

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
 Data File : FD048549.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 01:53
 Operator : YP/AJ
 Sample : PB164309BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164309BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e

Quant Time: Oct 23 05:08:59 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.375	9156141	55.301 ug/ml
Spiked Amount 50.000		Recovery =	110.60%
6) S 2-Fluorobiphenyl (SURR)	8.226	6092899	58.752 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.50%
11) S ortho-Terphenyl (SURR)	11.262	8373445	45.509 ug/ml
Spiked Amount 50.000		Recovery =	91.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.198	7084905	40.426 ug/ml
2) T Naphthalene (C11.7)	5.715	8079742	43.274 ug/ml
3) T 2-Methylnaphthalene (...)	6.762	7936048	41.992 ug/ml
5) T Acenaphthylene (C15.06)	8.028	8489019	44.250 ug/ml
7) T Acenaphthene (C15.5)	8.324	8910017	47.104 ug/ml
8) T Flouorene (C16.55)	9.102	9180269	50.811 ug/ml
9) T Phenanthrene (C19.36)	10.490	9364043	52.836 ug/ml
10) T Anthracene (C19.43)	10.566	9496638	53.370 ug/ml
12) T Fluoranthene (C21.85)	12.296	9500306	52.525 ug/mlm
13) T Pyrene (C20.8)	12.589	9898866	55.280 ug/ml
14) T Benzo[a]anthracene (C...	14.457	8783760	54.962 ug/ml
15) T Chrysene (C27.41)	14.501	8916179	47.801 ug/ml
16) T benzo[b]fluoranthene ...	16.006	8570622	51.462 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	8531946	50.262 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.382	8266390	50.577 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	8684848	66.024 ug/ml
20) T Dibenz[a,h]anthracene...	17.788	8271453	49.431 ug/ml
21) T Benzo[g,h,i]perylene ...	18.002	7994863	49.222 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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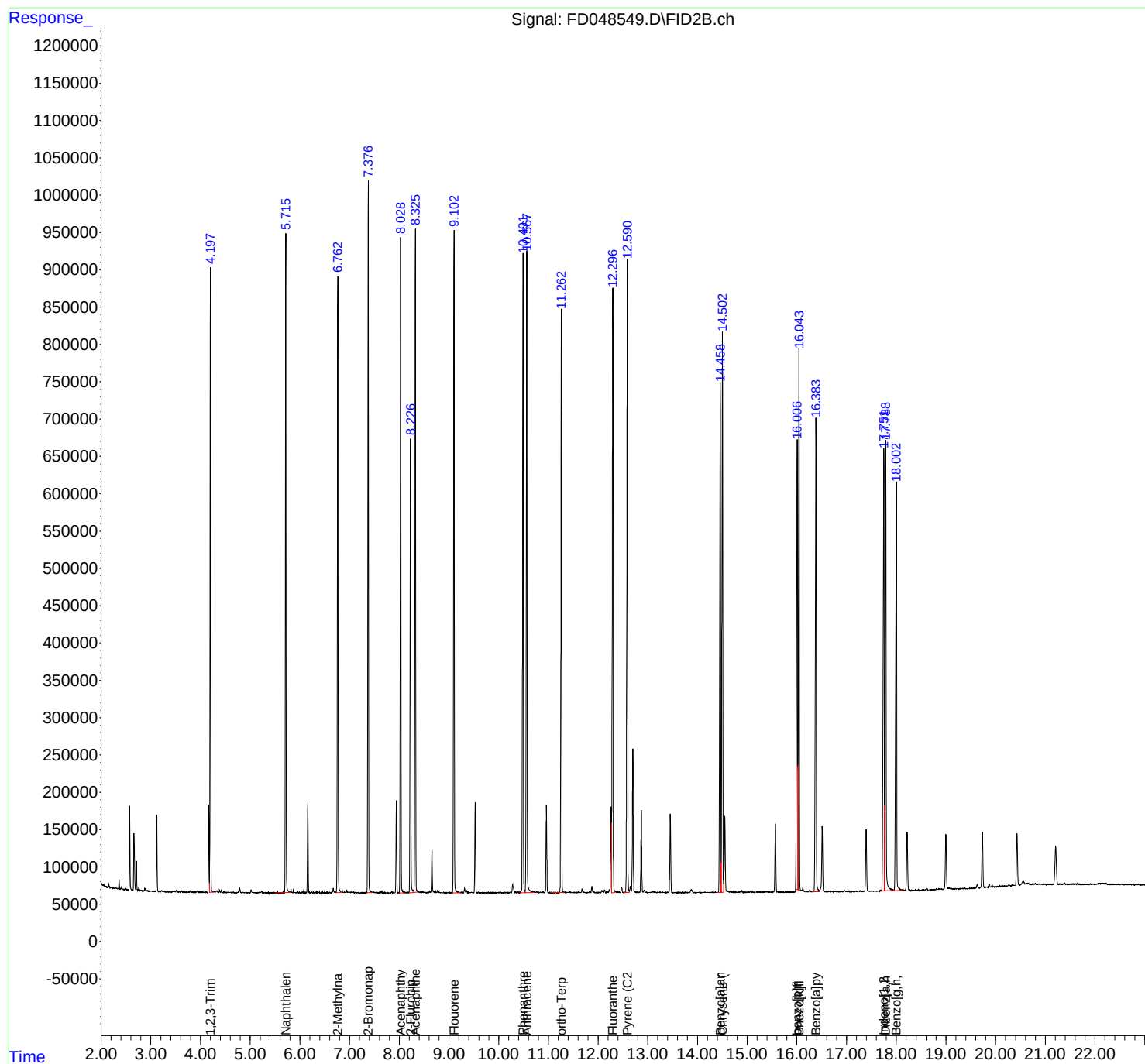
Response via : Initial Calibration

