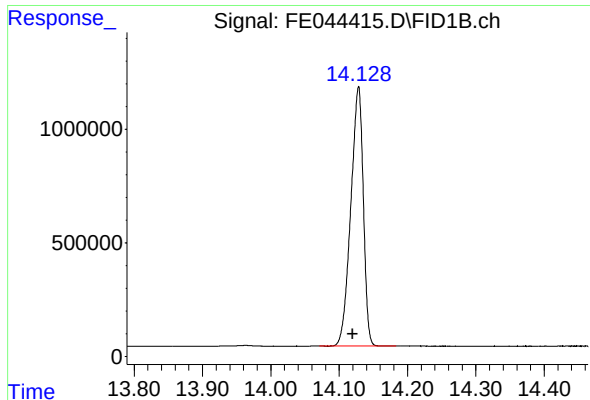
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: 0.009 min
Response: 14747616
Conc: 92.04 ug/ml



#12 1-chlorooctadecane (SURR)

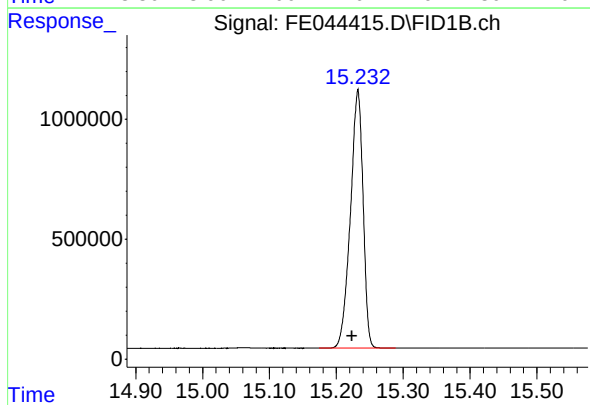
R.T.: 13.373 min
Delta R.T.: 0.008 min
Response: 12927685
Conc: 92.72 ug/ml



#13 n-Docosane (C22)

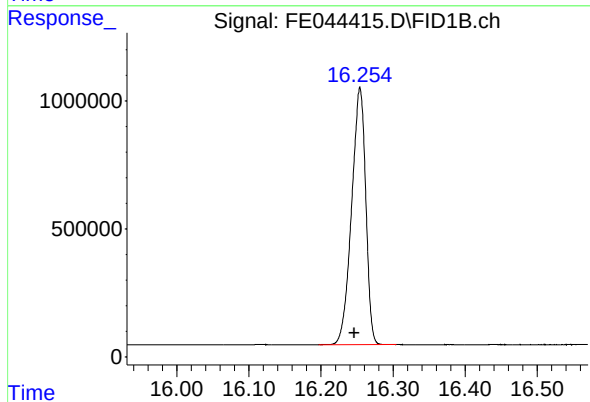
R.T.: 14.128 min
Delta R.T.: 0.009 min
Response: 14524142
Conc: 91.99 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



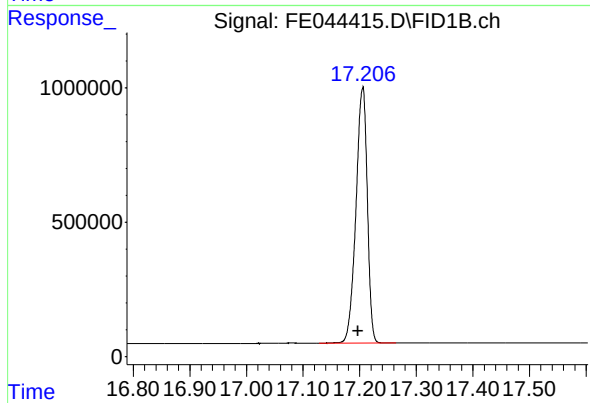
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: 0.009 min
Response: 14165186
Conc: 91.46 ug/ml



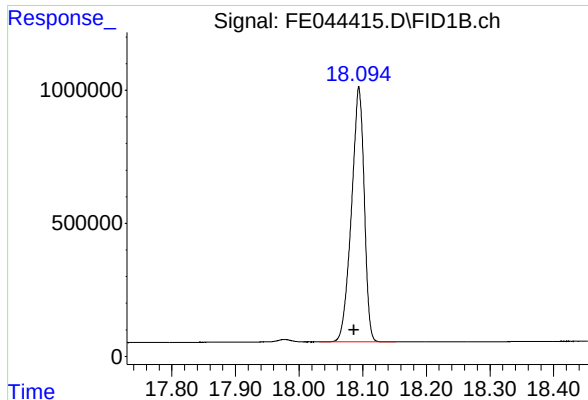
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: 0.008 min
Response: 13685181
Conc: 90.79 ug/ml



#16 n-Octacosane (C28)

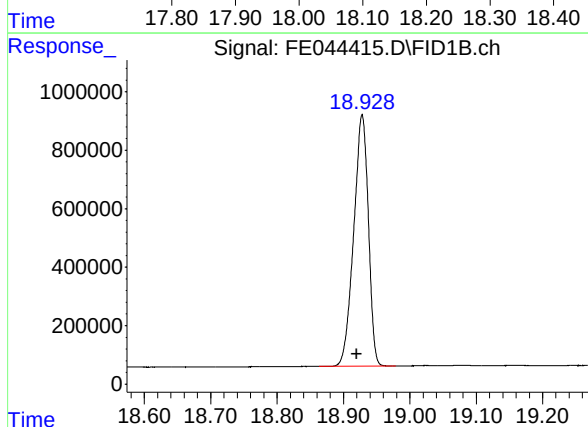
R.T.: 17.206 min
Delta R.T.: 0.008 min
Response: 13270933
Conc: 90.39 ug/ml



#17 n-Tricontane (C30)

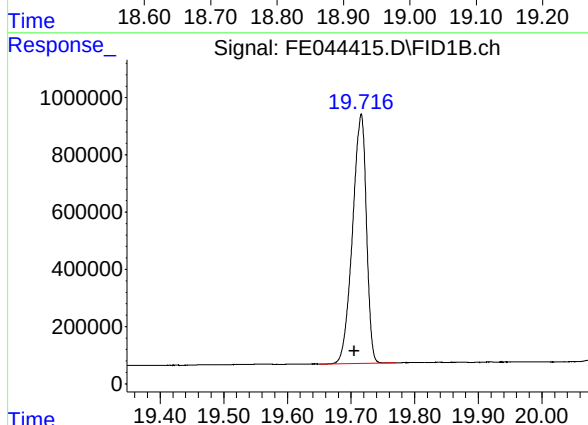
R.T.: 18.094 min
Delta R.T.: 0.008 min
Response: 13351857
Conc: 88.30 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



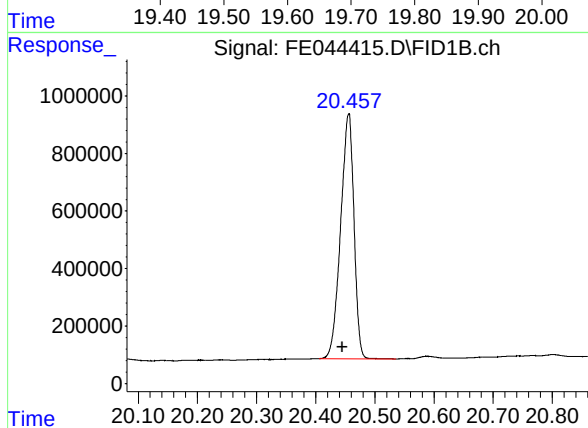
#18 n-Dotriacontane (C32)

R.T.: 18.928 min
Delta R.T.: 0.008 min
Response: 13188950
Conc: 87.27 ug/ml



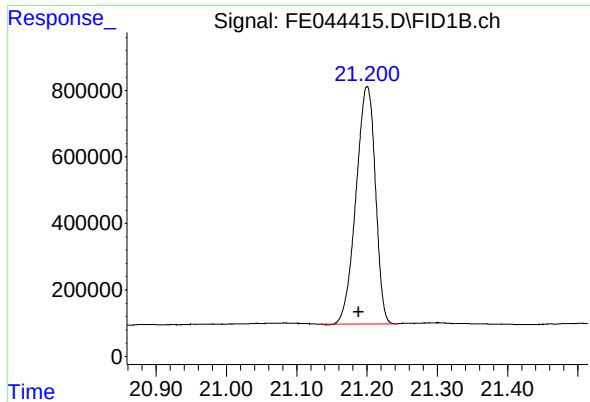
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.011 min
Response: 13227906
Conc: 88.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.010 min
Response: 13387291
Conc: 90.33 ug/ml



#21 n-Octatriacontane (C38)

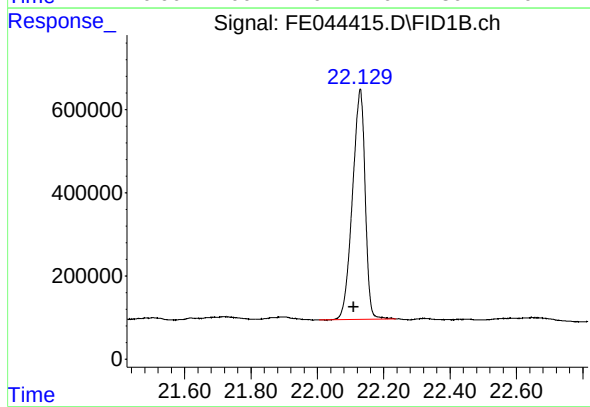
R.T.: 21.200 min
Delta R.T.: 0.012 min
Response: 13668935
Conc: 91.31 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.129 min
Delta R.T.: 0.020 min
Response: 14710455
Conc: 88.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044415.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 08:39
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.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	3.319	3.282	3.358	BB	1500533	15252677	85.96%	4.691%
2	4.571	4.532	4.617	BB	1510473	15585042	87.83%	4.793%
3	6.273	6.229	6.307	BV	1697253	16967704	95.62%	5.218%
4	6.736	6.686	6.775	BB	1509954	15707909	88.52%	4.831%
5	7.370	7.312	7.455	BB	1555120	16413875	92.50%	5.048%
6	8.562	8.509	8.606	BB	1420274	15524241	87.49%	4.774%
7	10.173	10.119	10.228	BB	1397687	15989780	90.11%	4.917%
8	11.620	11.568	11.669	BB	1351018	15996745	90.15%	4.919%
9	11.937	11.882	11.994	BB	1494855	17744802	100.00%	5.457%
10	12.929	12.874	12.976	BB	1205575	15139684	85.32%	4.656%
11	13.373	13.318	13.426	BB	1034780	12927685	72.85%	3.976%
12	13.542	13.486	13.591	BB	1143897	14747616	83.11%	4.535%
13	14.128	14.071	14.183	BB	1140943	14524142	81.85%	4.467%
14	15.232	15.174	15.289	BB	1078513	14165186	79.83%	4.356%
15	16.254	16.197	16.304	BB	1006253	13685181	77.12%	4.209%
16	17.206	17.128	17.264	BB	949702	13270933	74.79%	4.081%
17	18.094	18.031	18.152	BB	958798	13351857	75.24%	4.106%
18	18.928	18.863	18.979	BB	860568	13188950	74.33%	4.056%
19	19.716	19.650	19.771	BB	872060	13227906	74.55%	4.068%
20	20.456	20.406	20.536	BV	850924	13387291	75.44%	4.117%
21	21.200	21.132	21.241	BV	714492	13668935	77.03%	4.204%
22	22.129	22.005	22.237	BV	553910	14710455	82.90%	4.524%
Sum of corrected areas:						325178595		

Aliphatic EPH 092523.M Tue Sep 26 05:06:08 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044416.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 09:09
 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: Sep 25 10:14:55 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:14:46 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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Compound	R.T.	Response	Conc Units

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12) S 1-chlorooctadecane (S...	13.368	6377974	47.472 ug/ml
Spiked Amount 50.000		Recovery =	94.94%
Target Compounds			
1) T n-Nonane (C9)	3.316	7520803	47.157 ug/ml
2) T n-Decane (C10)	4.567	7697687	47.245 ug/ml
3) T A~Naphthalene (C11.7)	6.269	8387357	47.559 ug/ml
4) T n-Dodecane (C12)	6.731	7759398	47.426 ug/ml
5) T A~2-methylnaphthalene...	7.365	8042616	47.348 ug/ml
6) T n-Tetradecane (C14)	8.558	7656061	47.412 ug/ml
7) T n-Hexadecane (C16)	10.168	7882482	47.378 ug/ml
8) T n-Octadecane (C18)	11.613	7888646	47.338 ug/ml
10) T n-Eicosane (C20)	12.923	7478891	47.363 ug/ml
11) T n-Heneicosane (C21)	13.535	7292580	47.400 ug/ml
13) T n-Docosane (C22)	14.122	7197723	47.491 ug/ml
14) T n-Tetracosane (C24)	15.226	7038506	47.472 ug/ml
15) T n-Hexacosane (C26)	16.250	6826027	47.472 ug/ml
16) T n-Octacosane (C28)	17.201	6630018	47.438 ug/ml
17) T n-Tricontane (C30)	18.088	6721086	47.210 ug/ml
18) T n-Dotriacontane (C32)	18.923	6650294	46.995 ug/ml
19) T n-Tetratriacontane (C34)	19.708	6656128	47.219 ug/ml
20) T n-Hexatriacontane (C36)	20.450	6692889	47.455 ug/ml
21) T n-Octatriacontane (C38)	21.195	7415940	51.789 ug/ml
22) T n-Tetracontane (C40)	22.118	7833013	49.884 ug/ml

(f)=RT Delta > 1/2 Window

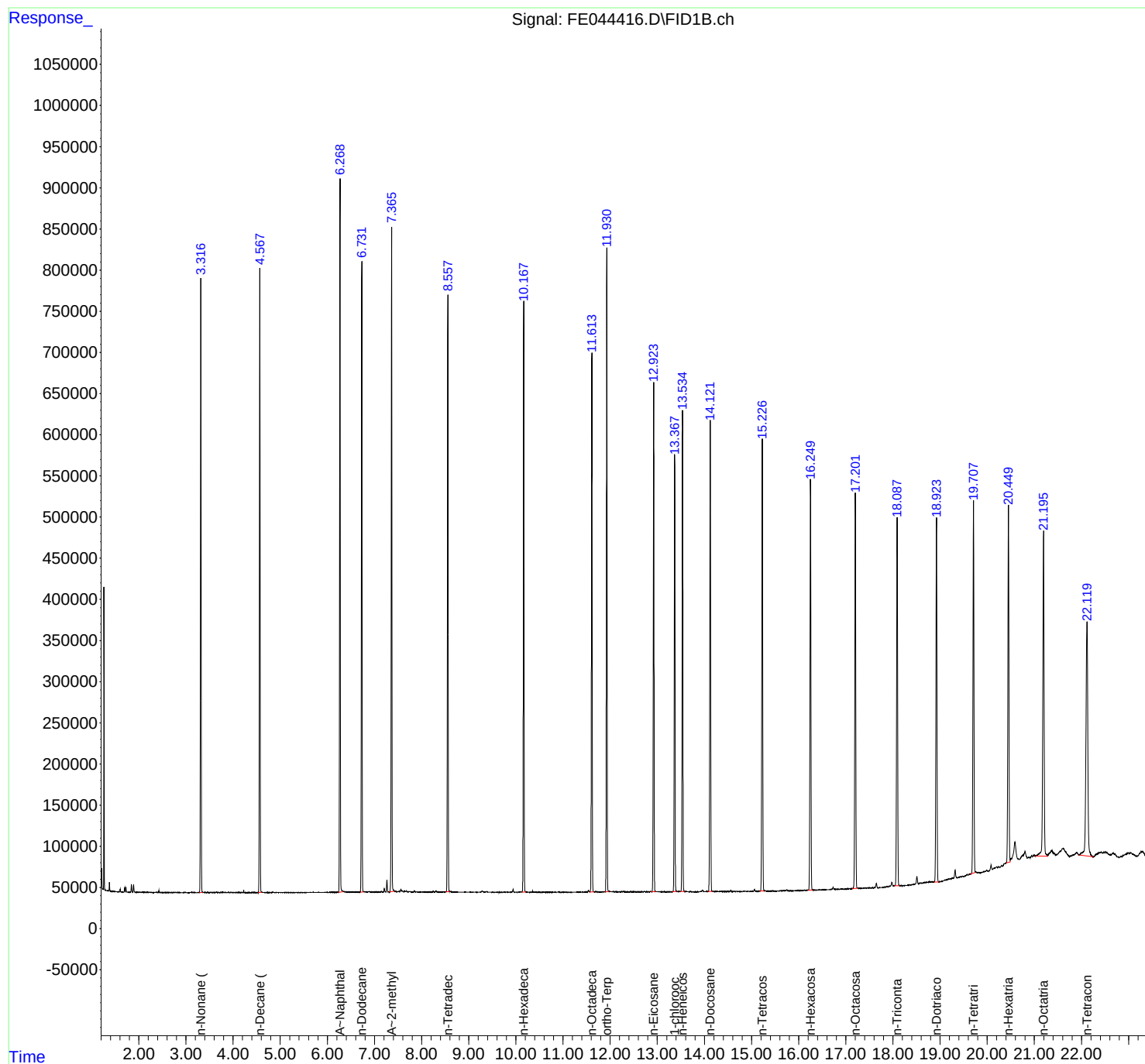
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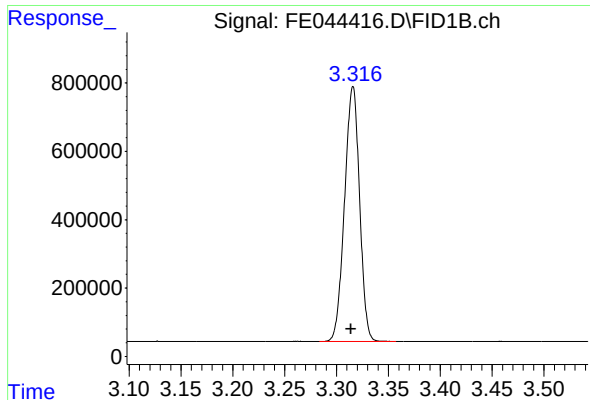
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044416.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 09:09
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 25 10:14:55 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
Quant Title : GC Extractables
QLast Update : Mon Sep 25 10:14:46 2023
Response via : Initial Calibration
Integrator: ChemStation

