

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD123124AR\
 Data File : FD048923.D
 Signal(s) : FID2B.ch
 Acq On : 31 Dec 2024 12:13
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/31/2024
 Supervised By :Ankita Jodhani 01/02/2025

Integration File: autoint1.e
 Quant Time: Dec 31 13:05:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 123124.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 12:22:13 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...	7.359	3280672	20.621 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
6) S 2-Fluorobiphenyl (SURR)	8.210	2093865	21.411 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.82%
11) S ortho-Terphenyl (SURR)	11.243	3781036	20.603 ug/ml
Spiked Amount 50.000		Recovery =	41.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.182	3604895	20.909 ug/ml
2) T Naphthalene (C11.7)	5.700	3784103	20.837 ug/ml
3) T 2-Methylnaphthalene (...)	6.747	3808097	20.657 ug/ml
5) T Acenaphthylene (C15.06)	8.011	3803515	20.675 ug/ml
7) T Acenaphthene (C15.5)	8.305	3888553	20.491 ug/ml
8) T Flouorene (C16.55)	9.084	3724120	20.892 ug/ml
9) T Phenanthrene (C19.36)	10.472	3673824	20.949 ug/ml
10) T Anthracene (C19.43)	10.548	3510921	20.692 ug/ml
12) T Fluoranthene (C21.85)	12.276	3752378	20.763 ug/ml
13) T Pyrene (C20.8)	12.569	3768607	20.963 ug/ml
14) T Benzo[a]anthracene (C...	14.439	3371915	21.402 ug/ml
15) T Chrysene (C27.41)	14.480	3837196	19.864 ug/ml
16) T benzo[b]fluoranthene ...	15.986	3485171	21.076 ug/ml
17) T Bnezo[k]fluoranthene ...	16.017	3594625	19.842 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.364	3442450	20.661 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.728	2777384	20.872 ug/mlm
20) T Dibenz[a,h]anthracene...	17.768	3828969	20.762 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	3412081	20.437 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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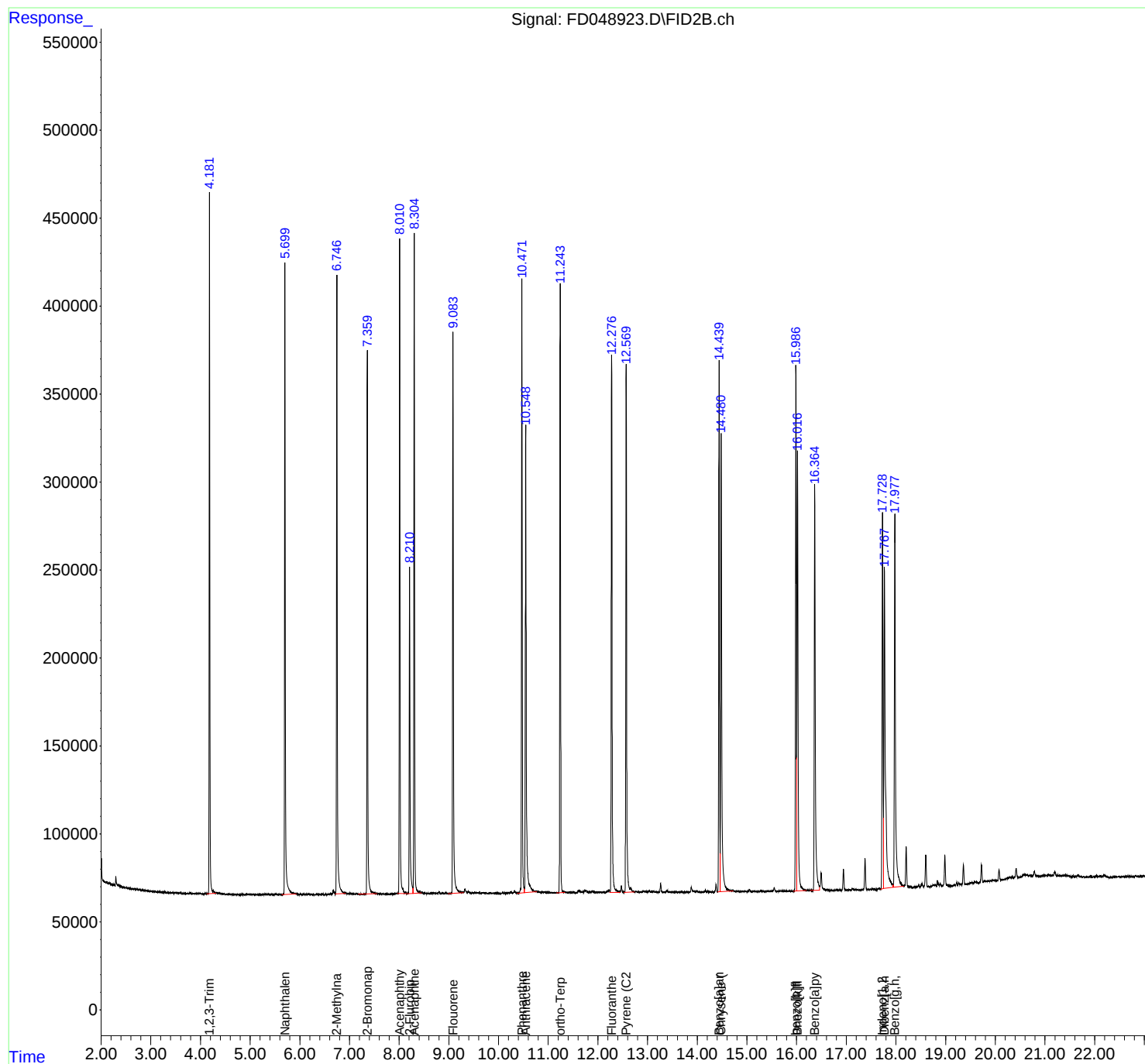
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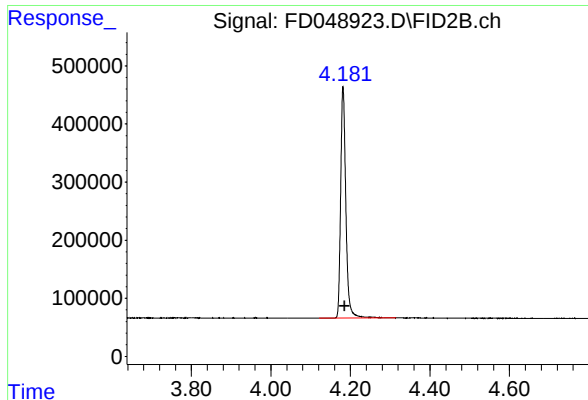
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.182 min
Delta R.T.: -0.004 min
Response: 3604895
Conc: 20.91 ug/ml