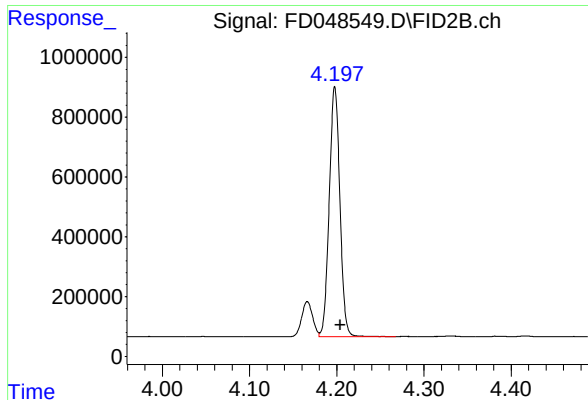
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





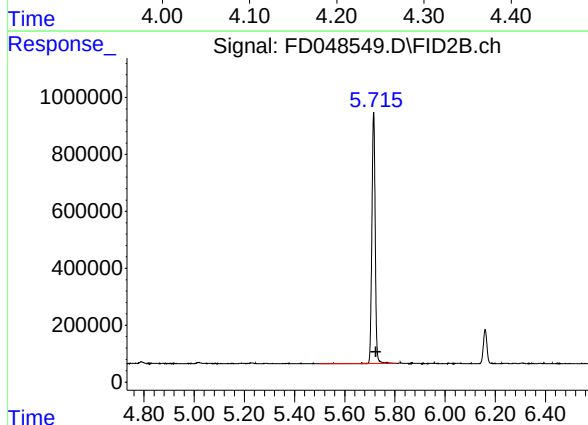
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.198 min
Delta R.T.: -0.006 min
Response: 7084905
Conc: 40.43 ug/ml

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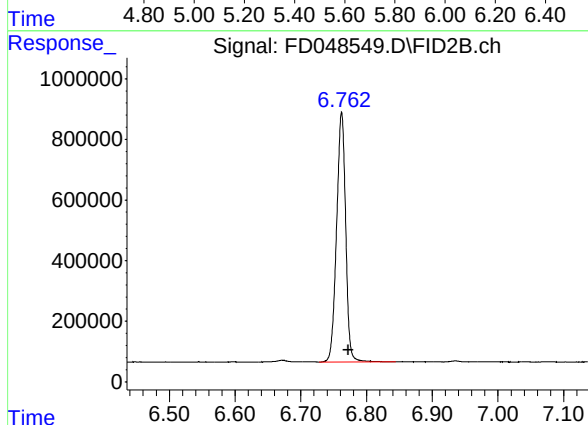
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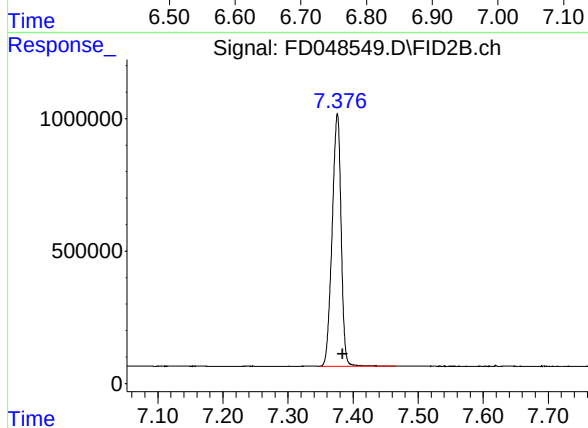
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: -0.009 min
Response: 8079742
Conc: 43.27 ug/ml