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

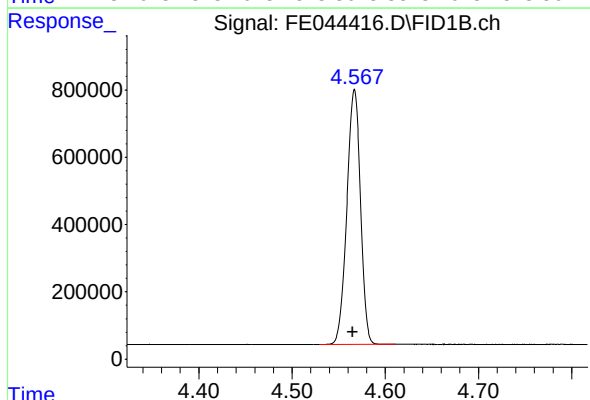




#1 n-Nonane (C9)

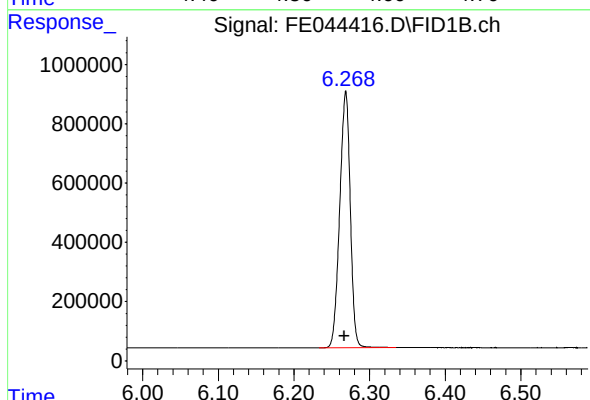
R.T.: 3.316 min
Delta R.T.: 0.002 min
Response: 7520803
Conc: 47.16 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



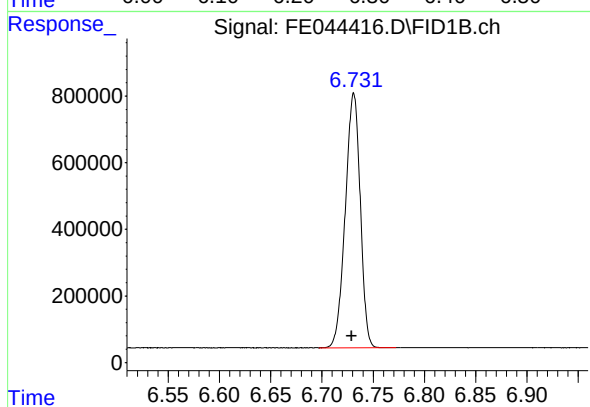
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.002 min
Response: 7697687
Conc: 47.24 ug/ml



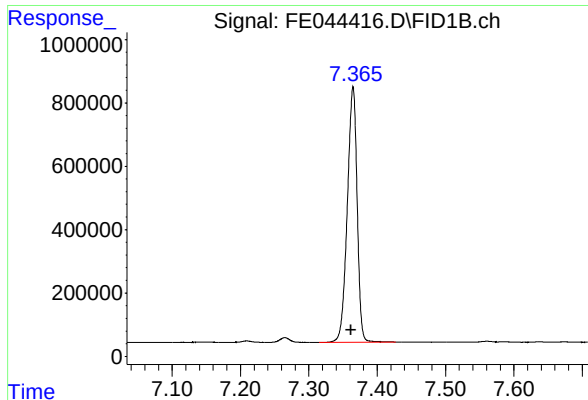
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.002 min
Response: 8387357
Conc: 47.56 ug/ml



#4 n-Dodecane (C12)

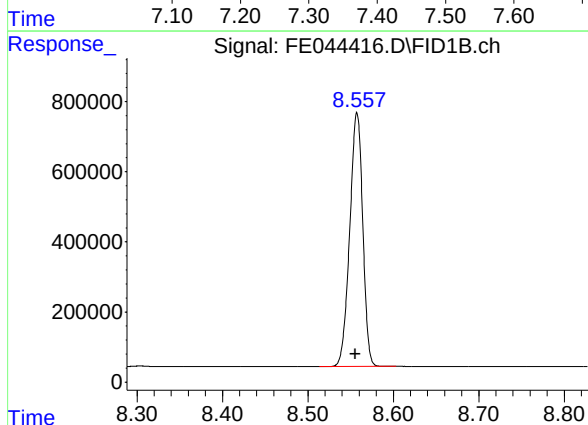
R.T.: 6.731 min
Delta R.T.: 0.002 min
Response: 7759398
Conc: 47.43 ug/ml



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

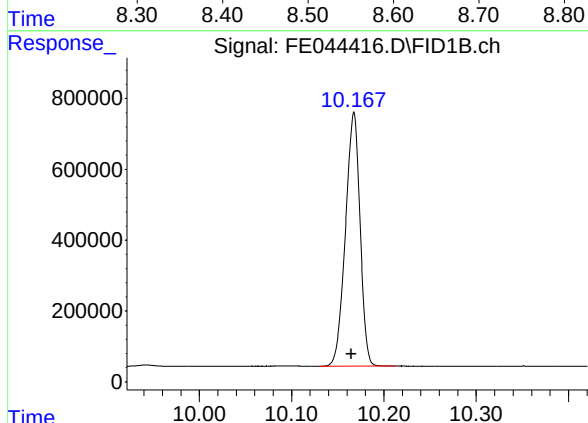
R.T.: 7.365 min
Delta R.T.: 0.003 min
Response: 8042616
Conc: 47.35 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



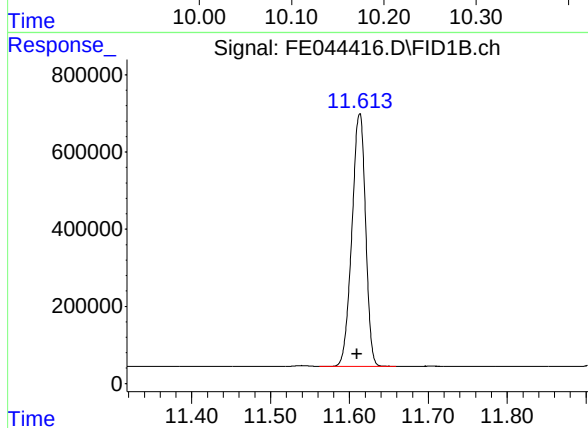
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.002 min
Response: 7656061
Conc: 47.41 ug/ml



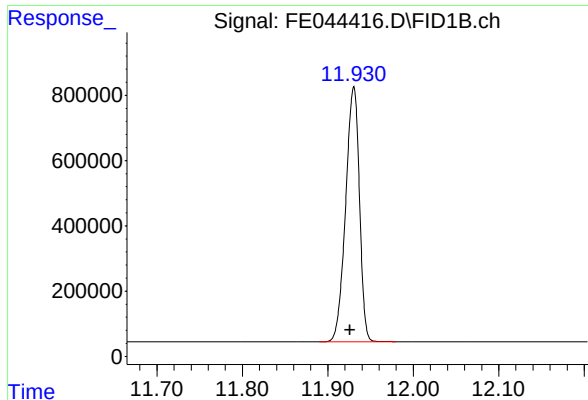
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.003 min
Response: 7882482
Conc: 47.38 ug/ml



#8 n-Octadecane (C18)

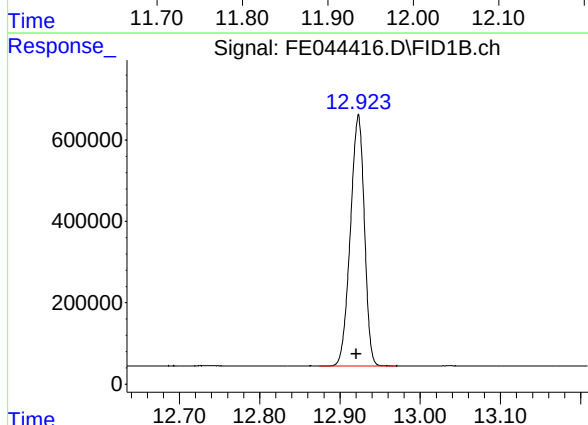
R.T.: 11.613 min
Delta R.T.: 0.004 min
Response: 7888646
Conc: 47.34 ug/ml



#9 ortho-Terphenyl (SURR)

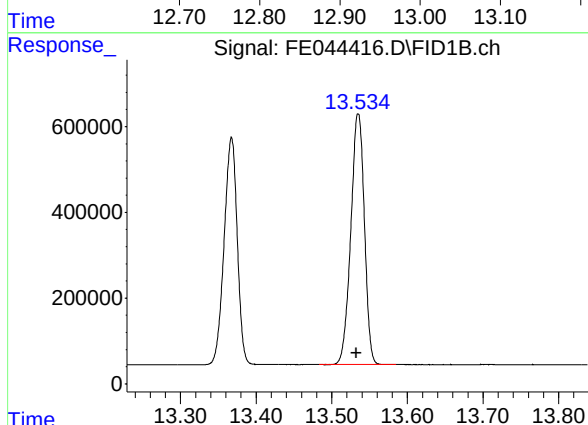
R.T.: 11.930 min
Delta R.T.: 0.004 min
Response: 8762262
Conc: 47.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



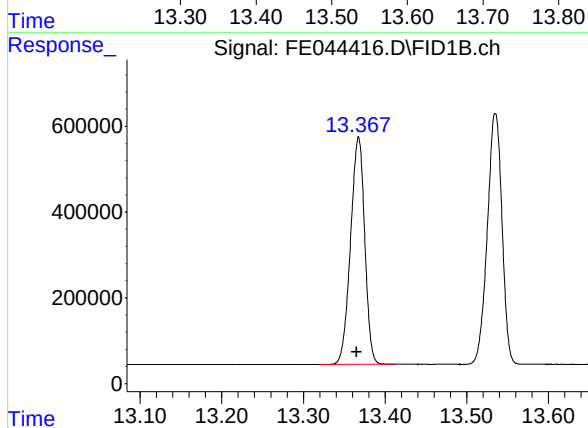
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.003 min
Response: 7478891
Conc: 47.36 ug/ml



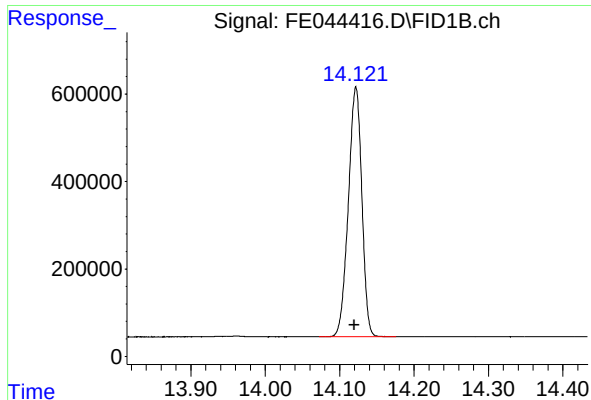
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.002 min
Response: 7292580
Conc: 47.40 ug/ml



#12 1-chlorooctadecane (SURR)

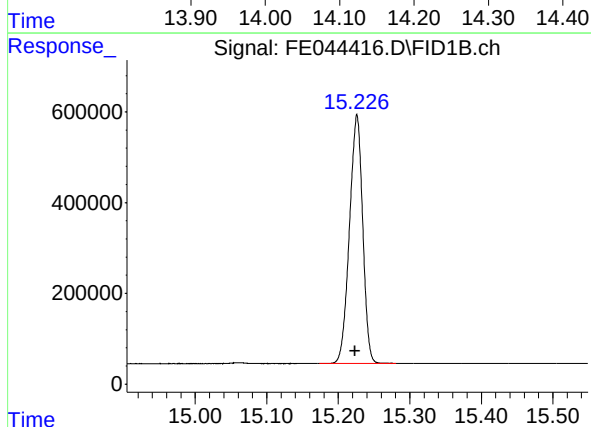
R.T.: 13.368 min
Delta R.T.: 0.003 min
Response: 6377974
Conc: 47.47 ug/ml



#13 n-Docosane (C22)

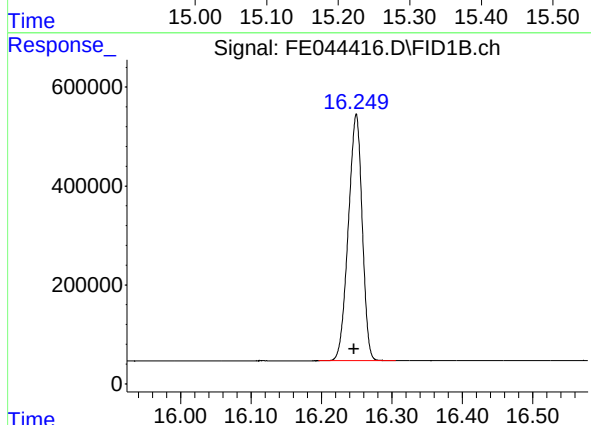
R.T.: 14.122 min
Delta R.T.: 0.002 min
Response: 7197723
Conc: 47.49 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



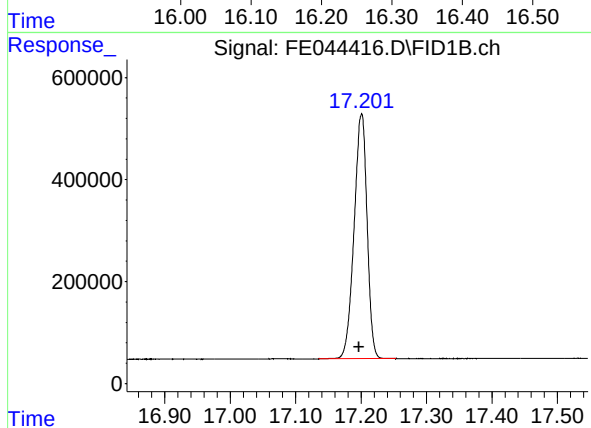
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: 0.003 min
Response: 7038506
Conc: 47.47 ug/ml



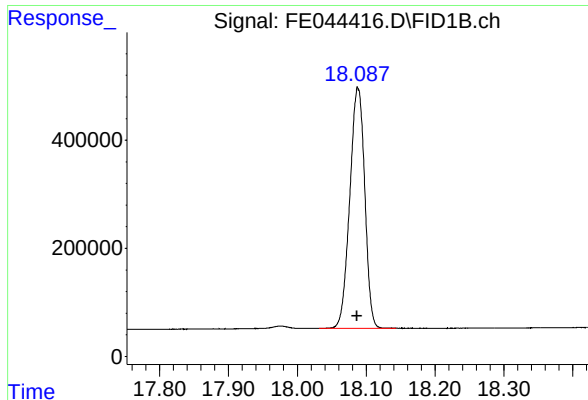
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.003 min
Response: 6826027
Conc: 47.47 ug/ml



#16 n-Octacosane (C28)

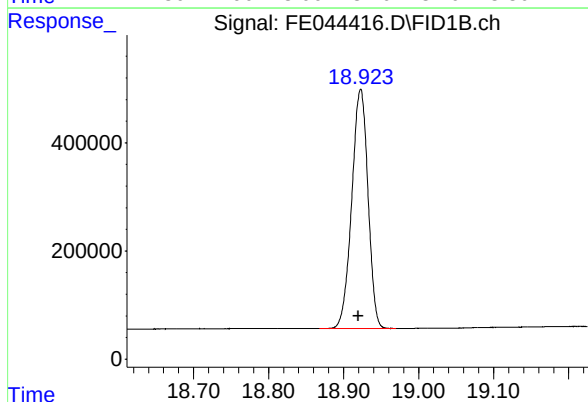
R.T.: 17.201 min
Delta R.T.: 0.004 min
Response: 6630018
Conc: 47.44 ug/ml



#17 n-Tricontane (C30)

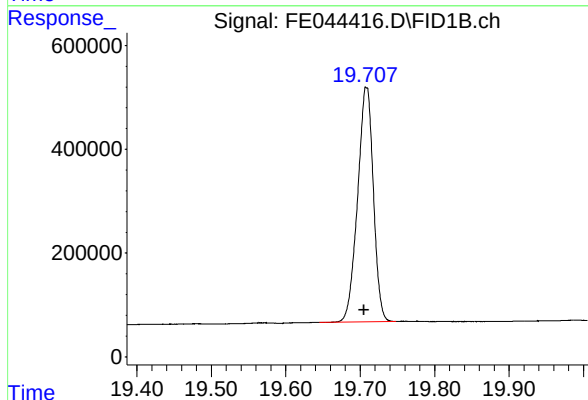
R.T.: 18.088 min
Delta R.T.: 0.002 min
Response: 6721086
Conc: 47.21 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



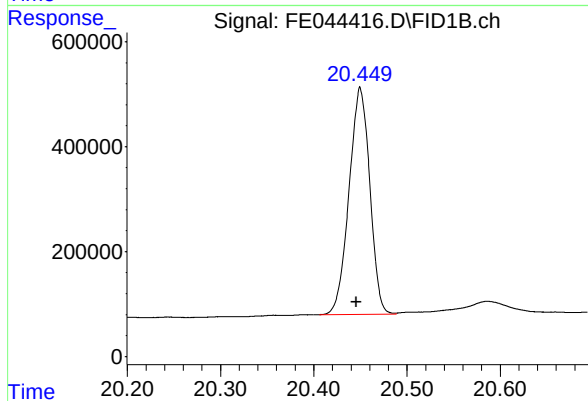
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: 0.003 min
Response: 6650294
Conc: 47.00 ug/ml



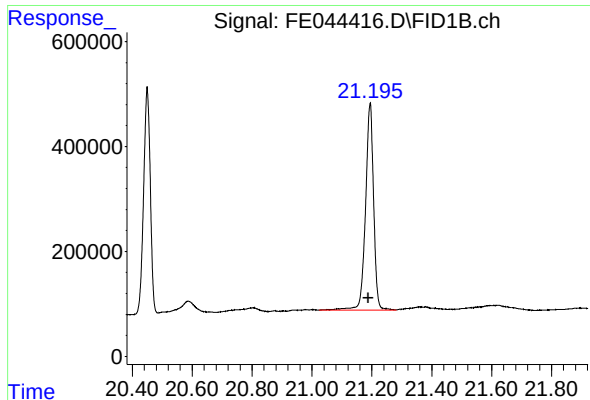
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.004 min
Response: 6656128
Conc: 47.22 ug/ml



#20 n-Hexatriacontane (C36)