Instrument :

FID_D

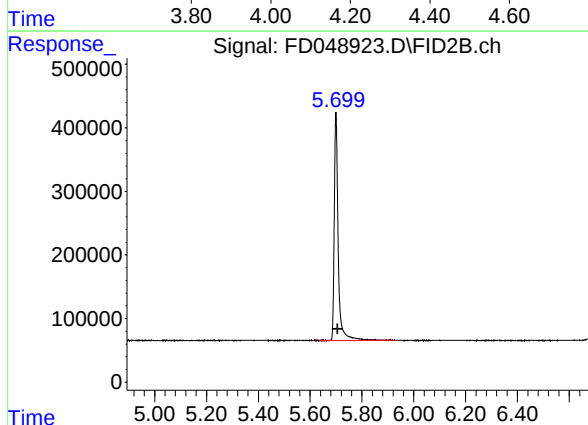
ClientSampleId :

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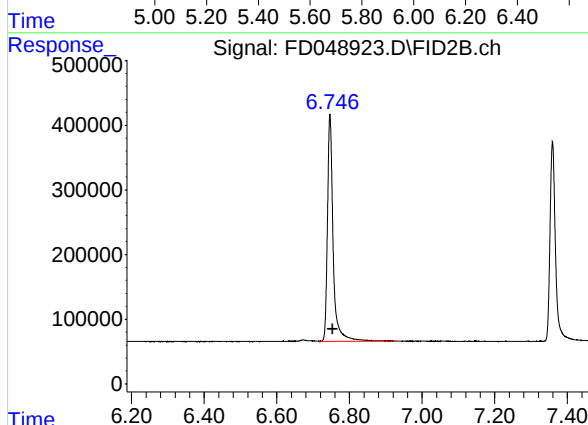
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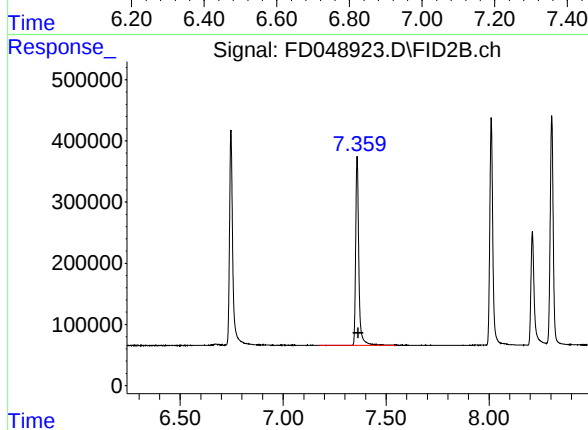
#2 Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: -0.007 min
Response: 3784103
Conc: 20.84 ug/ml



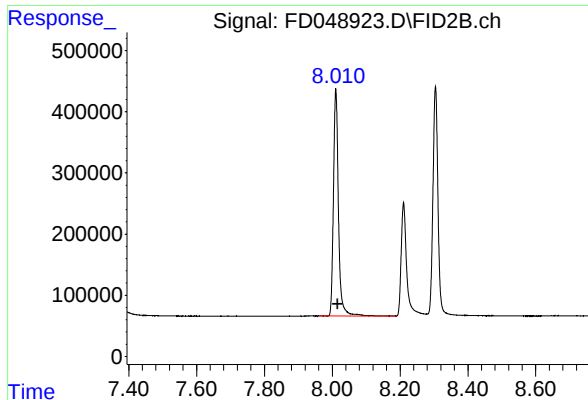
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.747 min
Delta R.T.: -0.007 min
Response: 3808097
Conc: 20.66 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.359 min
Delta R.T.: -0.006 min
Response: 3280672
Conc: 20.62 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.011 min
Delta R.T.: -0.005 min
Response: 3803515
Conc: 20.67 ug/ml

Instrument :

FID_D

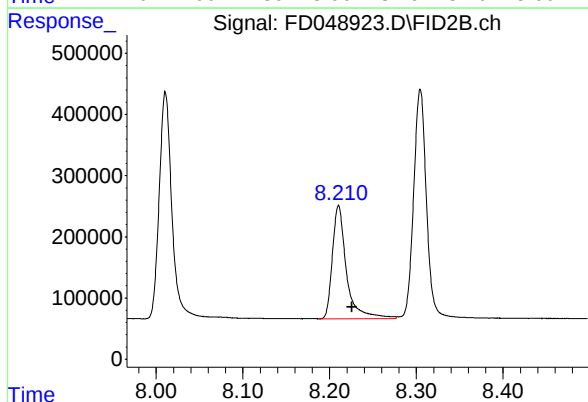
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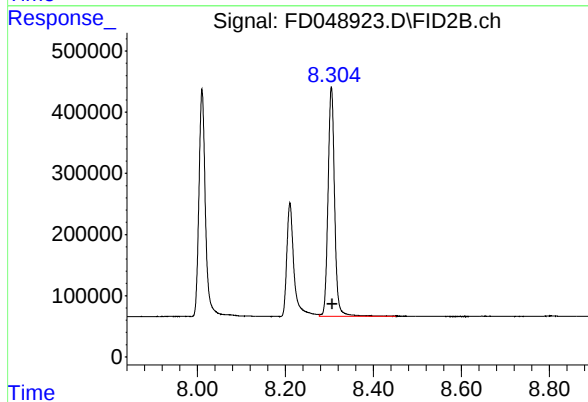
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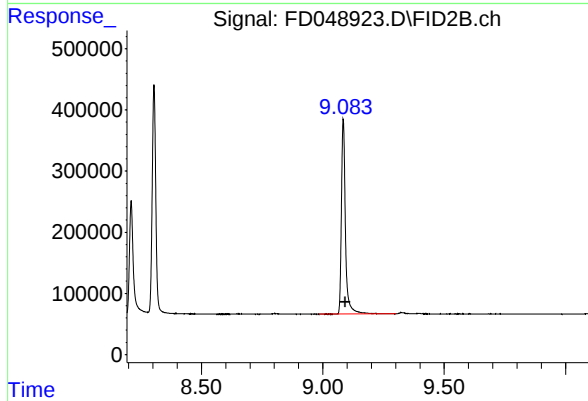
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.210 min
Delta R.T.: -0.015 min
Response: 2093865
Conc: 21.41 ug/ml