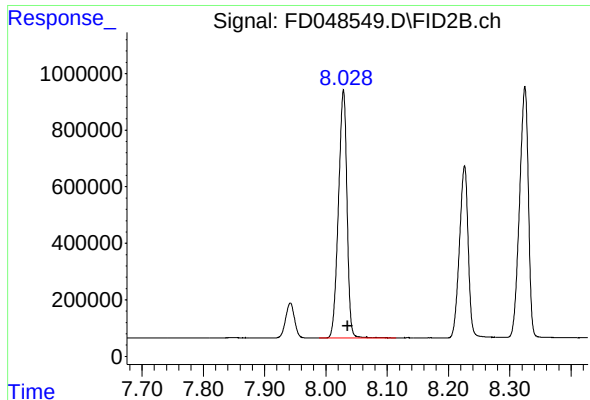
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: -0.010 min
Response: 7936048
Conc: 41.99 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.375 min
Delta R.T.: -0.009 min
Response: 9156141
Conc: 55.30 ug/ml



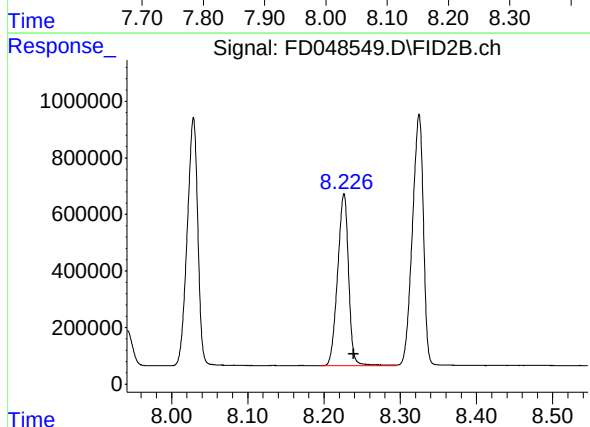
#5 Acenaphthylene (C15.06)

R.T.: 8.028 min
Delta R.T.: -0.007 min
Response: 8489019
Conc: 44.25 ug/ml

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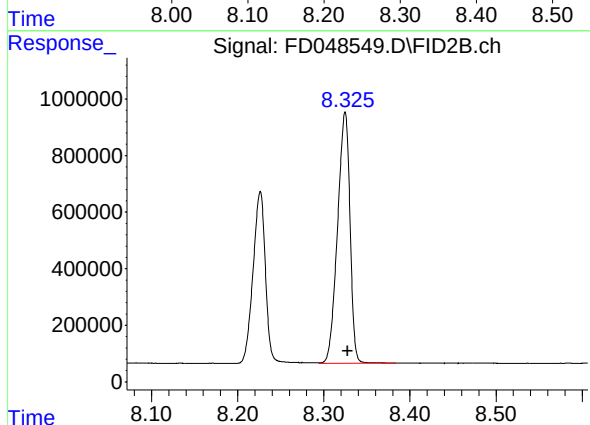
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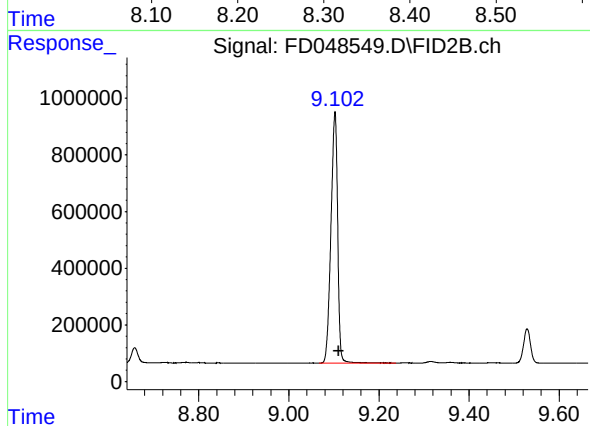
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.226 min
Delta R.T.: -0.013 min
Response: 6092899
Conc: 58.75 ug/ml