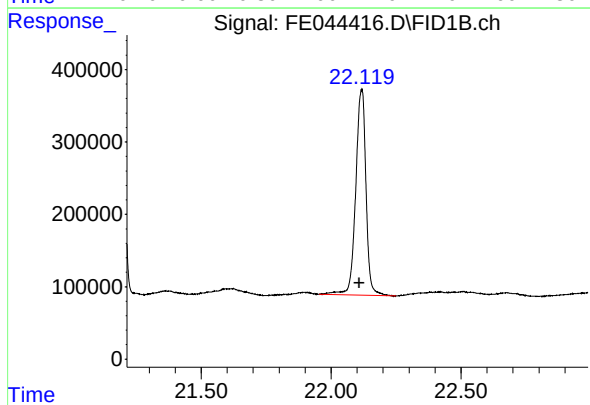
R.T.: 20.450 min
Delta R.T.: 0.004 min
Response: 6692889
Conc: 47.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: 0.006 min
Response: 7415940
Conc: 51.79 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: 0.009 min
Response: 7833013
Conc: 49.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044416.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 09:09
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 092523.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	3.316	3.283	3.357	BB	746103	7520803	85.83%	4.631%
2	4.567	4.529	4.612	BB	758140	7697687	87.85%	4.740%
3	6.269	6.233	6.335	BB	866175	8387357	95.72%	5.164%
4	6.731	6.697	6.772	BB	765384	7759398	88.55%	4.778%
5	7.365	7.315	7.427	BB	807351	8042616	91.79%	4.952%
6	8.558	8.513	8.603	BB	724014	7656061	87.38%	4.714%
7	10.168	10.130	10.213	BB	717793	7882482	89.96%	4.853%
8	11.613	11.562	11.659	BB	654470	7888646	90.03%	4.857%
9	11.930	11.890	11.980	BB	782824	8762262	100.00%	5.395%
10	12.923	12.874	12.970	BB	619055	7478891	85.35%	4.605%
11	13.368	13.319	13.413	BB	530752	6377974	72.79%	3.927%
12	13.535	13.483	13.585	BB	584558	7292580	83.23%	4.490%
13	14.122	14.072	14.176	BB	571002	7197723	82.14%	4.432%
14	15.226	15.173	15.281	BB	547974	7038506	80.33%	4.334%
15	16.250	16.197	16.306	BB	499798	6826027	77.90%	4.203%
16	17.201	17.136	17.253	BB	479540	6630018	75.67%	4.082%
17	18.088	18.032	18.143	BB	442316	6721086	76.70%	4.138%
18	18.923	18.867	18.970	BB	442832	6650294	75.90%	4.095%
19	19.708	19.645	19.748	BB	451127	6656128	75.96%	4.098%
20	20.450	20.406	20.488	BV	433555	6692889	76.38%	4.121%
21	21.195	21.024	21.280	BV	396446	7415940	84.64%	4.566%
22	22.118	21.954	22.249	BBA	283275	7833013	89.39%	4.823%
Sum of corrected areas:						162408379		

Aliphatic EPH 092523.M Tue Sep 26 05:06:35 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044417.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 09:39
 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: Sep 25 10:08:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:07:20 2023
 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)	11.926	3843403	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.365	2788542	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.314	3328802	20.000 ug/ml
2) T n-Decane (C10)	4.565	3400310	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.267	3660752	20.000 ug/ml
4) T n-Dodecane (C12)	6.729	3402897	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.362	3511713	20.000 ug/ml
6) T n-Tetradecane (C14)	8.555	3354318	20.000 ug/ml
7) T n-Hexadecane (C16)	10.165	3457014	20.000 ug/ml
8) T n-Octadecane (C18)	11.609	3466405	20.000 ug/ml
10) T n-Eicosane (C20)	12.920	3288275	20.000 ug/ml
11) T n-Heneicosane (C21)	13.533	3204601	20.000 ug/ml
13) T n-Docosane (C22)	14.120	3157611	20.000 ug/ml
14) T n-Tetracosane (C24)	15.223	3097642	20.000 ug/ml
15) T n-Hexacosane (C26)	16.246	3014595	20.000 ug/ml
16) T n-Octacosane (C28)	17.197	2936270	20.000 ug/ml
17) T n-Tricontane (C30)	18.086	3024207	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.920	3022597	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.705	2992931	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.445	2963956	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.188	2994014	20.000 ug/ml
22) T n-Tetracontane (C40)	22.109	3338853	20.000 ug/ml

(f)=RT Delta > 1/2 Window

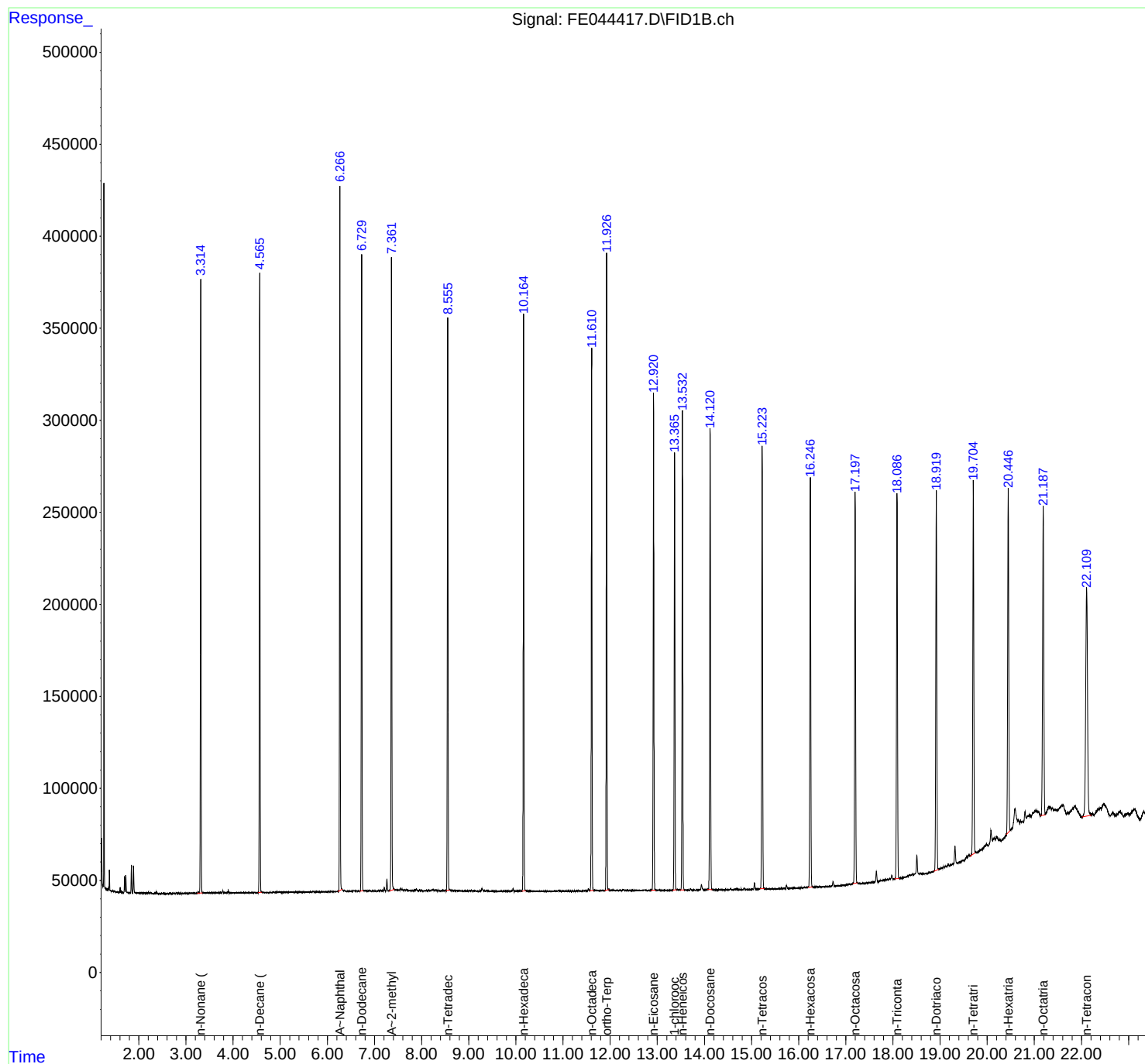
(m)=manual int.

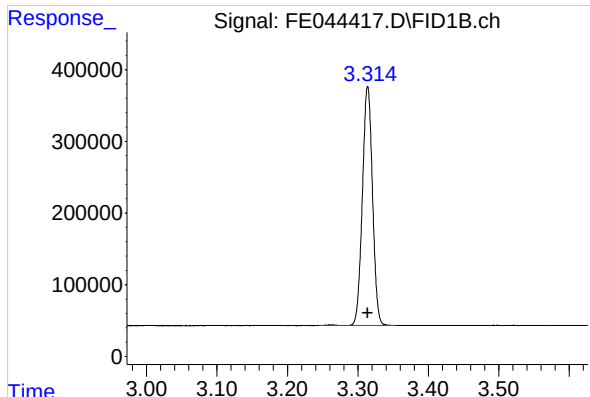
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044417.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 09:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 25 10:08:37 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
Quant Title : GC Extractables
QLast Update : Mon Sep 25 10:07:20 2023
Response via : Initial Calibration
Integrator: ChemStation

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

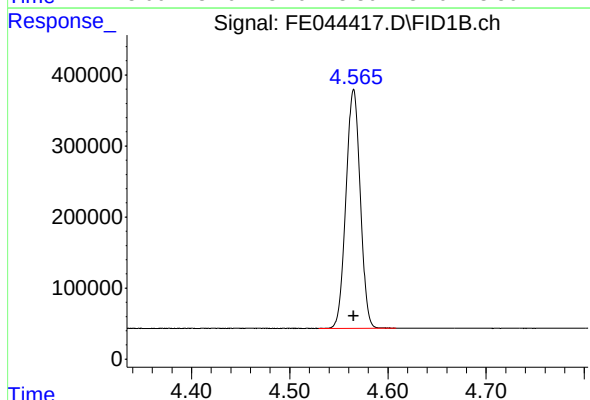




#1 n-Nonane (C9)

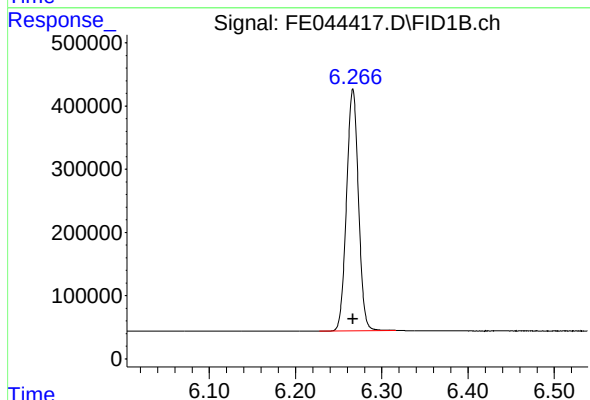
R.T.: 3.314 min
Delta R.T.: 0.000 min
Response: 3328802
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



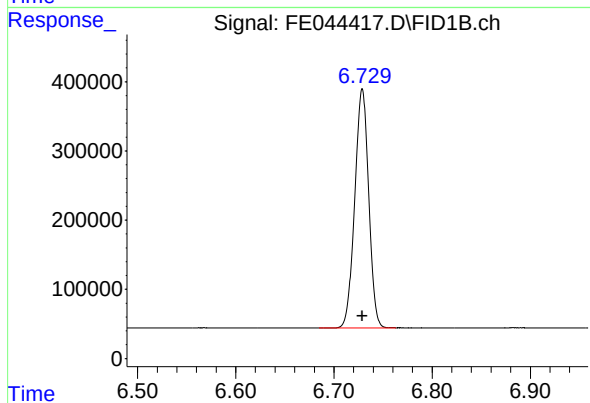
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: 0.000 min
Response: 3400310
Conc: 20.00 ug/ml



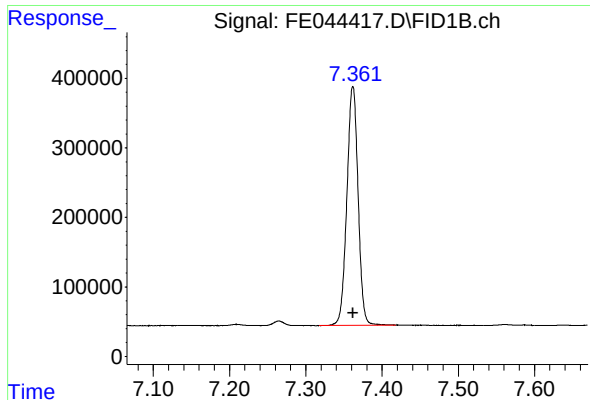
#3 A~Naphthalene (C11.7)

R.T.: 6.267 min
Delta R.T.: 0.000 min
Response: 3660752
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

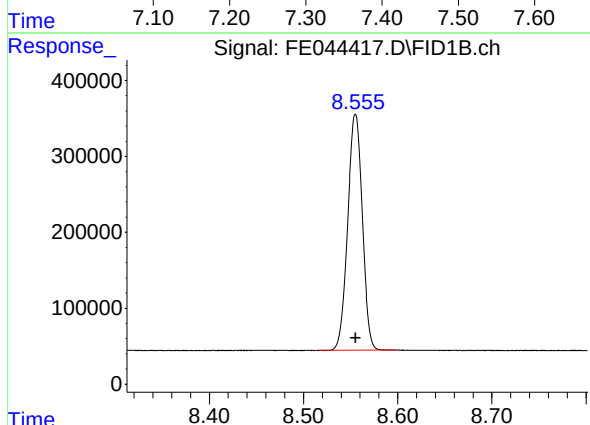
R.T.: 6.729 min
Delta R.T.: 0.000 min
Response: 3402897
Conc: 20.00 ug/ml



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

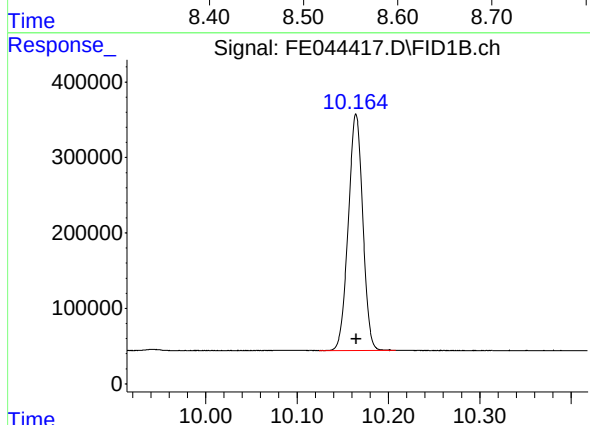
R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 3511713
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



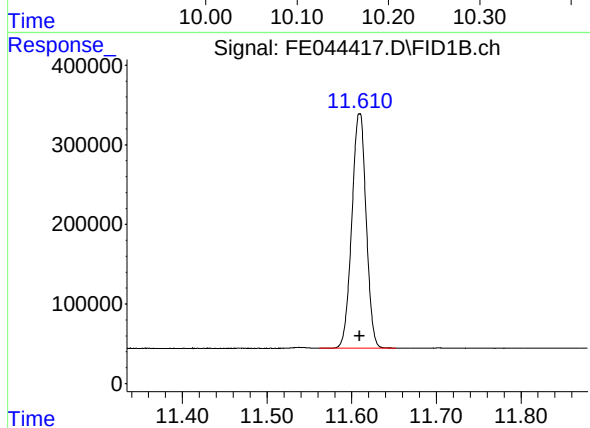
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 3354318
Conc: 20.00 ug/ml



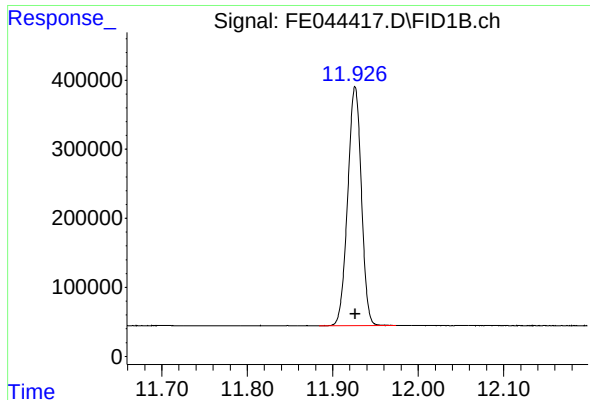
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: 0.000 min
Response: 3457014
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

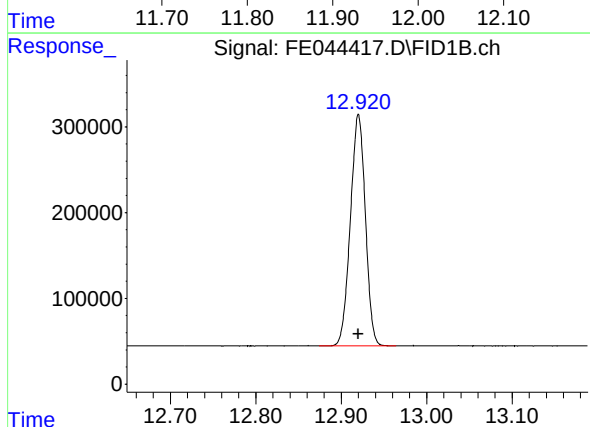
R.T.: 11.609 min
Delta R.T.: 0.000 min
Response: 3466405
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

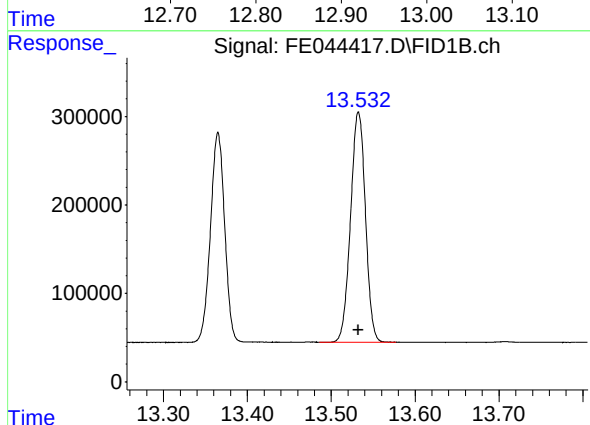
R.T.: 11.926 min
Delta R.T.: 0.000 min
Response: 3843403
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