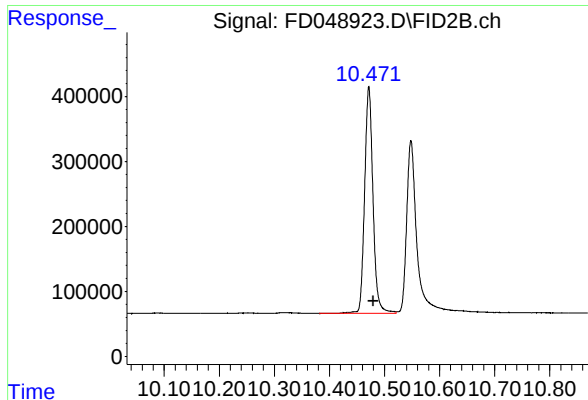
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: -0.002 min
Response: 3888553
Conc: 20.49 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.084 min
Delta R.T.: -0.009 min
Response: 3724120
Conc: 20.89 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.472 min
Delta R.T.: -0.008 min
Response: 3673824
Conc: 20.95 ug/ml

Instrument :

FID_D

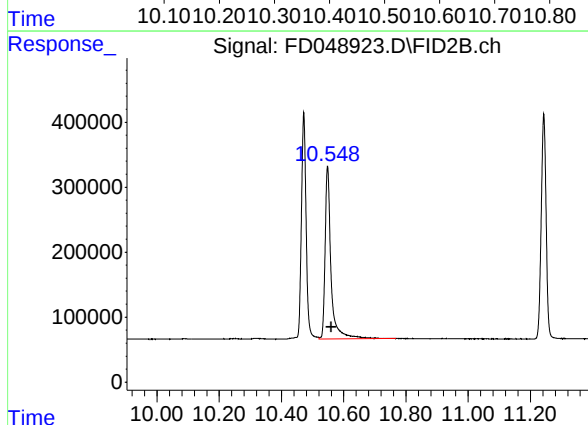
ClientSampleId :

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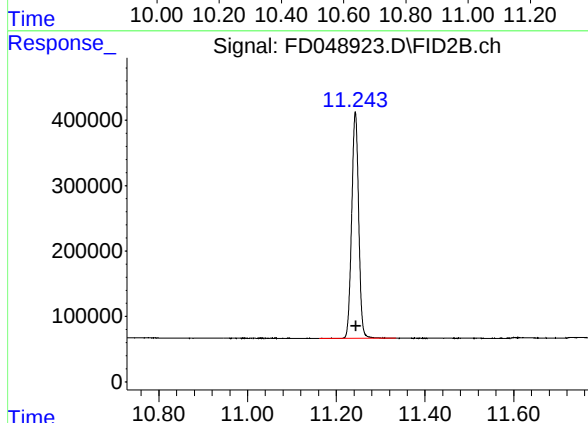
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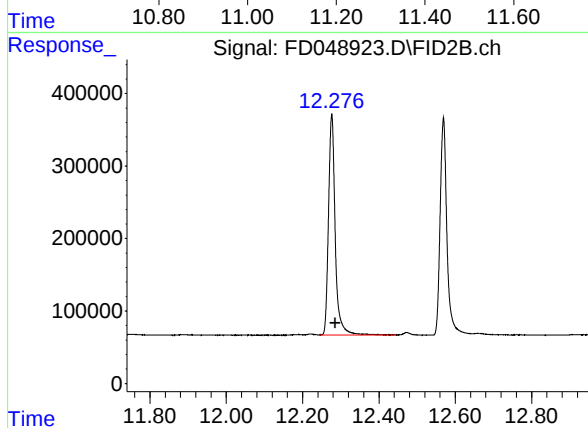
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: -0.012 min
Response: 3510921
Conc: 20.69 ug/ml