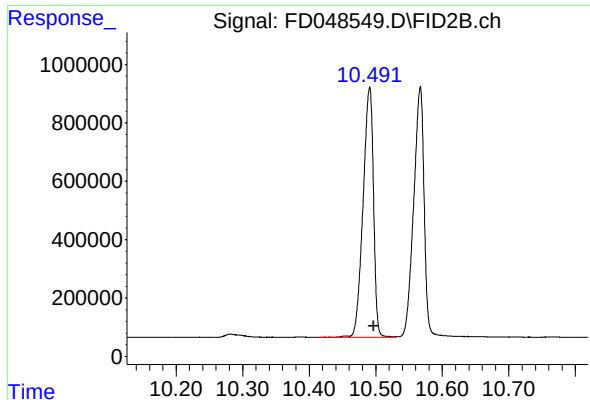
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: -0.003 min
Response: 8910017
Conc: 47.10 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.102 min
Delta R.T.: -0.009 min
Response: 9180269
Conc: 50.81 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.490 min
Delta R.T.: -0.007 min
Response: 9364043
Conc: 52.84 ug/ml

Instrument :

FID_D

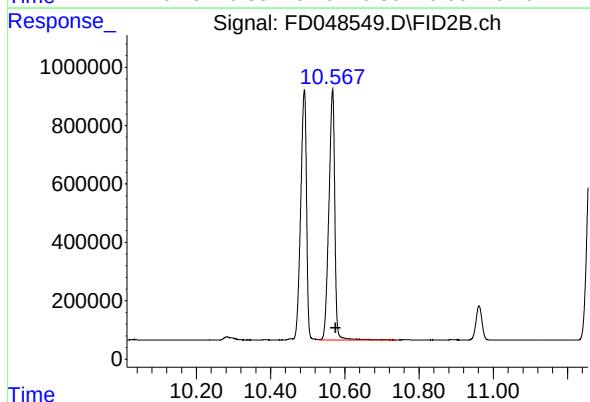
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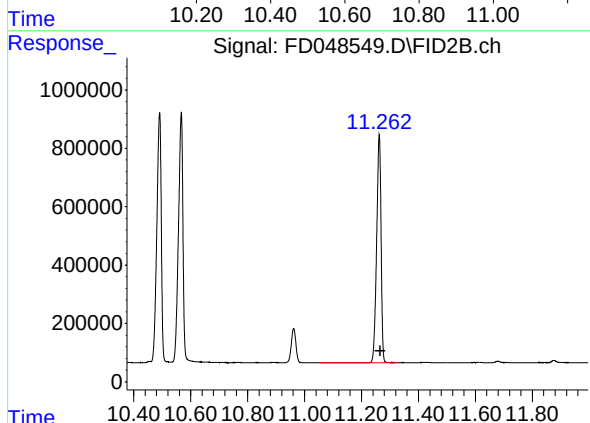
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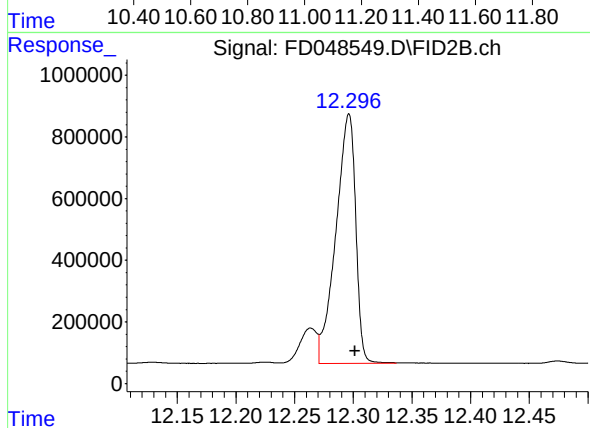
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: -0.009 min
Response: 9496638
Conc: 53.37 ug/ml