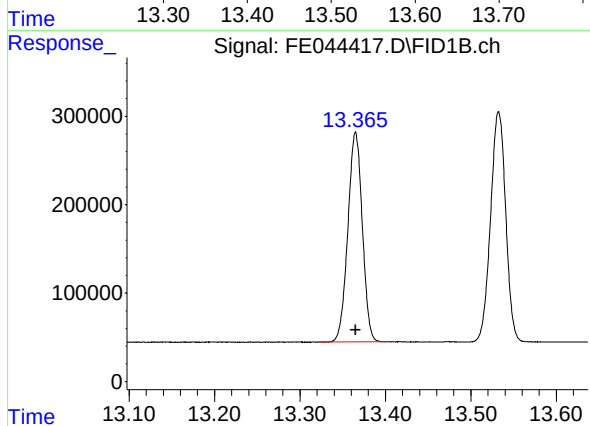
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.000 min
Response: 3288275
Conc: 20.00 ug/ml



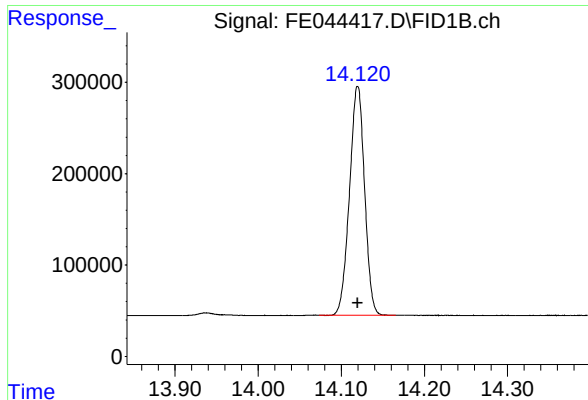
#11 n-Heneicosane (C21)

R.T.: 13.533 min
Delta R.T.: 0.000 min
Response: 3204601
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

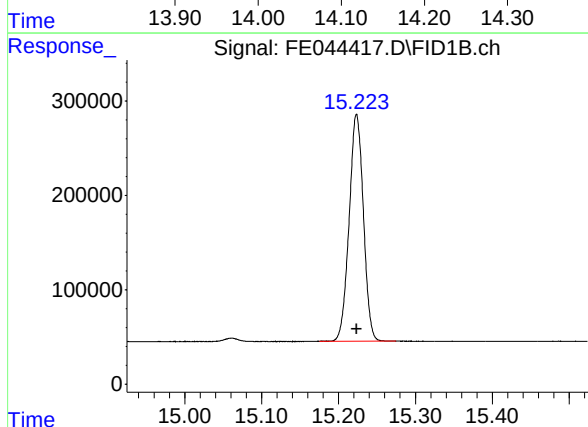
R.T.: 13.365 min
Delta R.T.: 0.000 min
Response: 2788542
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

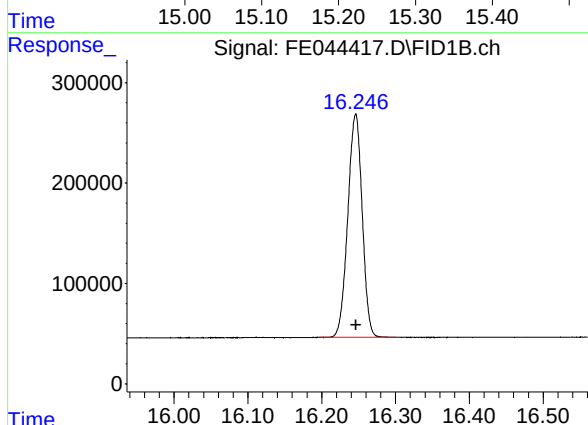
R.T.: 14.120 min
Delta R.T.: 0.000 min
Response: 3157611
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



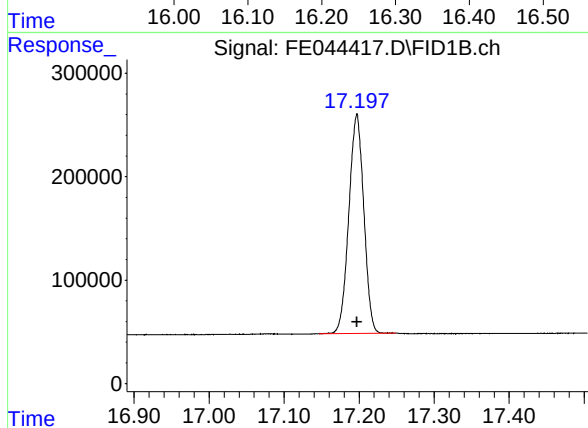
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: 0.000 min
Response: 3097642
Conc: 20.00 ug/ml



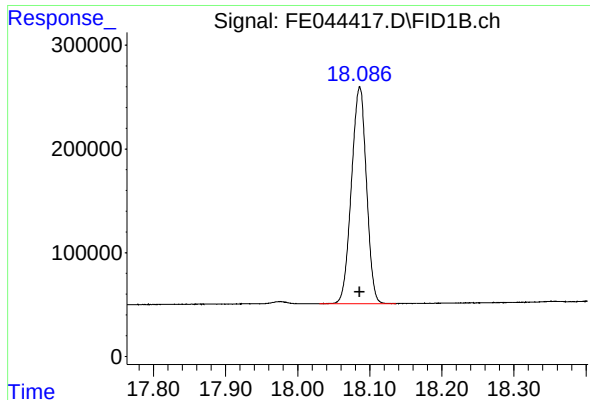
#15 n-Hexacosane (C26)

R.T.: 16.246 min
Delta R.T.: 0.000 min
Response: 3014595
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

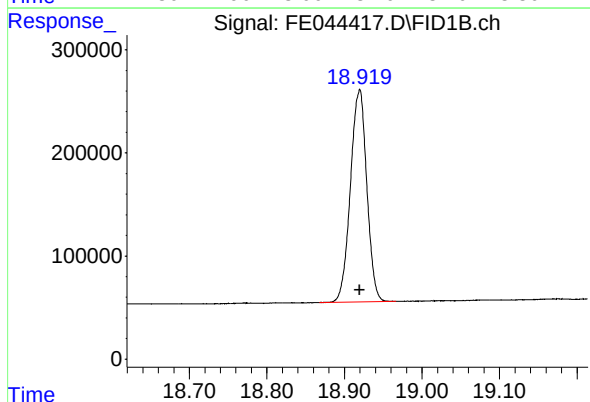
R.T.: 17.197 min
Delta R.T.: 0.000 min
Response: 2936270
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

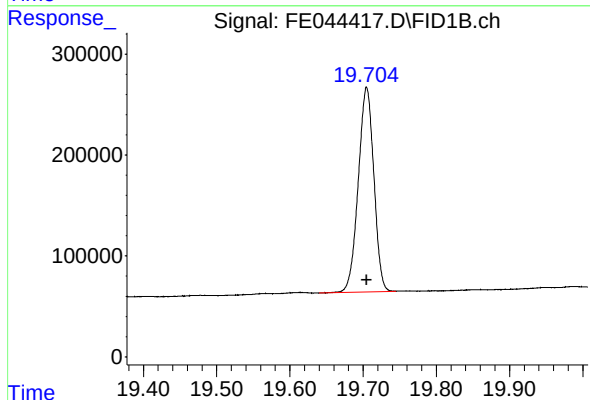
R.T.: 18.086 min
Delta R.T.: 0.000 min
Response: 3024207
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



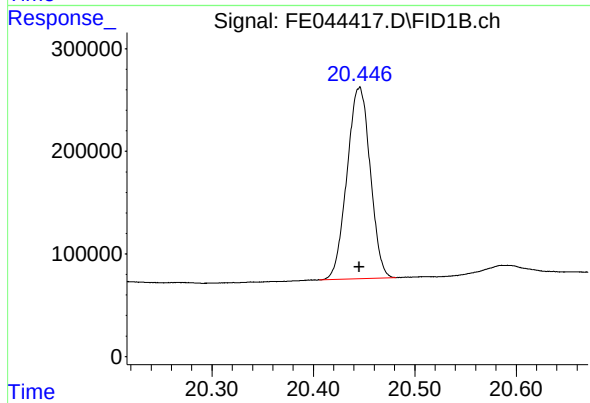
#18 n-Dotriacontane (C32)

R.T.: 18.920 min
Delta R.T.: 0.000 min
Response: 3022597
Conc: 20.00 ug/ml



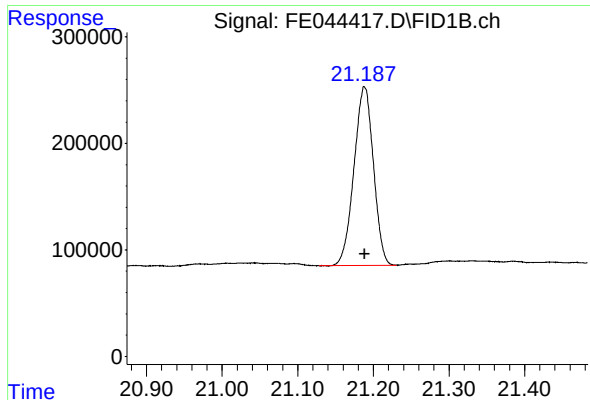
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: 0.000 min
Response: 2992931
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

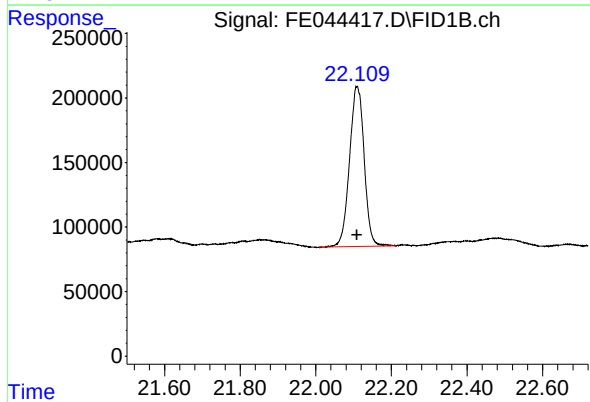
R.T.: 20.445 min
Delta R.T.: 0.000 min
Response: 2963956
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: 0.000 min
Response: 2994014
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: 0.000 min
Response: 3338853
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044417.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 09:39
 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 092523.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	3.314	3.245	3.354	BB	333435	3328802	86.61%	4.672%
2	4.565	4.530	4.608	BB	336303	3400310	88.47%	4.772%
3	6.267	6.227	6.317	BB	382778	3660752	95.25%	5.138%
4	6.729	6.685	6.763	BB	345807	3402897	88.54%	4.776%
5	7.362	7.317	7.418	BB	343826	3511713	91.37%	4.929%
6	8.555	8.517	8.598	BB	311160	3354318	87.27%	4.708%
7	10.165	10.124	10.208	BB	312902	3457014	89.95%	4.852%
8	11.609	11.562	11.652	BB	294531	3466405	90.19%	4.865%
9	11.926	11.884	11.974	BB	345748	3843403	100.00%	5.394%
10	12.920	12.874	12.964	BB	270150	3288275	85.56%	4.615%
11	13.365	13.322	13.412	BB	237165	2788542	72.55%	3.914%
12	13.533	13.486	13.577	BB	260377	3204601	83.38%	4.498%
13	14.120	14.073	14.166	BB	250446	3157611	82.16%	4.432%
14	15.223	15.175	15.275	BB	240419	3097642	80.60%	4.348%
15	16.246	16.197	16.301	BB	222794	3014595	78.44%	4.231%
16	17.197	17.147	17.249	BB	212756	2936270	76.40%	4.121%
17	18.086	18.030	18.137	BB	209255	3024207	78.69%	4.245%
18	18.920	18.867	18.967	BB	206368	3022597	78.64%	4.242%
19	19.705	19.640	19.745	BB	202792	2992931	77.87%	4.201%
20	20.445	20.406	20.482	BB	186657	2963956	77.12%	4.160%
21	21.188	21.128	21.230	BV	167637	2994014	77.90%	4.202%
22	22.109	22.009	22.212	BV	123870	3338853	86.87%	4.686%
Sum of corrected areas:							71249707	

Aliphatic EPH 092523.M Tue Sep 26 05:06:55 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044418.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 10:09
 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

Integration File: autoint1.e
 Quant Time: Sep 25 10:33:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:18:21 2023
 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)	11.925	1970179	10.848 ug/ml
Spiked Amount 50.000		Recovery =	21.70%
12) S 1-chlorooctadecane (S...	13.364	1422316	10.768 ug/ml
Spiked Amount 50.000		Recovery =	21.54%
Target Compounds			
1) T n-Nonane (C9)	3.314	1718074	10.981 ug/ml
2) T n-Decane (C10)	4.565	1742274	10.893 ug/ml
3) T A~Naphthalene (C11.7)	6.266	1874483	10.805 ug/ml
4) T n-Dodecane (C12)	6.728	1752921	10.901 ug/ml
5) T A~2-methylnaphthalene...	7.361	1784548	10.695 ug/ml
6) T n-Tetradecane (C14)	8.555	1730303	10.903 ug/ml
7) T n-Hexadecane (C16)	10.164	1784536	10.917 ug/ml
8) T n-Octadecane (C18)	11.608	1789511	10.933 ug/ml
10) T n-Eicosane (C20)	12.919	1692599	10.911 ug/ml
11) T n-Heneicosane (C21)	13.531	1646572	10.891 ug/ml
13) T n-Docosane (C22)	14.118	1617438	10.853 ug/ml
14) T n-Tetracosane (C24)	15.223	1577969	10.825 ug/ml
15) T n-Hexacosane (C26)	16.244	1527301	10.804 ug/ml
16) T n-Octacosane (C28)	17.196	1479069	10.767 ug/ml
17) T n-Tricontane (C30)	18.084	1536552	10.998 ug/ml
18) T n-Dotriacontane (C32)	18.918	1533376	11.057 ug/ml
19) T n-Tetratriacontane (C34)	19.703	1520072	10.987 ug/ml
20) T n-Hexatriacontane (C36)	20.445	1497581	10.802 ug/ml
21) T n-Octatriacontane (C38)	21.187	1535236	10.595 ug/ml
22) T n-Tetracontane (C40)	22.109	1514031	9.650 ug/ml

(f)=RT Delta > 1/2 Window

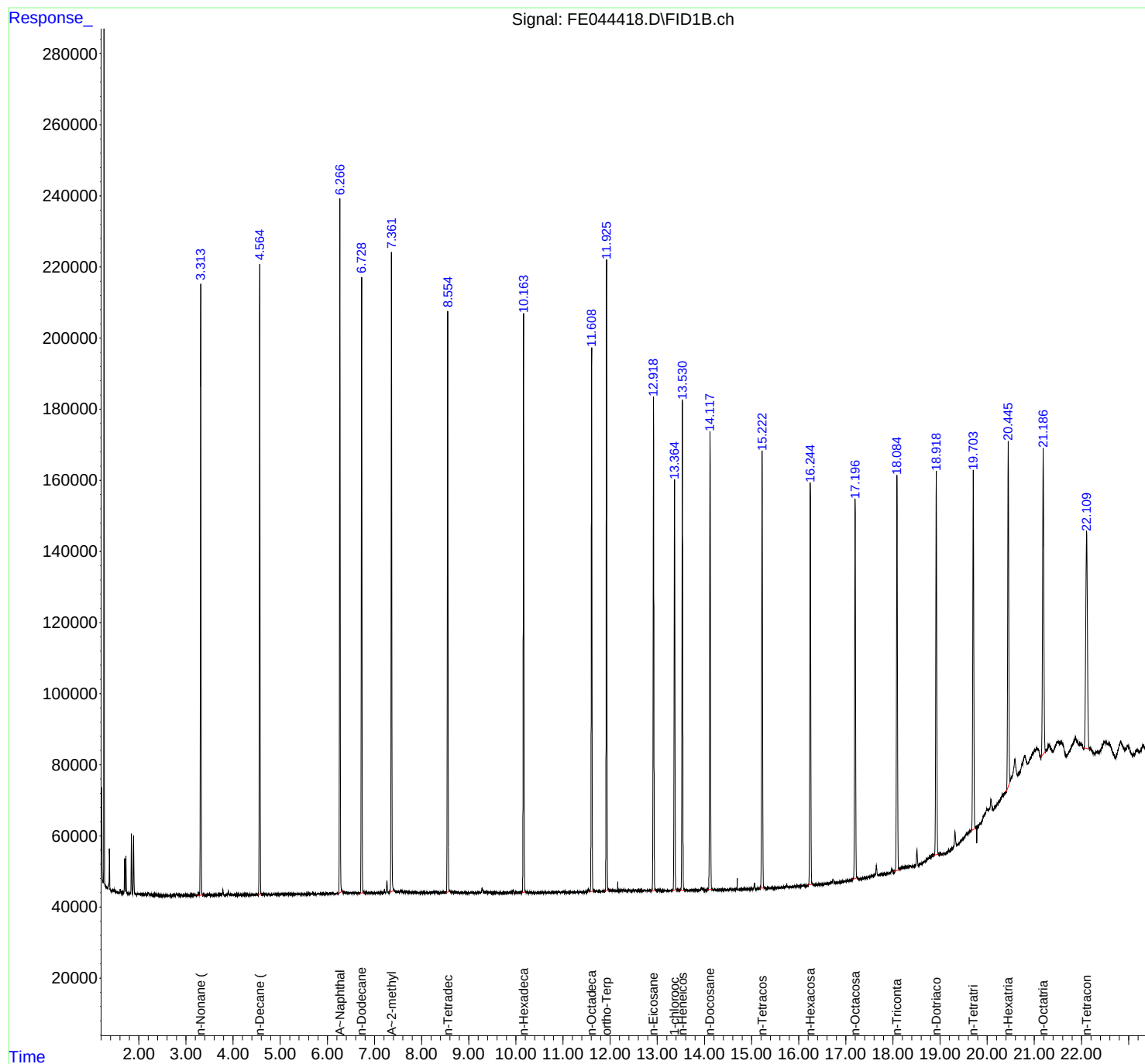
(m)=manual int.