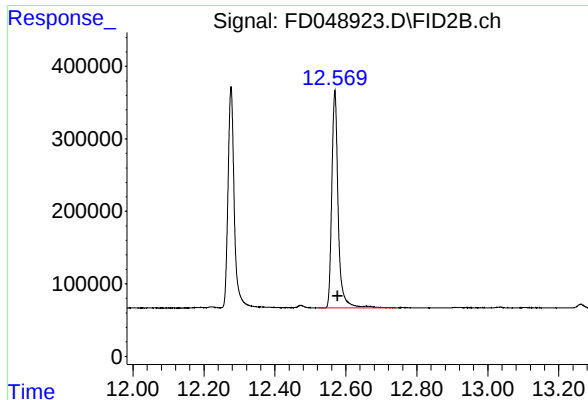
#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.000 min
Response: 3781036
Conc: 20.60 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.276 min
Delta R.T.: -0.009 min
Response: 3752378
Conc: 20.76 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.569 min
Delta R.T.: -0.008 min
Response: 3768607
Conc: 20.96 ug/ml

Instrument :

FID_D

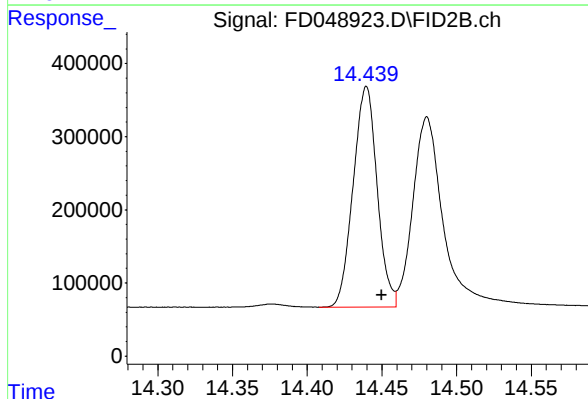
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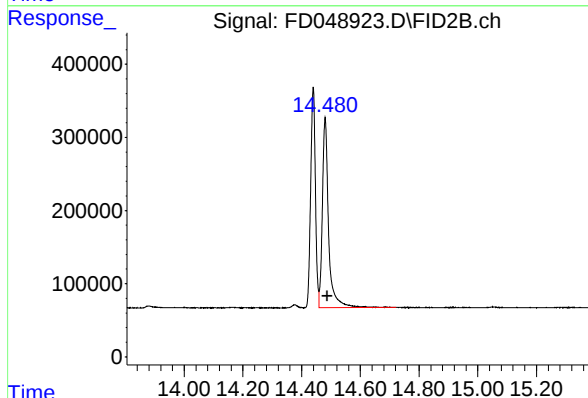
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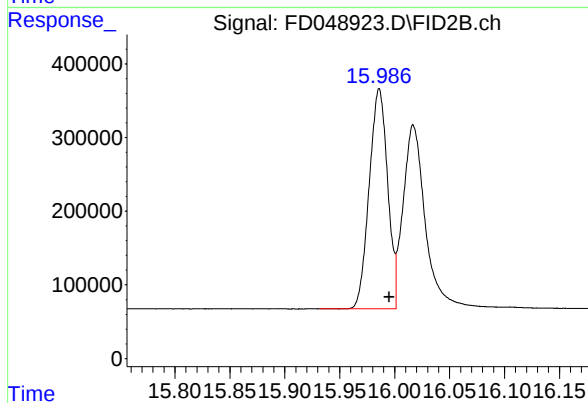
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min
Delta R.T.: -0.011 min
Response: 3371915
Conc: 21.40 ug/ml



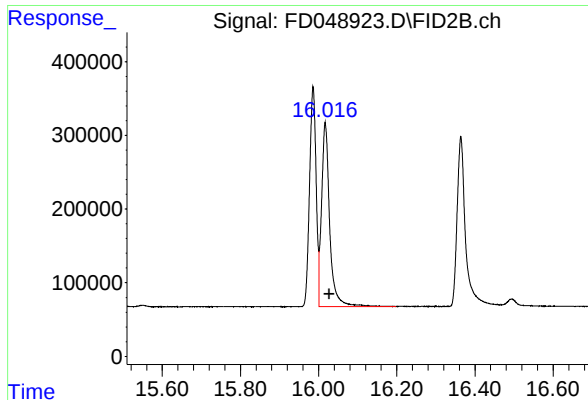
#15 Chrysene (C27.41)