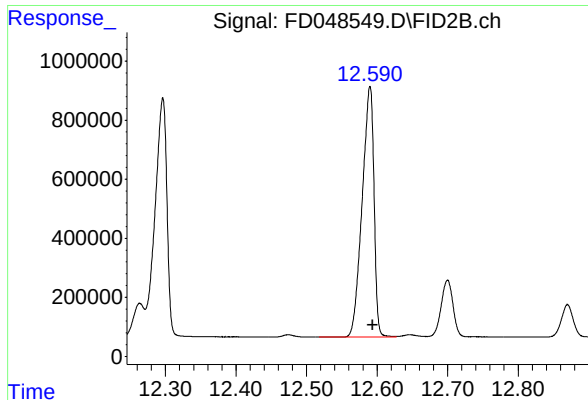
#11 ortho-Terphenyl (SURR)

R.T.: 11.262 min
Delta R.T.: -0.004 min
Response: 8373445
Conc: 45.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.296 min
Delta R.T.: -0.005 min
Response: 9500306
Conc: 52.52 ug/ml m



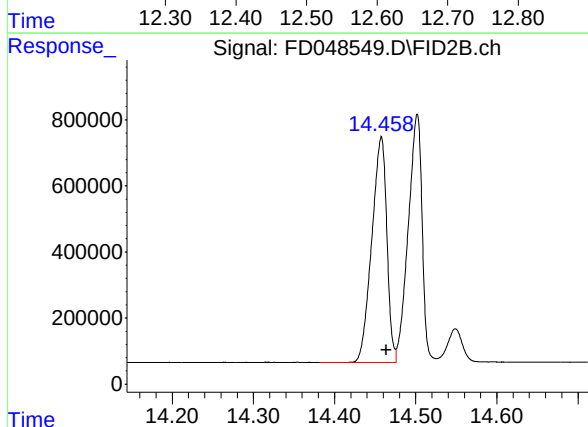
#13 Pyrene (C20.8)

R.T.: 12.589 min
Delta R.T.: -0.004 min
Response: 9898866
Conc: 55.28 ug/ml

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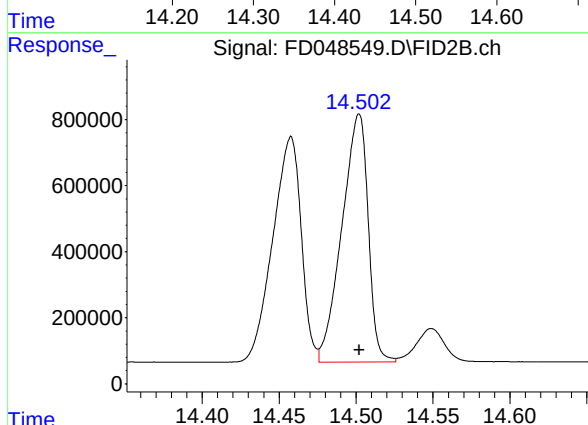
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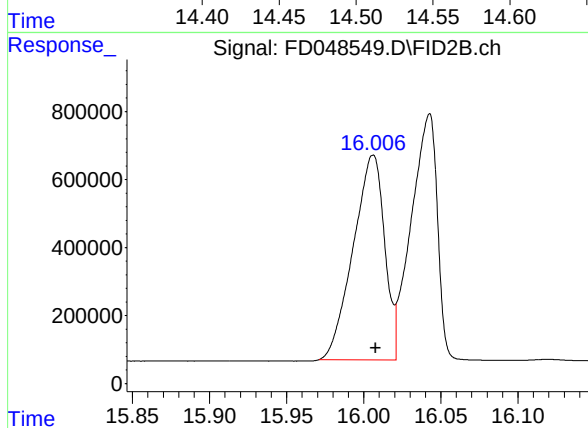
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.457 min
Delta R.T.: -0.007 min
Response: 8783760
Conc: 54.96 ug/ml



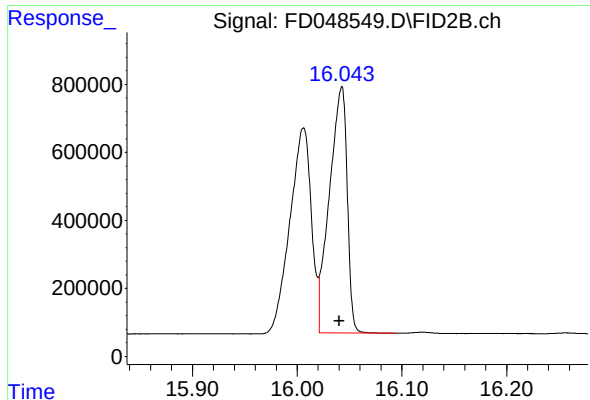
#15 Chrysene (C27.41)