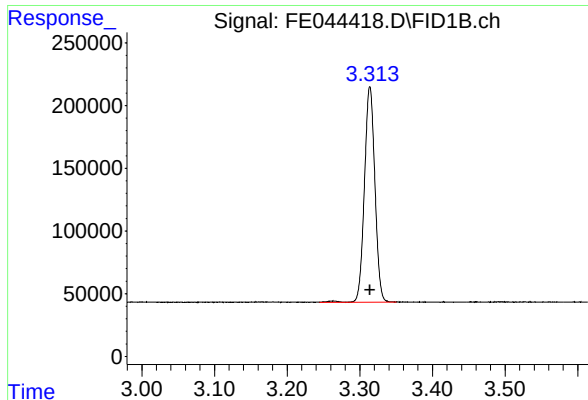
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044418.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 10:09
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 25 10:33:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
Quant Title : GC Extractables
QLast Update : Mon Sep 25 10:18:21 2023
Response via : Initial Calibration
Integrator: ChemStation

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

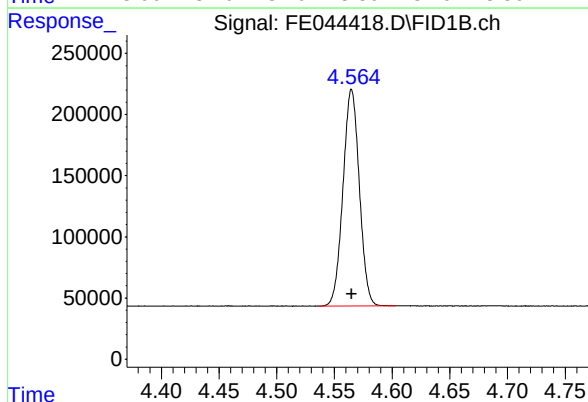




#1 n-Nonane (C9)

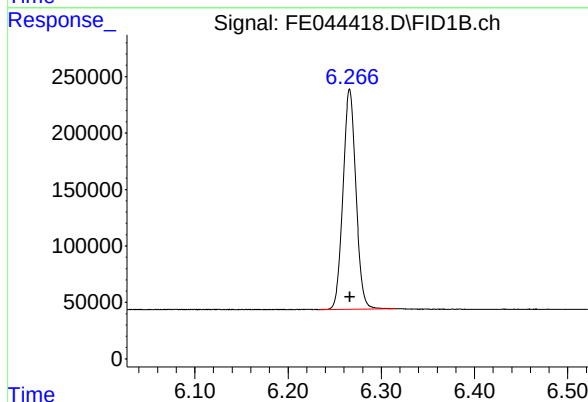
R.T.: 3.314 min
Delta R.T.: 0.000 min
Response: 1718074
Conc: 10.98 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



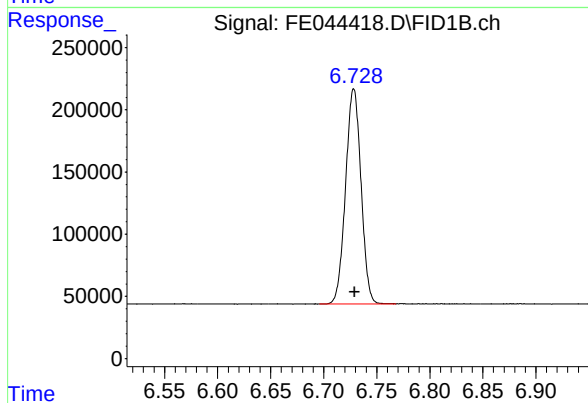
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: 0.000 min
Response: 1742274
Conc: 10.89 ug/ml



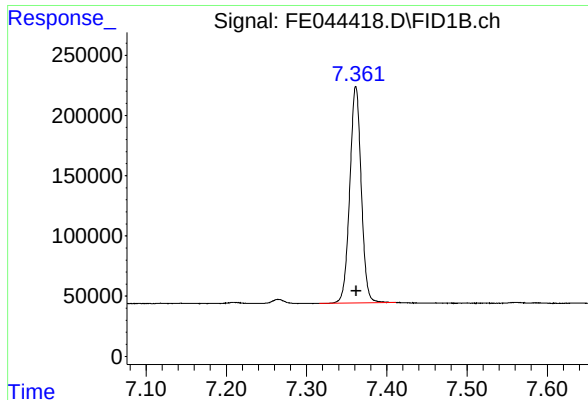
#3 A~Naphthalene (C11.7)

R.T.: 6.266 min
Delta R.T.: 0.000 min
Response: 1874483
Conc: 10.80 ug/ml



#4 n-Dodecane (C12)

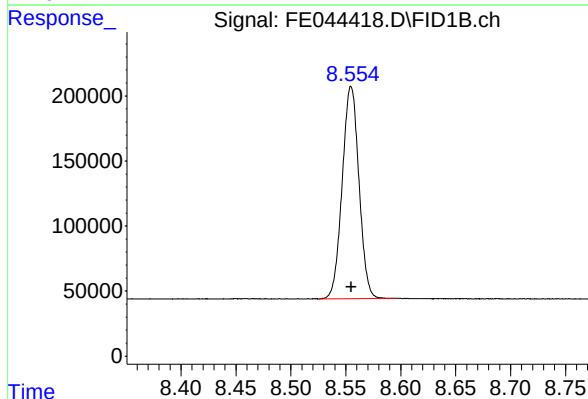
R.T.: 6.728 min
Delta R.T.: 0.000 min
Response: 1752921
Conc: 10.90 ug/ml



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

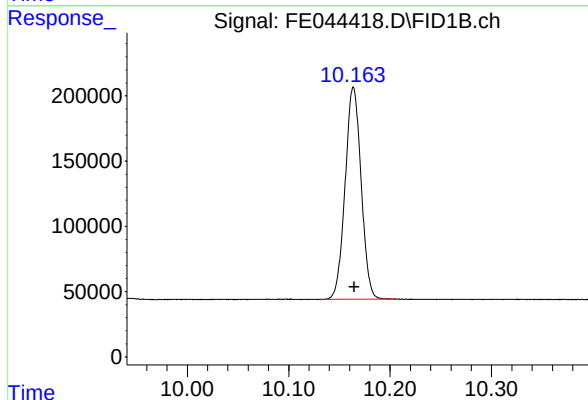
R.T.: 7.361 min
Delta R.T.: 0.000 min
Response: 1784548
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



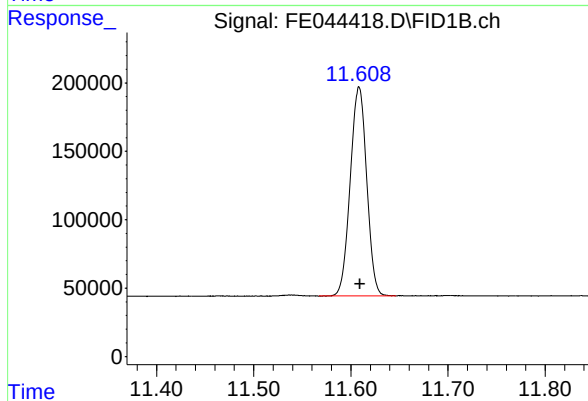
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 1730303
Conc: 10.90 ug/ml



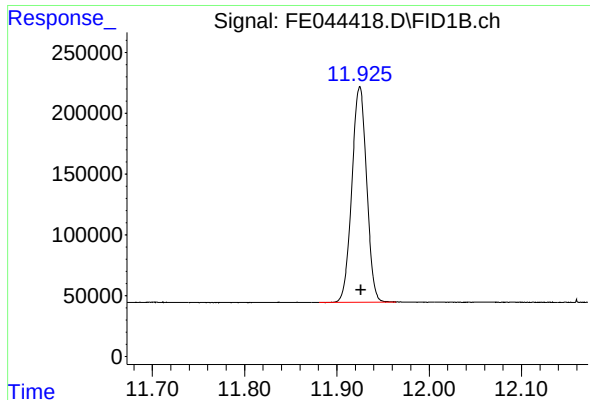
#7 n-Hexadecane (C16)

R.T.: 10.164 min
Delta R.T.: 0.000 min
Response: 1784536
Conc: 10.92 ug/ml



#8 n-Octadecane (C18)

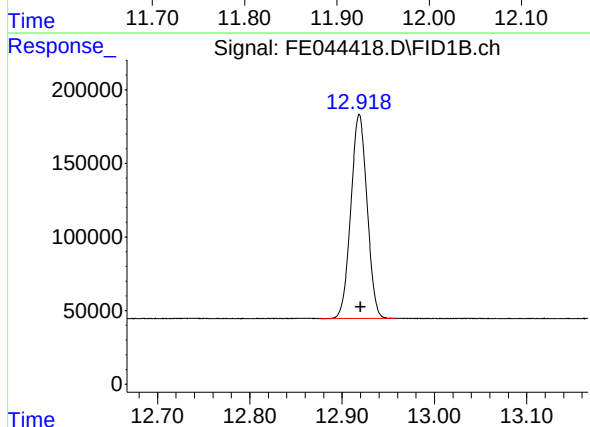
R.T.: 11.608 min
Delta R.T.: 0.000 min
Response: 1789511
Conc: 10.93 ug/ml



#9 ortho-Terphenyl (SURR)

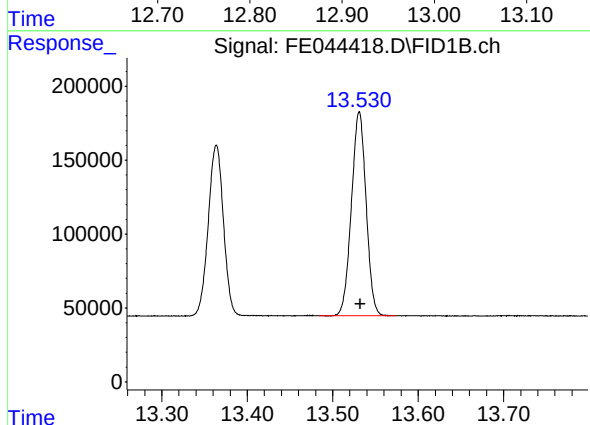
R.T.: 11.925 min
Delta R.T.: -0.001 min
Response: 1970179
Conc: 10.85 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



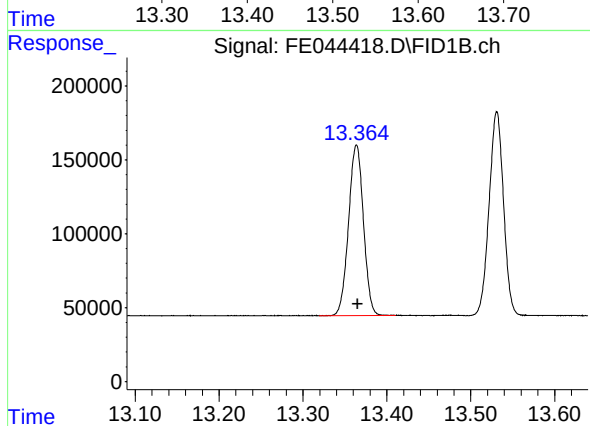
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: -0.002 min
Response: 1692599
Conc: 10.91 ug/ml



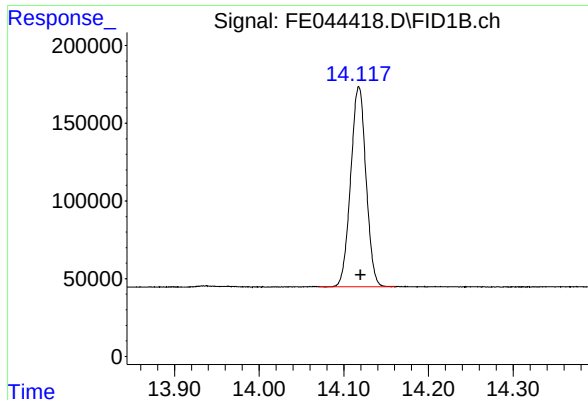
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.001 min
Response: 1646572
Conc: 10.89 ug/ml



#12 1-chlorooctadecane (SURR)

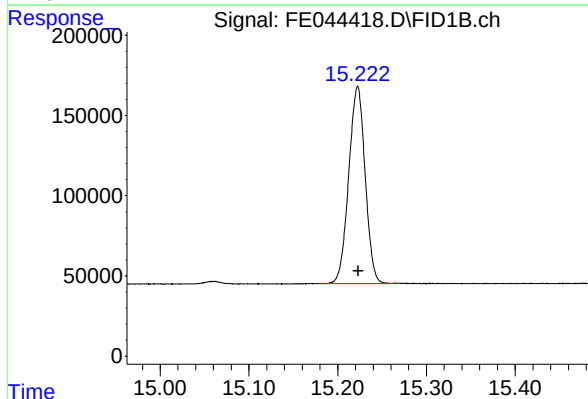
R.T.: 13.364 min
Delta R.T.: -0.001 min
Response: 1422316
Conc: 10.77 ug/ml



#13 n-Docosane (C22)

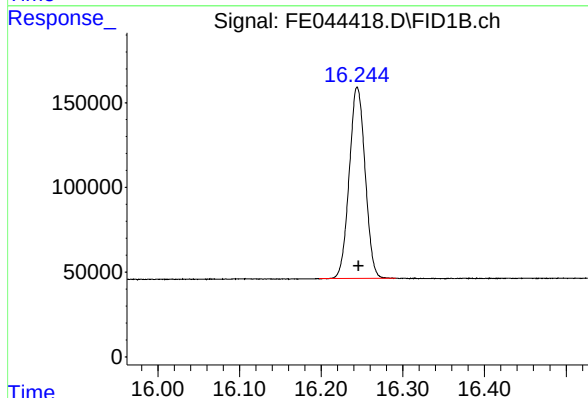
R.T.: 14.118 min
Delta R.T.: -0.002 min
Response: 1617438
Conc: 10.85 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



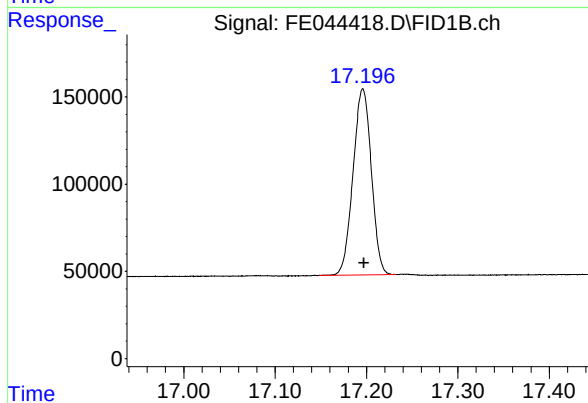
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: 0.000 min
Response: 1577969
Conc: 10.83 ug/ml



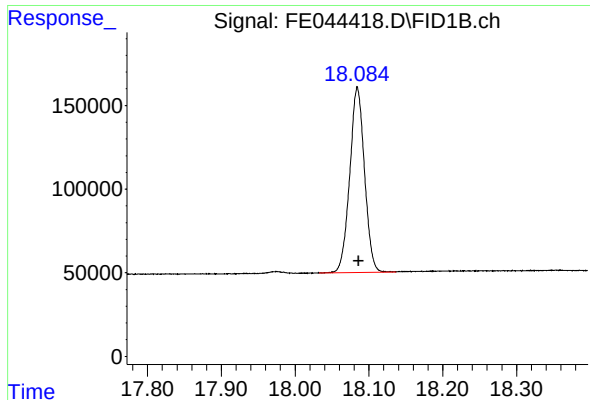
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: -0.002 min
Response: 1527301
Conc: 10.80 ug/ml



#16 n-Octacosane (C28)

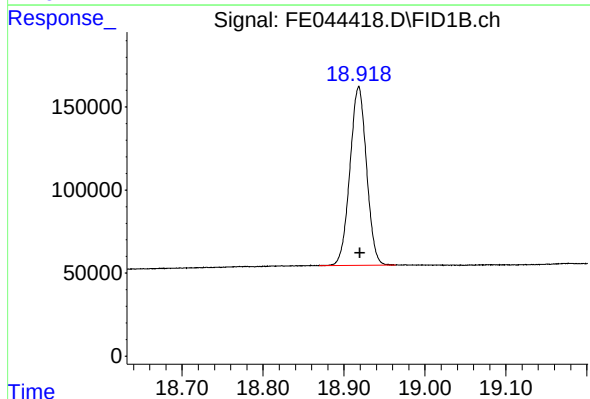
R.T.: 17.196 min
Delta R.T.: 0.000 min
Response: 1479069
Conc: 10.77 ug/ml



#17 n-Tricontane (C30)

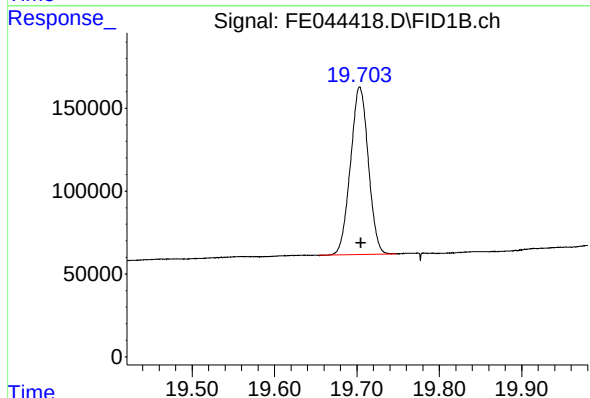
R.T.: 18.084 min
Delta R.T.: -0.002 min
Response: 1536552
Conc: 11.00 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



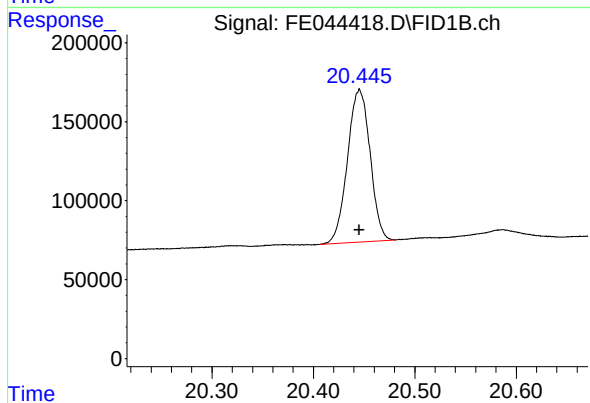
#18 n-Dotriacontane (C32)

R.T.: 18.918 min
Delta R.T.: -0.002 min
Response: 1533376
Conc: 11.06 ug/ml



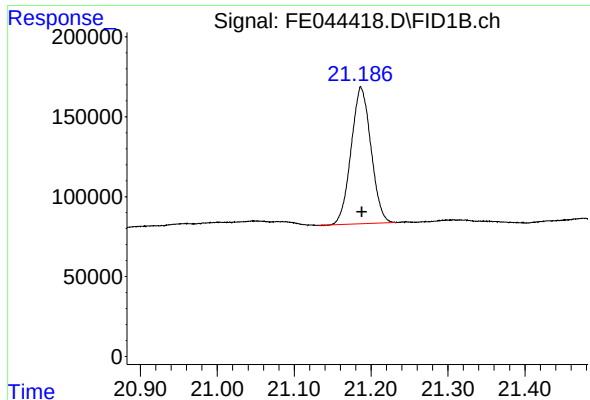
#19 n-Tetatriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.002 min
Response: 1520072
Conc: 10.99 ug/ml



#20 n-Hexatriacontane (C36)