R.T.: 14.480 min
Delta R.T.: -0.008 min
Response: 3837196
Conc: 19.86 ug/ml



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

R.T.: 15.986 min
Delta R.T.: -0.009 min
Response: 3485171
Conc: 21.08 ug/ml



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

R.T.: 16.017 min
Delta R.T.: -0.011 min
Response: 3594625
Conc: 19.84 ug/ml

Instrument :

FID_D

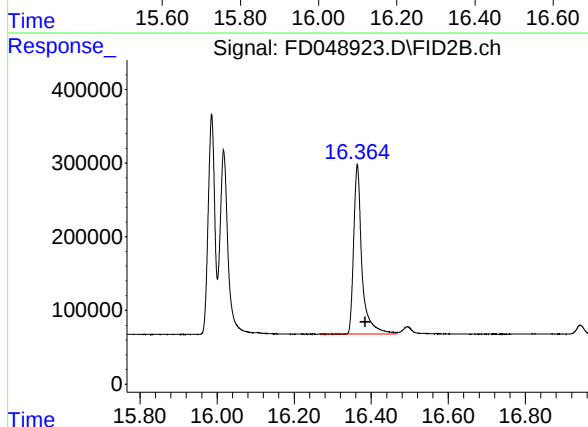
ClientSampleId :

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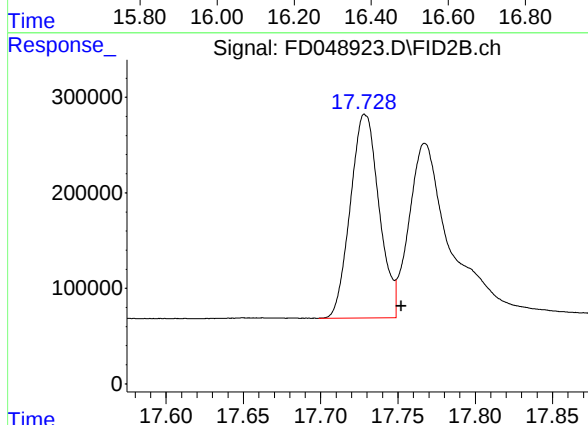
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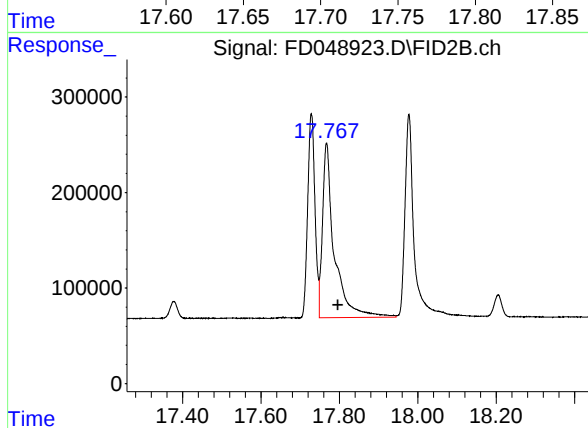
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.364 min
Delta R.T.: -0.021 min
Response: 3442450
Conc: 20.66 ug/ml



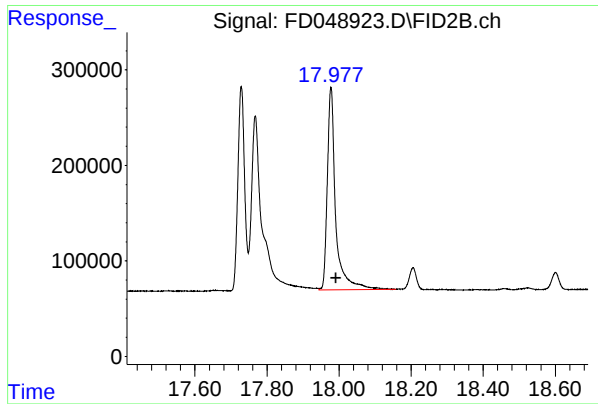
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.728 min
Delta R.T.: -0.024 min
Response: 2777384
Conc: 20.87 ug/ml m



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

R.T.: 17.768 min
Delta R.T.: -0.028 min
Response: 3828969
Conc: 20.76 ug/ml



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

R.T.: 17.977 min
Delta R.T.: -0.015 min
Response: 3412081
Conc: 20.44 ug/ml

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