R.T.: 14.501 min
Delta R.T.: 0.000 min
Response: 8916179
Conc: 47.80 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.006 min
Delta R.T.: -0.002 min
Response: 8570622
Conc: 51.46 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.041 min
Delta R.T.: 0.001 min
Response: 8531946
Conc: 50.26 ug/ml

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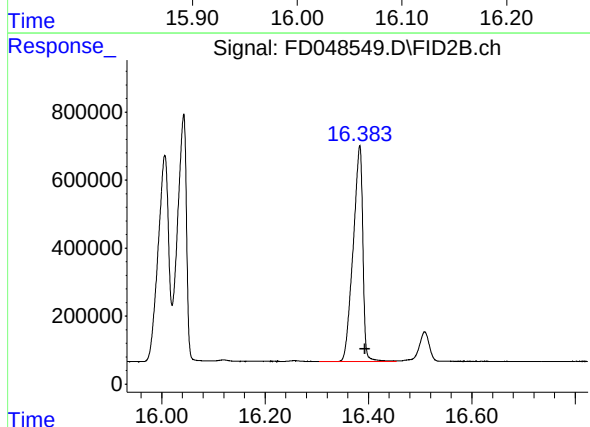
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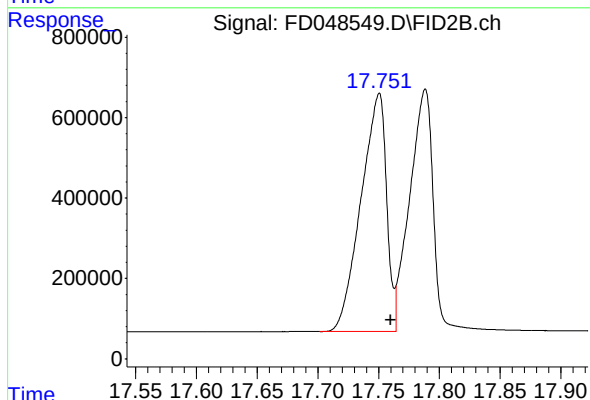
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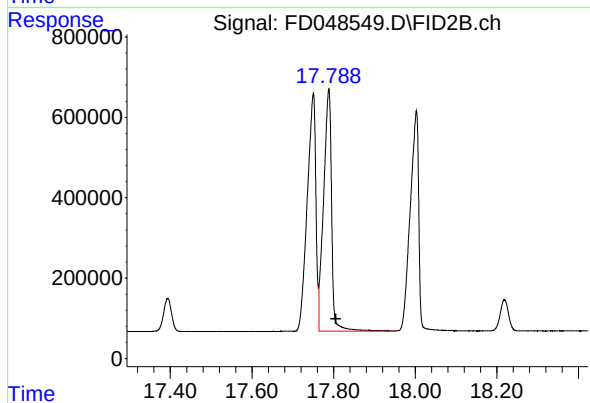
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.382 min
Delta R.T.: -0.011 min
Response: 8266390
Conc: 50.58 ug/ml



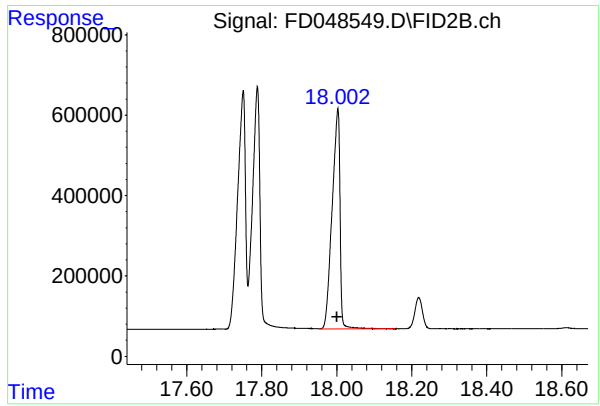
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.750 min
Delta R.T.: -0.010 min
Response: 8684848
Conc: 66.02 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.788 min
Delta R.T.: -0.019 min
Response: 8271453
Conc: 49.43 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.002 min
Delta R.T.: 0.001 min
Response: 7994863
Conc: 49.22 ug/ml

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