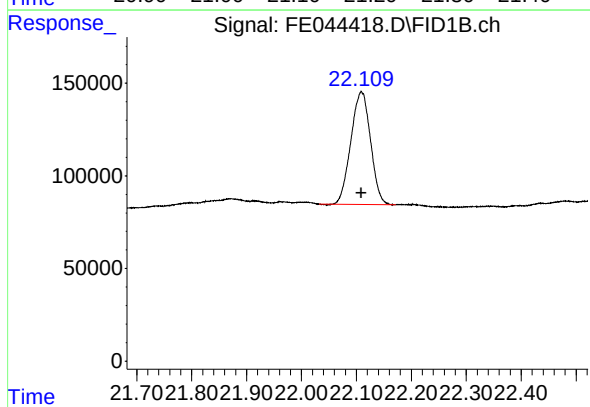
R.T.: 20.445 min
Delta R.T.: 0.000 min
Response: 1497581
Conc: 10.80 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: -0.002 min
Response: 1535236
Conc: 10.59 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: 0.000 min
Response: 1514031
Conc: 9.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044418.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 10:09
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.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	3.314	3.244	3.350	BB	171934	1718074	87.20%	4.740%
2	4.565	4.537	4.603	BB	177172	1742274	88.43%	4.807%
3	6.266	6.233	6.316	BB	195092	1874483	95.14%	5.171%
4	6.728	6.696	6.768	BB	173123	1752921	88.97%	4.836%
5	7.361	7.316	7.412	BB	179777	1784548	90.58%	4.923%
6	8.555	8.526	8.596	BB	163158	1730303	87.82%	4.774%
7	10.164	10.130	10.206	BB	162614	1784536	90.58%	4.923%
8	11.608	11.567	11.647	BB	152931	1789511	90.83%	4.937%
9	11.925	11.881	11.964	BB	177446	1970179	100.00%	5.435%
10	12.919	12.875	12.958	BB	138860	1692599	85.91%	4.670%
11	13.364	13.319	13.411	BB	115520	1422316	72.19%	3.924%
12	13.531	13.484	13.574	BB	138068	1646572	83.57%	4.543%
13	14.118	14.071	14.162	BB	128453	1617438	82.10%	4.462%
14	15.223	15.179	15.266	BB	122807	1577969	80.09%	4.353%
15	16.244	16.197	16.291	BB	112982	1527301	77.52%	4.214%
16	17.196	17.148	17.232	BB	106720	1479069	75.07%	4.081%
17	18.084	18.032	18.137	BB	111087	1536552	77.99%	4.239%
18	18.918	18.869	18.964	BB	107696	1533376	77.83%	4.230%
19	19.703	19.654	19.747	BB	101136	1520072	77.15%	4.194%
20	20.445	20.406	20.482	BB	97132	1497581	76.01%	4.132%
21	21.187	21.132	21.232	BB	85849	1535236	77.92%	4.235%
22	22.109	22.032	22.172	BB	61042	1514031	76.85%	4.177%
Sum of corrected areas:						36246940		

Aliphatic EPH 092523.M Tue Sep 26 05:07:09 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044419.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 10:39
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2023
 Supervised By :Ankita Jodhani 09/26/2023

Integration File: autoint1.e
 Quant Time: Sep 25 11:03:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 10:38:50 2023
 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)	11.923	984049	5.306 ug/ml
Spiked Amount 50.000		Recovery =	10.61%
12) S 1-chlorooctadecane (S...	13.362	708613	5.264 ug/ml
Spiked Amount 50.000		Recovery =	10.53%
Target Compounds			
1) T n-Nonane (C9)	3.313	852841	5.320 ug/ml
2) T n-Decane (C10)	4.564	869512	5.318 ug/ml
3) T A~Naphthalene (C11.7)	6.265	930119	5.256 ug/ml
4) T n-Dodecane (C12)	6.727	869789	5.290 ug/ml
5) T A~2-methylnaphthalene...	7.360	882052	5.196 ug/ml
6) T n-Tetradecane (C14)	8.554	858641	5.291 ug/ml
7) T n-Hexadecane (C16)	10.162	890915	5.328 ug/ml
8) T n-Octadecane (C18)	11.606	894662	5.341 ug/ml
10) T n-Eicosane (C20)	12.917	848998	5.351 ug/ml
11) T n-Heneicosane (C21)	13.530	823558	5.329 ug/ml
13) T n-Docosane (C22)	14.117	811700	5.333 ug/ml
14) T n-Tetracosane (C24)	15.222	803655	5.402 ug/ml
15) T n-Hexacosane (C26)	16.244	793229	5.501 ug/ml
16) T n-Octacosane (C28)	17.195	785409	5.610 ug/ml
17) T n-Tricontane (C30)	18.083	841801	5.878 ug/ml
18) T n-Dotriacontane (C32)	18.917	854091	6.000 ug/ml
19) T n-Tetratriacontane (C34)	19.703	818295	5.772 ug/ml
20) T n-Hexatriacontane (C36)	20.444	797894	5.642 ug/ml
21) T n-Octatriacontane (C38)	21.186	803560	5.464 ug/ml
22) T n-Tetracontane (C40)	22.107	834732	5.367 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044419.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 10:39
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

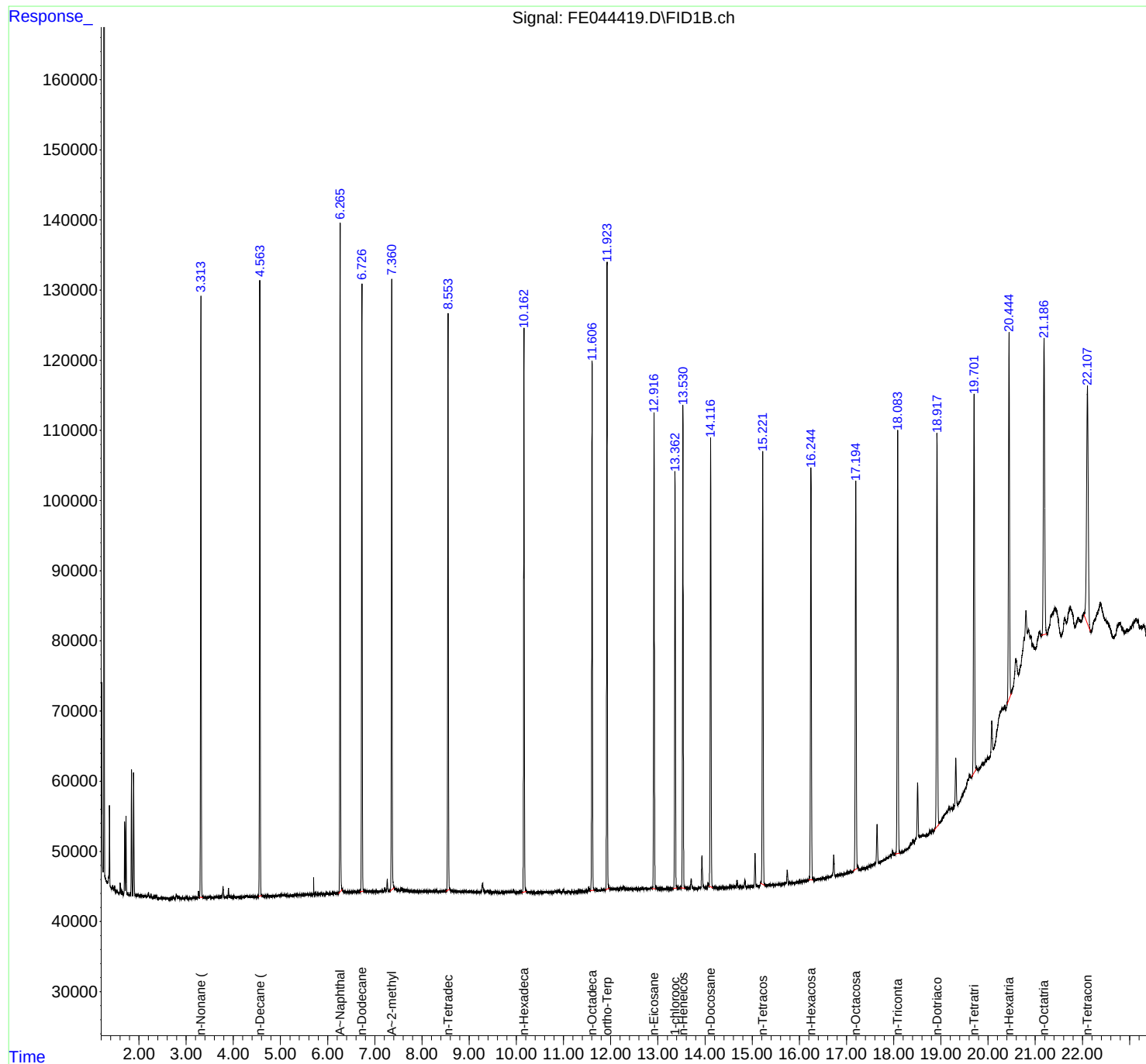
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

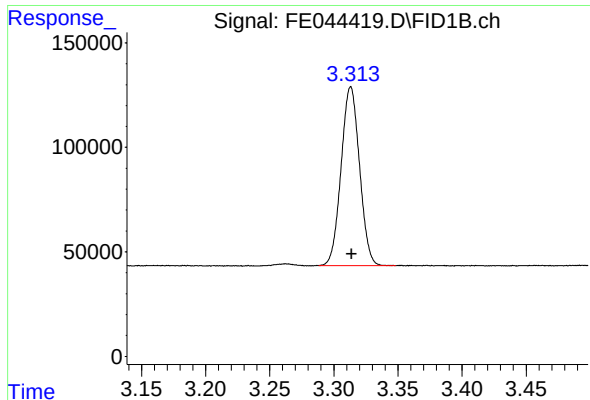
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023

Integration File: autoint1.e
Quant Time: Sep 25 11:03:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.
Quant Title : GC Extractables
QLast Update : Mon Sep 25 10:38:50 2023
Response via : Initial Calibration
Integrator: ChemStation

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





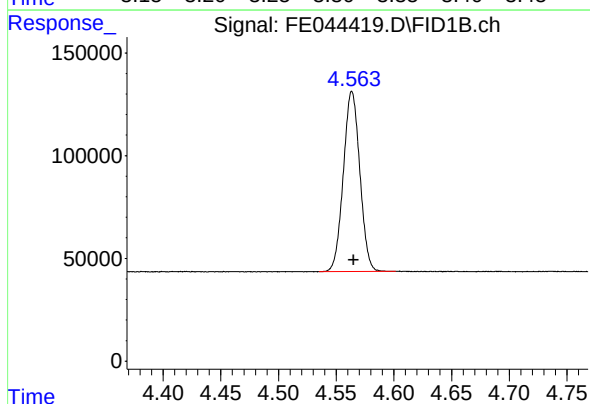
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: 0.000 min
Response: 852841
Conc: 5.32 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

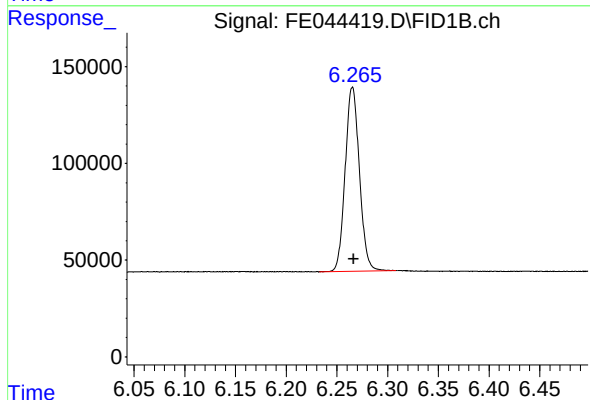
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



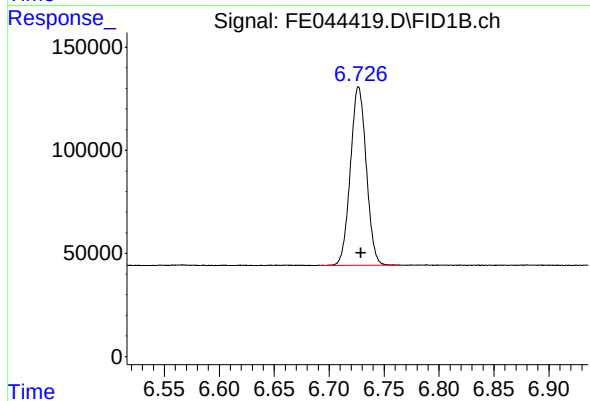
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: -0.001 min
Response: 869512
Conc: 5.32 ug/ml



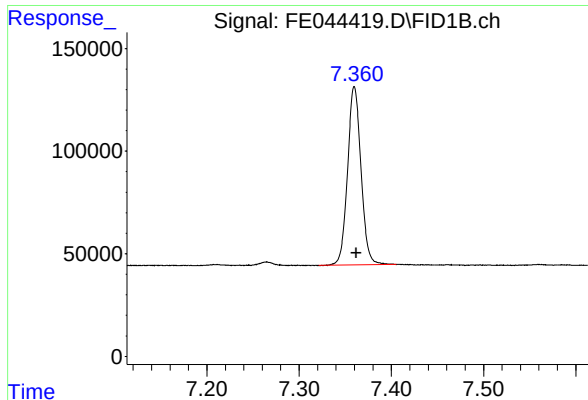
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.001 min
Response: 930119
Conc: 5.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.002 min
Response: 869789
Conc: 5.29 ug/ml



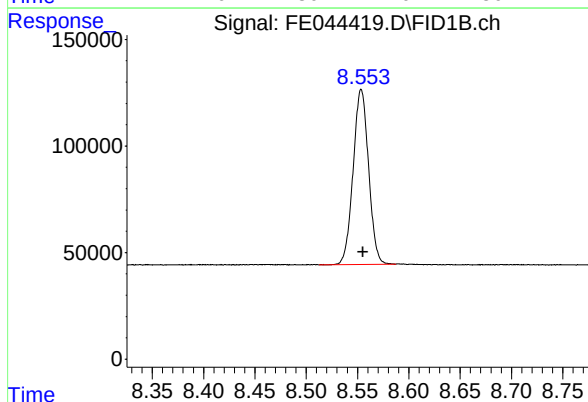
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.002 min
Response: 882052
Conc: 5.20 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

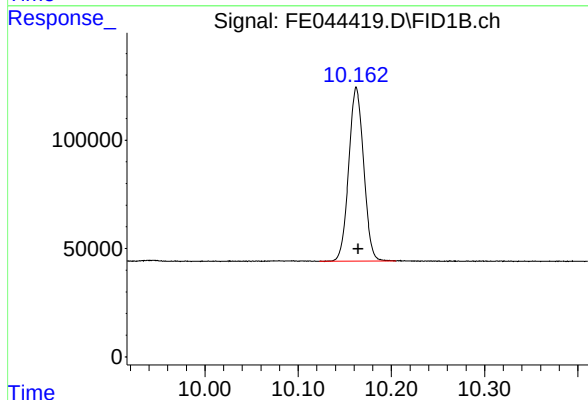
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



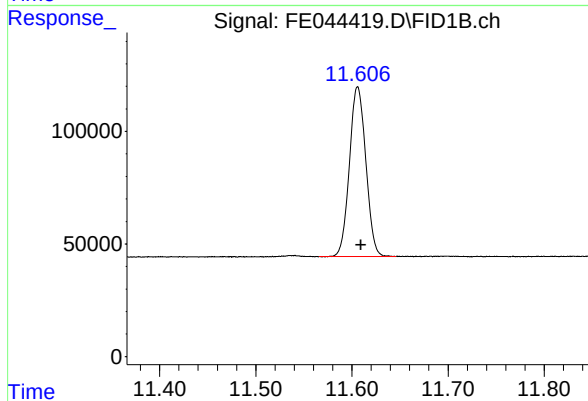
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.002 min
Response: 858641
Conc: 5.29 ug/ml



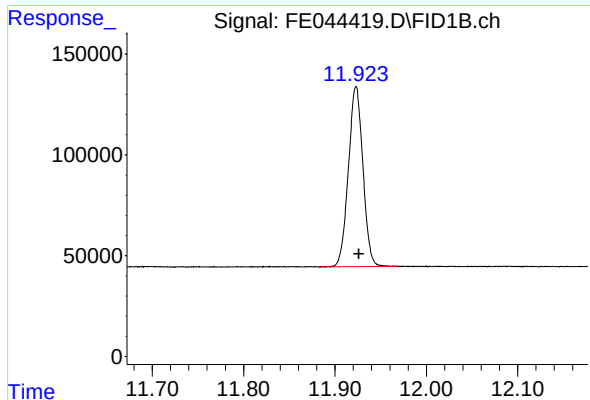
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.002 min
Response: 890915
Conc: 5.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: -0.003 min
Response: 894662
Conc: 5.34 ug/ml



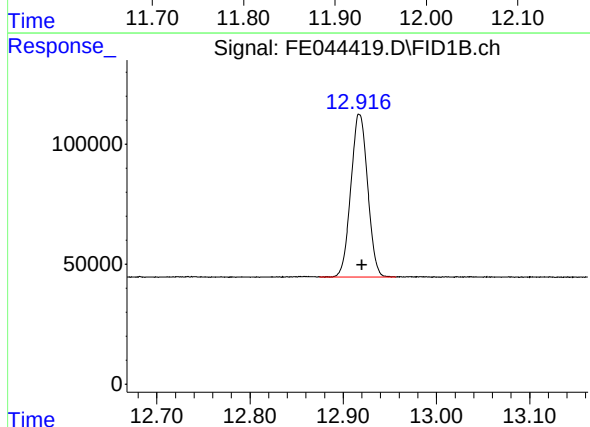
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 984049
Conc: 5.31 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

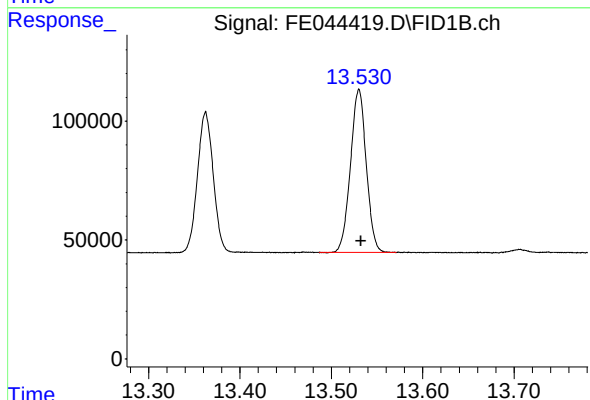
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



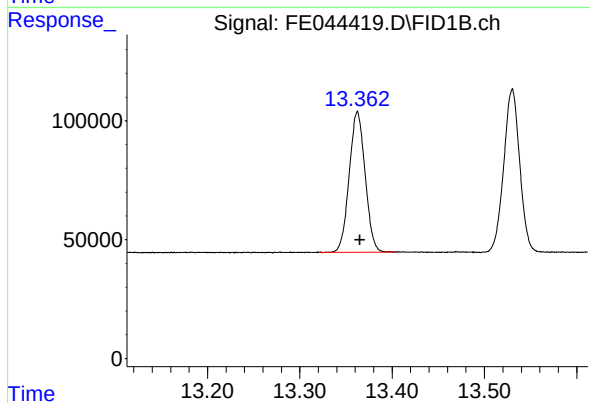
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.003 min
Response: 848998
Conc: 5.35 ug/ml



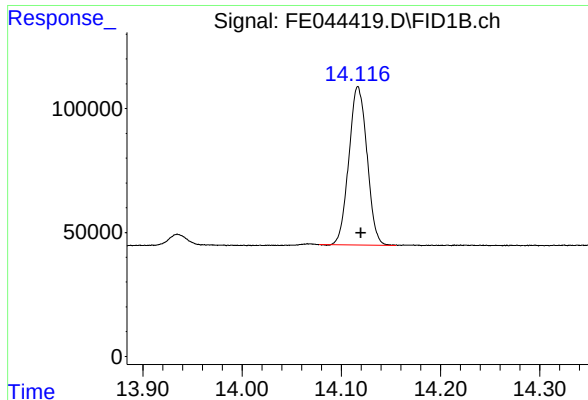
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: -0.002 min
Response: 823558
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.003 min
Response: 708613
Conc: 5.26 ug/ml



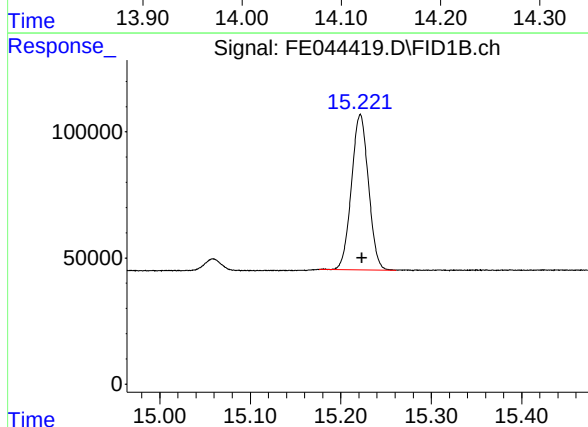
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.003 min
Response: 811700
Conc: 5.33 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

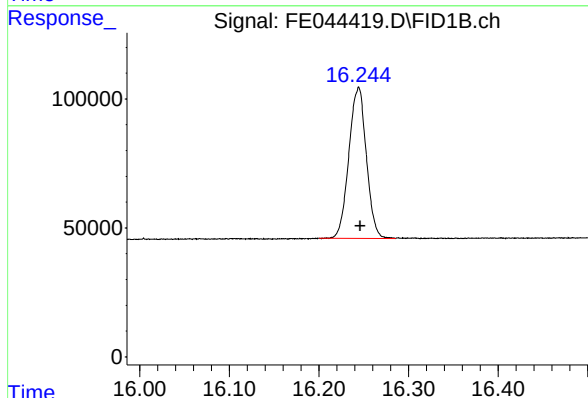
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



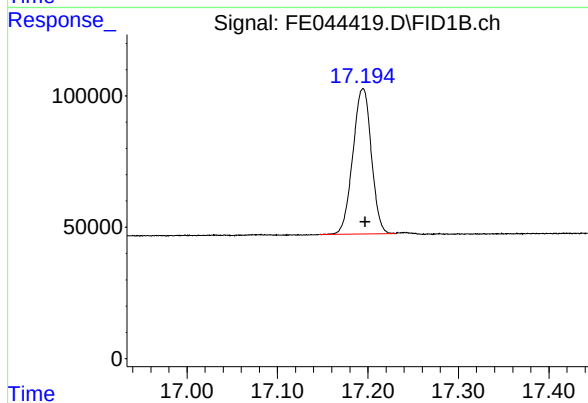
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.002 min
Response: 803655
Conc: 5.40 ug/ml



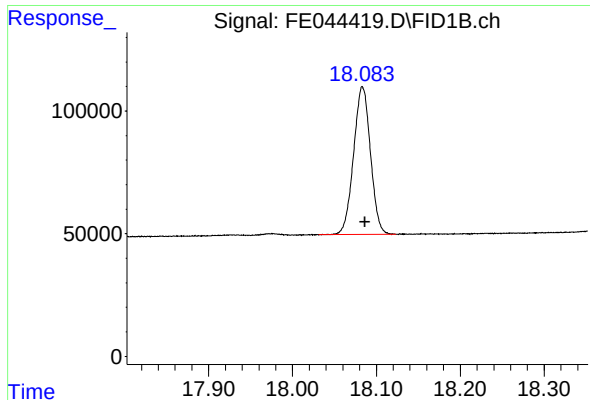
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: -0.002 min
Response: 793229
Conc: 5.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: -0.003 min
Response: 785409
Conc: 5.61 ug/ml



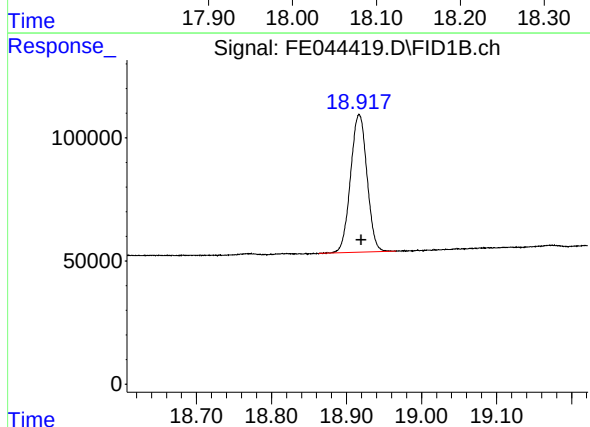
#17 n-Tricontane (C30)

R.T.: 18.083 min
Delta R.T.: -0.003 min
Response: 841801
Conc: 5.88 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

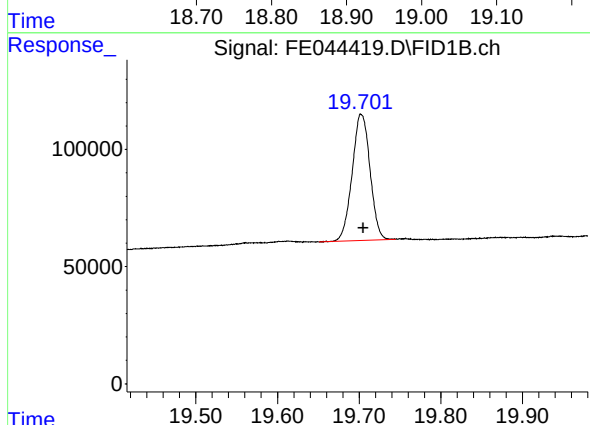
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



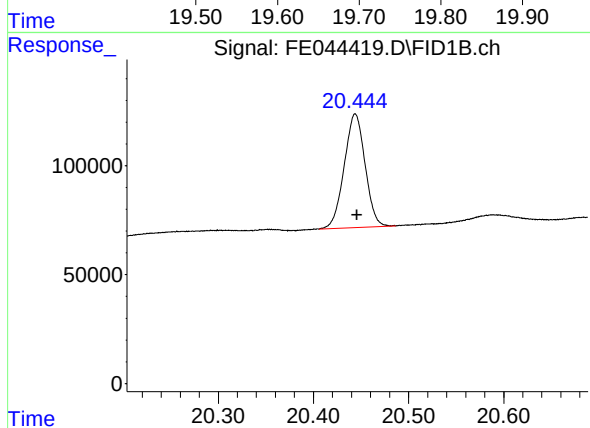
#18 n-Dotriacontane (C32)

R.T.: 18.917 min
Delta R.T.: -0.003 min
Response: 854091
Conc: 6.00 ug/ml



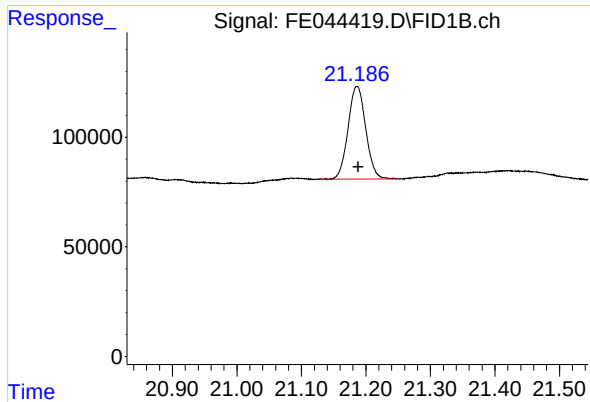
#19 n-Tetatriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.002 min
Response: 818295
Conc: 5.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.002 min
Response: 797894
Conc: 5.64 ug/ml



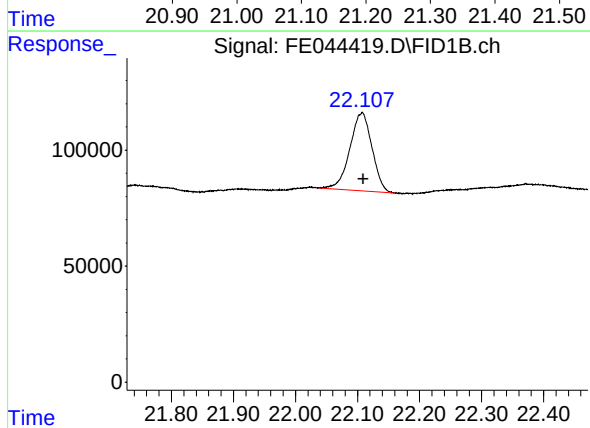
#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: -0.002 min
Response: 803560
Conc: 5.46 ug/ml

Instrument : FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
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Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023



#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: -0.002 min
Response: 834732
Conc: 5.37 ug/ml m

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Ankita Jodhani 09/26/2023

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE
Data File : FE044419.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 10:39
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 092523.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	3.313	3.288	3.348	BB	85697	852841	86.67%	4.572%
2	4.564	4.535	4.602	BB	87752	869512	88.36%	4.661%
3	6.265	6.232	6.308	BB	95179	930119	94.52%	4.986%
4	6.727	6.691	6.761	BB	86559	869789	88.39%	4.663%
5	7.360	7.322	7.405	BB	86979	882052	89.63%	4.729%
6	8.554	8.512	8.587	BB	82201	858641	87.26%	4.603%
7	10.162	10.122	10.205	BB	80181	890915	90.54%	4.776%
8	11.606	11.566	11.646	BB	75380	894662	90.92%	4.796%
9	11.923	11.882	11.967	BB	89457	984049	100.00%	5.275%
10	12.917	12.874	12.957	BB	67725	848998	86.28%	4.551%
11	13.362	13.321	13.404	BB	59333	708613	72.01%	3.799%
12	13.530	13.487	13.571	BB	68677	823558	83.69%	4.415%
13	14.117	14.077	14.155	BB	63981	811700	82.49%	4.352%
14	15.222	15.176	15.261	BB	61713	803655	81.67%	4.308%
15	16.244	16.200	16.286	BB	58706	793229	80.61%	4.252%
16	17.195	17.146	17.231	BB	55395	785409	79.81%	4.211%
17	18.083	18.032	18.123	BB	60224	841801	85.54%	4.513%
18	18.917	18.863	18.966	BB	55985	854091	86.79%	4.579%
19	19.703	19.651	19.745	BB	53792	818295	83.16%	4.387%
20	20.444	20.406	20.487	BB	52207	797894	81.08%	4.277%
21	21.186	21.127	21.247	BB	42218	803560	81.66%	4.308%
22	22.108	21.967	22.175	BB	34446	929947	94.50%	4.985%
Sum of corrected areas:						18653329		

Aliphatic EPH 092523.M Tue Sep 26 05:07:29 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044420.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 11:09
 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: Sep 25 12:00:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 Response via : Initial Calibration
 Integrator: ChemStation

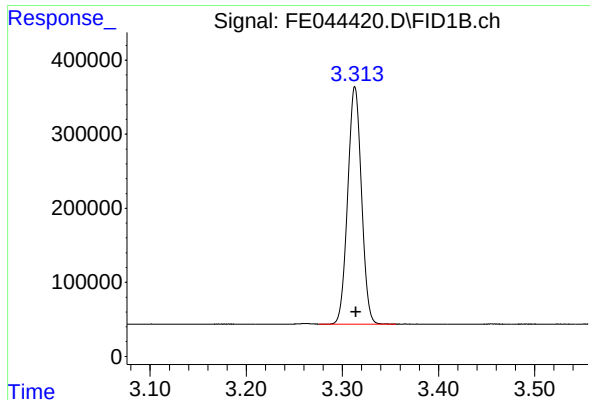
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.925	3730130	19.869 ug/ml
Spiked Amount 50.000		Recovery =	39.74%
12) S 1-chlorooctadecane (S...	13.364	2708565	19.910 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
Target Compounds			
1) T n-Nonane (C9)	3.313	3187904	19.636 ug/ml
2) T n-Decane (C10)	4.565	3253561	19.648 ug/ml
3) T A~Naphthalene (C11.7)	6.265	3527865	19.732 ug/ml
4) T n-Dodecane (C12)	6.728	3272157	19.672 ug/ml
5) T A~2-methylnaphthalene...	7.361	3385879	19.790 ug/ml
6) T n-Tetradecane (C14)	8.555	3241700	19.746 ug/ml
7) T n-Hexadecane (C16)	10.163	3346768	19.756 ug/ml
8) T n-Octadecane (C18)	11.608	3374185	19.873 ug/ml
10) T n-Eicosane (C20)	12.919	3191641	19.837 ug/ml
11) T n-Heneicosane (C21)	13.531	3109632	19.859 ug/ml
13) T n-Docosane (C22)	14.119	3060261	19.842 ug/ml
14) T n-Tetracosane (C24)	15.222	3000136	19.847 ug/ml
15) T n-Hexacosane (C26)	16.244	2921022	19.858 ug/ml
16) T n-Octacosane (C28)	17.196	2844948	19.836 ug/ml
17) T n-Tricontane (C30)	18.085	2954245	19.930 ug/ml
18) T n-Dotriacontane (C32)	18.918	2963205	20.017 ug/ml
19) T n-Tetratriacontane (C34)	19.703	2908498	19.902 ug/ml
20) T n-Hexatriacontane (C36)	20.445	2872303	19.802 ug/ml
21) T n-Octatriacontane (C38)	21.188	2946117	19.668 ug/ml
22) T n-Tetracontane (C40)	22.112	3016366	19.114 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



#1 n-Nonane (C9)

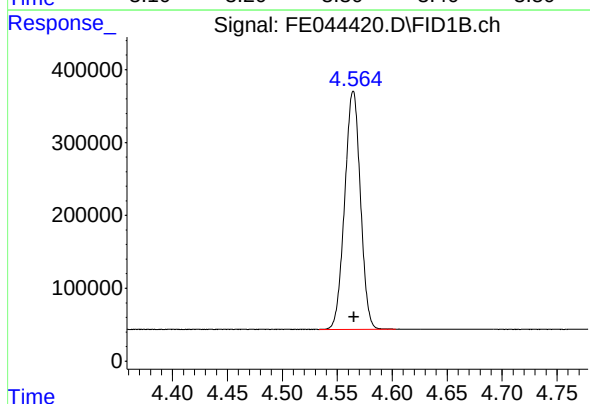
R.T.: 3.313 min
Delta R.T.: 0.000 min
Response: 3187904
Conc: 19.64 ug/ml

Instrument :

FID_E

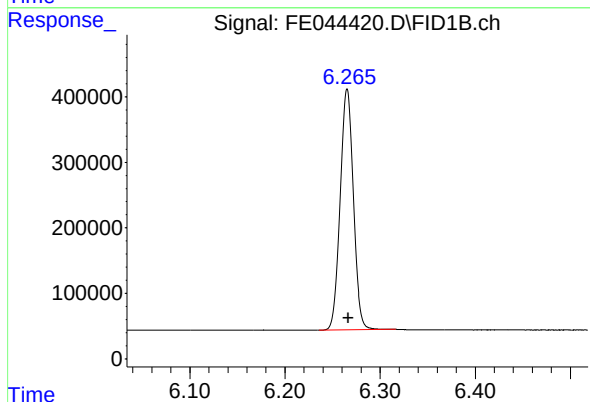
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



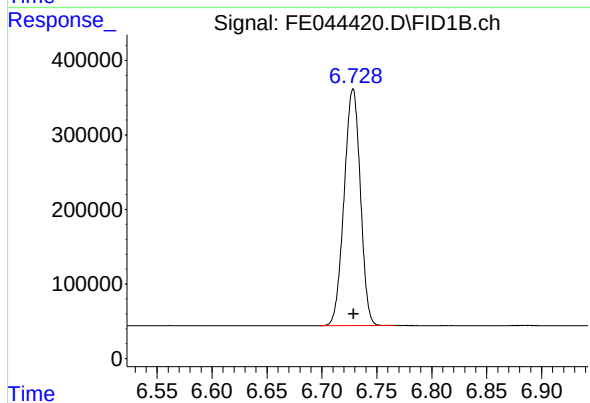
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: 0.000 min
Response: 3253561
Conc: 19.65 ug/ml



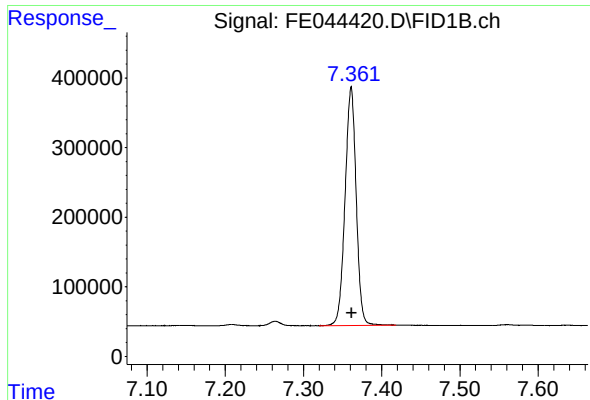
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.001 min
Response: 3527865
Conc: 19.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.728 min
Delta R.T.: 0.000 min
Response: 3272157
Conc: 19.67 ug/ml



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

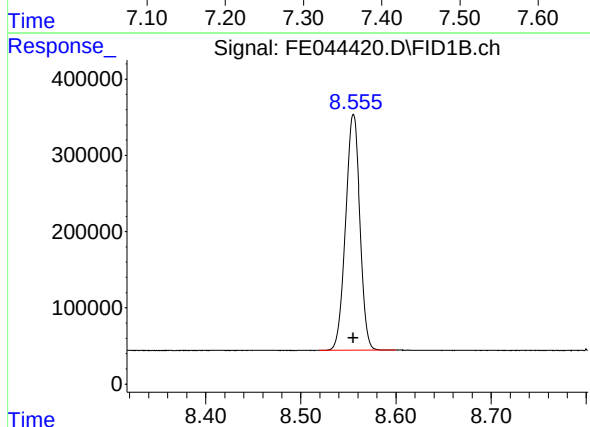
R.T.: 7.361 min
Delta R.T.: 0.000 min
Response: 3385879
Conc: 19.79 ug/ml

Instrument :

FID_E

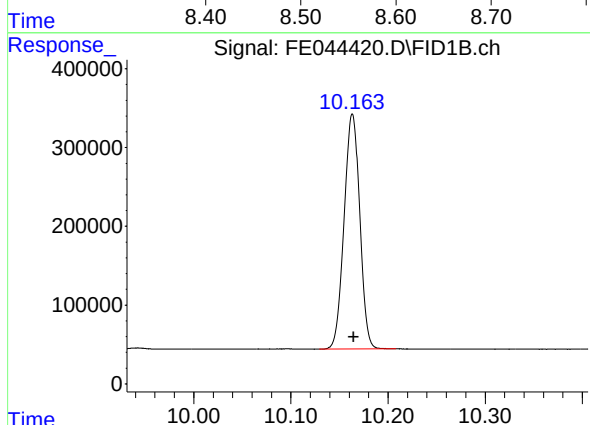
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



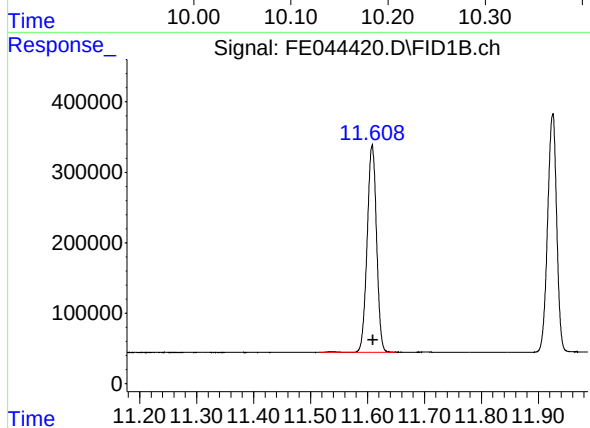
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 3241700
Conc: 19.75 ug/ml



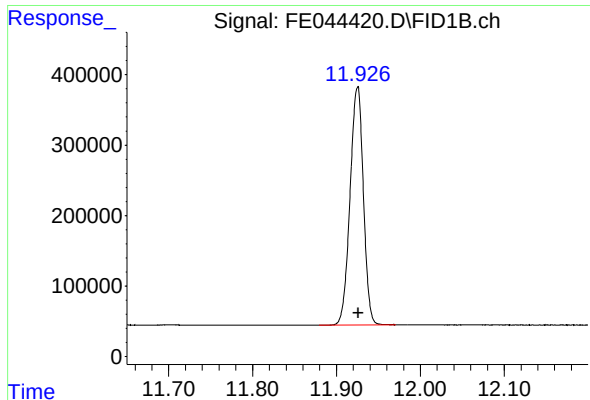
#7 n-Hexadecane (C16)

R.T.: 10.163 min
Delta R.T.: -0.001 min
Response: 3346768
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.608 min
Delta R.T.: -0.001 min
Response: 3374185
Conc: 19.87 ug/ml



#9 ortho-Terphenyl (SURR)

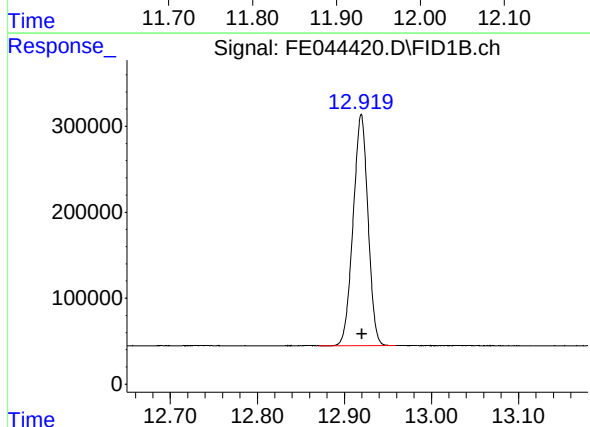
R.T.: 11.925 min
Delta R.T.: 0.000 min
Response: 3730130
Conc: 19.87 ug/ml

Instrument :

FID_E

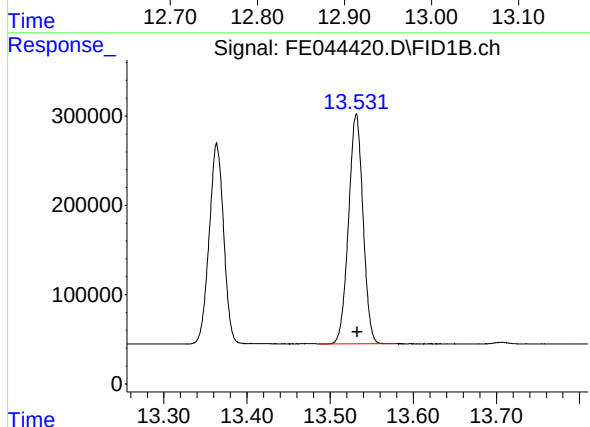
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



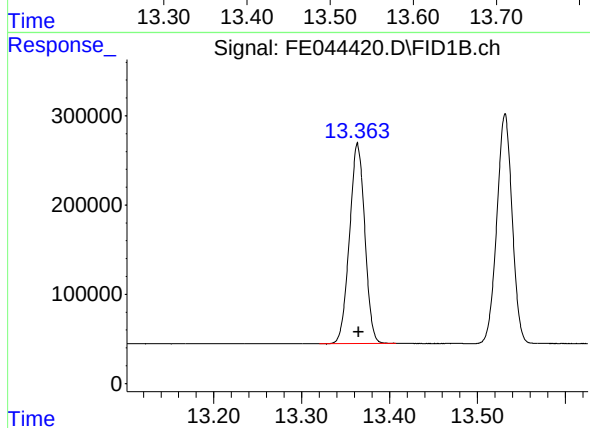
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: 0.000 min
Response: 3191641
Conc: 19.84 ug/ml



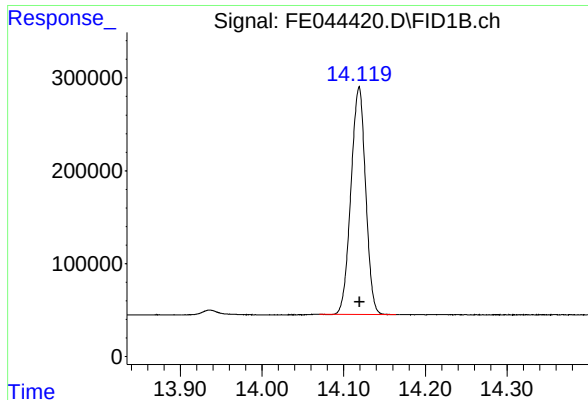
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.001 min
Response: 3109632
Conc: 19.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: -0.002 min
Response: 2708565
Conc: 19.91 ug/ml



#13 n-Docosane (C22)

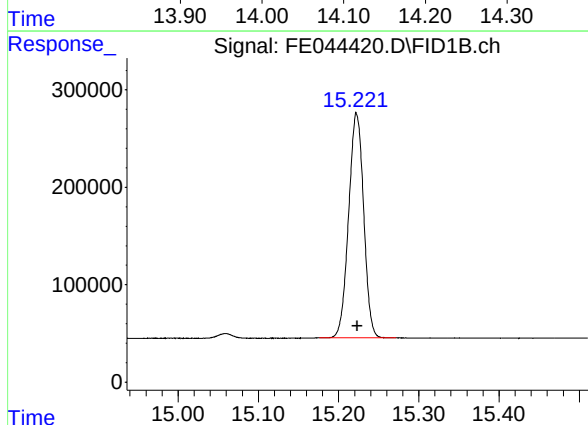
R.T.: 14.119 min
Delta R.T.: 0.000 min
Response: 3060261
Conc: 19.84 ug/ml

Instrument :

FID_E

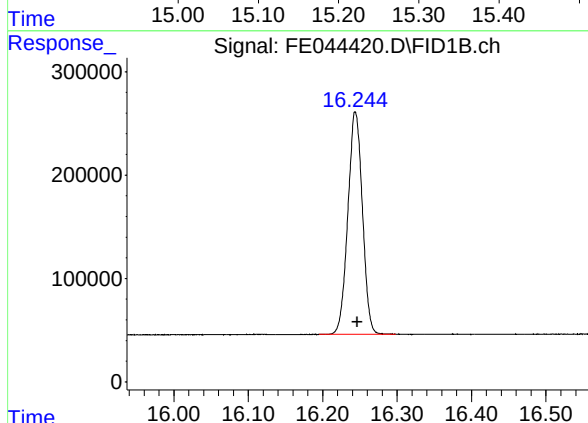
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



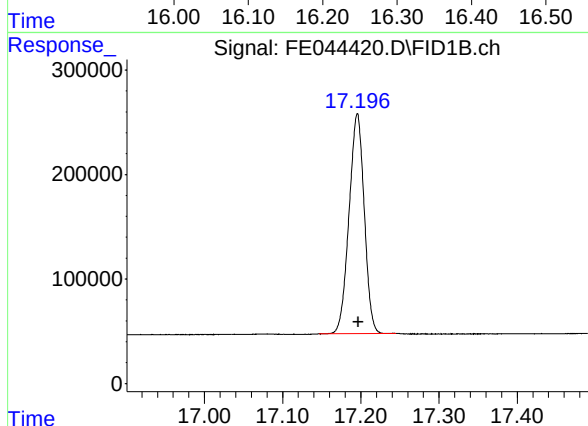
#14 n-Tetracosane (C24)

R.T.: 15.222 min
Delta R.T.: -0.001 min
Response: 3000136
Conc: 19.85 ug/ml



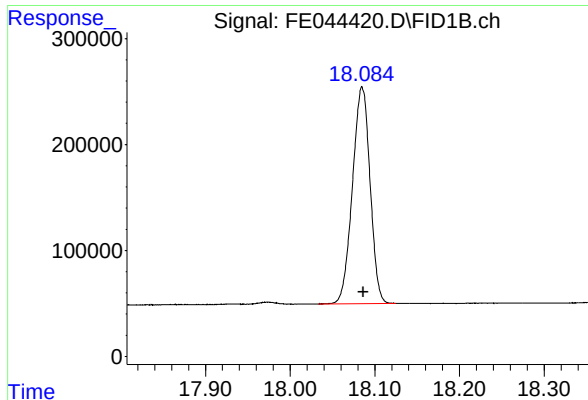
#15 n-Hexacosane (C26)

R.T.: 16.244 min
Delta R.T.: -0.002 min
Response: 2921022
Conc: 19.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.001 min
Response: 2844948
Conc: 19.84 ug/ml



#17 n-Tricontane (C30)

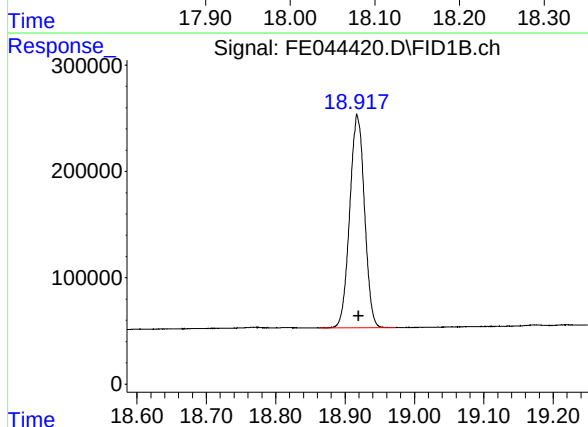
R.T.: 18.085 min
Delta R.T.: -0.001 min
Response: 2954245
Conc: 19.93 ug/ml

Instrument :

FID_E

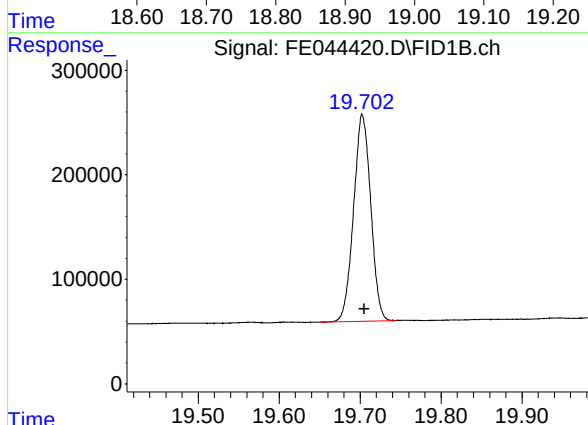
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



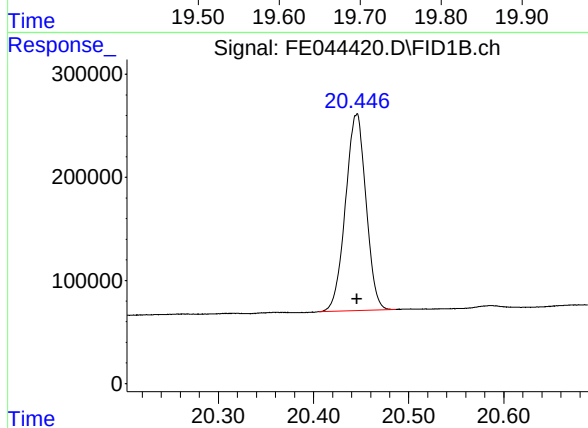
#18 n-Dotriacontane (C32)

R.T.: 18.918 min
Delta R.T.: -0.002 min
Response: 2963205
Conc: 20.02 ug/ml



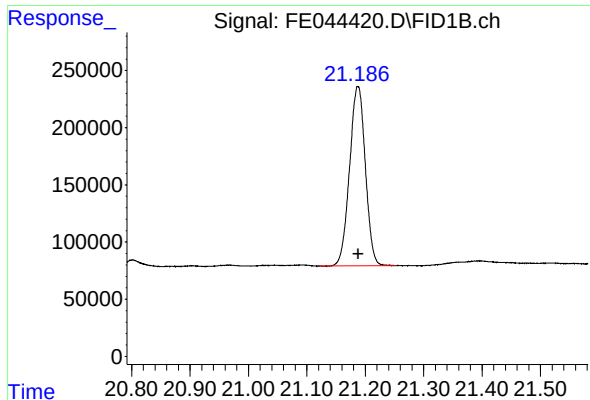
#19 n-Tetatriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.002 min
Response: 2908498
Conc: 19.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: 0.000 min
Response: 2872303
Conc: 19.80 ug/ml



#21 n-Octatriacontane (C38)

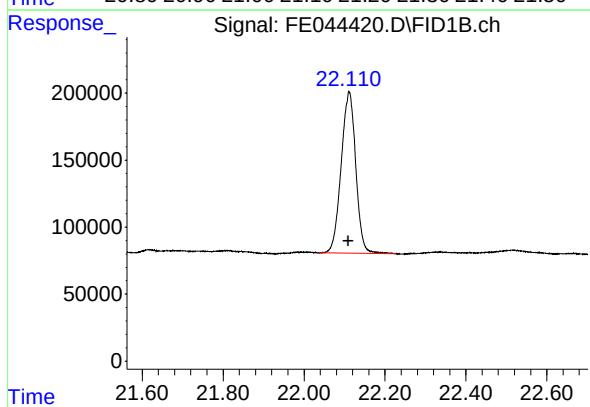
R.T.: 21.188 min
Delta R.T.: 0.000 min
Response: 2946117
Conc: 19.67 ug/ml

Instrument :

FID_E

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.112 min
Delta R.T.: 0.002 min
Response: 3016366
Conc: 19.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
Data File : FE044420.D
Signal(s) : FID1B.ch
Acq On : 25 Sep 2023 11:09
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 092523.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	3.313	3.276	3.356	BB	320445	3187904	85.46%	4.632%
2	4.565	4.533	4.603	BB	327282	3253561	87.22%	4.728%
3	6.265	6.236	6.317	BB	367923	3527865	94.58%	5.126%
4	6.728	6.697	6.767	BB	317758	3272157	87.72%	4.755%
5	7.361	7.320	7.418	BB	342576	3385879	90.77%	4.920%
6	8.555	8.519	8.600	BB	309477	3241700	86.91%	4.711%
7	10.163	10.129	10.208	BB	298554	3346768	89.72%	4.863%
8	11.608	11.515	11.650	BB	294018	3374185	90.46%	4.903%
9	11.925	11.879	11.971	BB	337064	3730130	100.00%	5.420%
10	12.919	12.871	12.959	BB	269106	3191641	85.56%	4.638%
11	13.364	13.320	13.407	BB	224647	2708565	72.61%	3.936%
12	13.531	13.487	13.579	BB	257598	3109632	83.37%	4.519%
13	14.119	14.070	14.164	BB	245644	3060261	82.04%	4.447%
14	15.222	15.176	15.272	BB	230145	3000136	80.43%	4.360%
15	16.244	16.195	16.298	BB	215255	2921022	78.31%	4.245%
16	17.196	17.147	17.245	BB	210540	2844948	76.27%	4.134%
17	18.085	18.034	18.125	BB	204816	2954245	79.20%	4.293%
18	18.918	18.862	18.973	BB	199916	2963205	79.44%	4.306%
19	19.703	19.649	19.744	BB	198096	2908498	77.97%	4.226%
20	20.445	20.406	20.487	BB	191016	2872303	77.00%	4.174%
21	21.188	21.121	21.252	BB	156596	2946117	78.98%	4.281%
22	22.112	22.037	22.227	BB	120391	3016366	80.86%	4.383%
Sum of corrected areas:						68817084		

Aliphatic EPH 092523.M Tue Sep 26 05:07:58 2023