

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011025AR\
 Data File : FD048928.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jan 2025 09:22
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/13/2025
 Supervised By :Ankita Jodhani 01/13/2025

Integration File: autoint1.e
 Quant Time: Jan 10 23:14:04 2025
 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...	7.358	3372514	21.198 ug/ml
Spiked Amount 50.000		Recovery =	42.40%
6) S 2-Fluorobiphenyl (SURR)	8.209	2184115	22.334 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.67%
11) S ortho-Terphenyl (SURR)	11.241	3987746	21.729 ug/mlm
Spiked Amount 50.000		Recovery =	43.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.181	3673908	21.309 ug/ml
2) T Naphthalene (C11.7)	5.699	3892443	21.434 ug/ml
3) T 2-Methylnaphthalene (...)	6.745	3939841	21.372 ug/ml
5) T Acenaphthylene (C15.06)	8.010	3890401	21.147 ug/ml
7) T Acenaphthene (C15.5)	8.304	4040520	21.292 ug/ml
8) T Fluorene (C16.55)	9.084	3868225	21.700 ug/ml
9) T Phenanthrene (C19.36)	10.470	3839691	21.895 ug/ml
10) T Anthracene (C19.43)	10.547	2952997	17.404 ug/ml
12) T Fluoranthene (C21.85)	12.275	3928863	21.740 ug/mlm
13) T Pyrene (C20.8)	12.568	3841441	21.368 ug/ml
14) T Benzo[a]anthracene (C...	14.437	3440665	21.839 ug/ml
15) T Chrysene (C27.41)	14.479	4005528	20.736 ug/ml
16) T benzo[b]fluoranthene ...	15.985	3660558	22.137 ug/ml
17) T Bnezo[k]fluoranthene ...	16.016	3555781	19.628 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	3401763	20.417 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.728	2885694	21.686 ug/mlm
20) T Dibenz[a,h]anthracene...	17.766	3953930	21.439 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	3519354	21.080 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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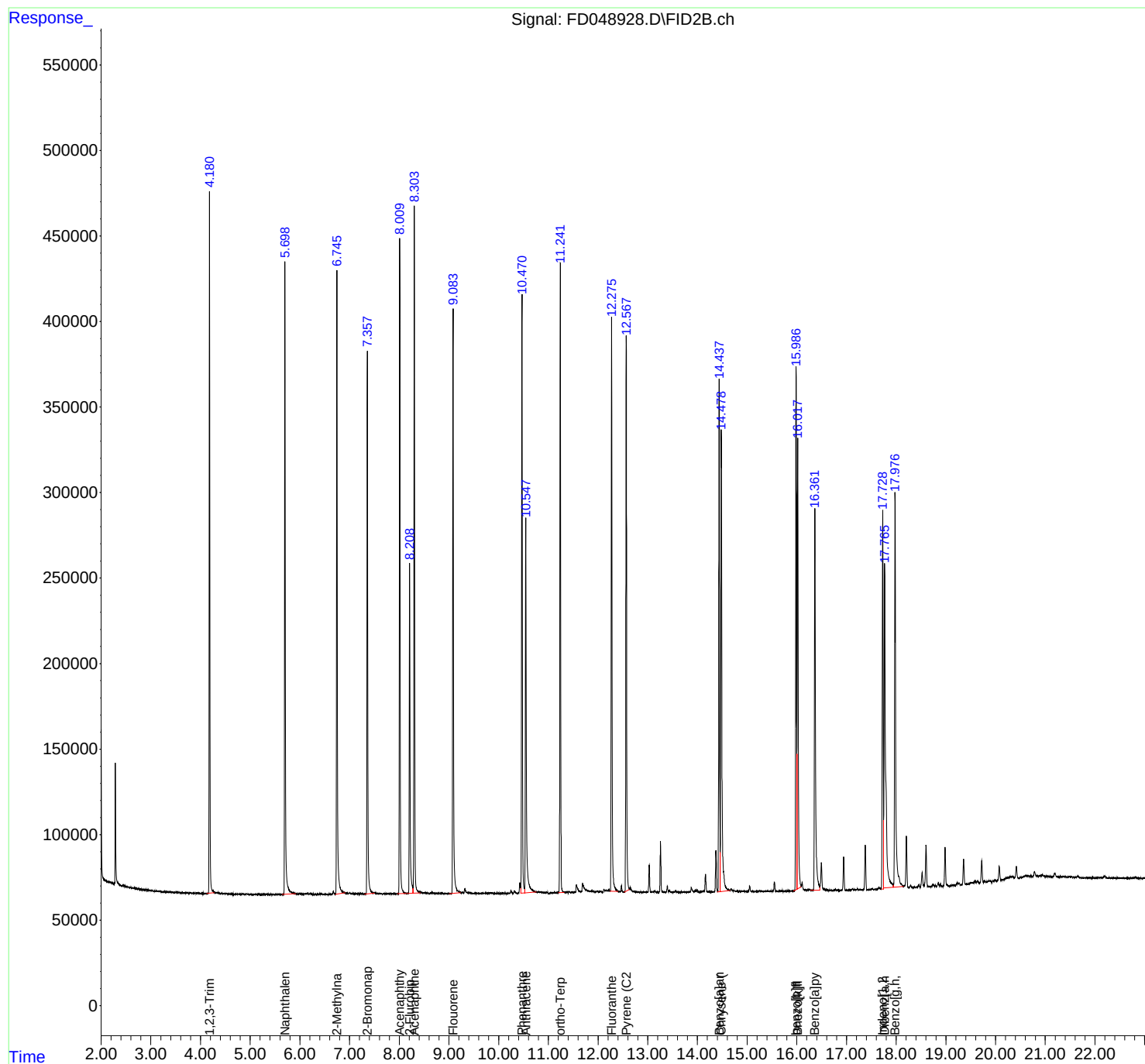
Instrument :
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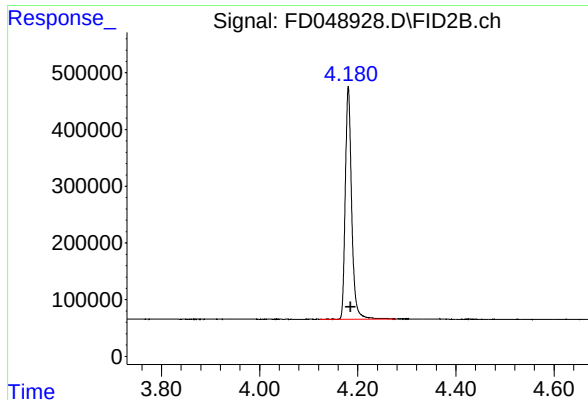
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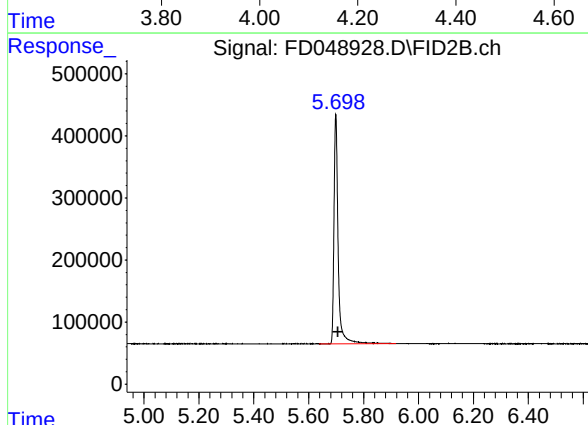
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.181 min
Delta R.T.: -0.005 min
Response: 3673908
Conc: 21.31 ug/ml

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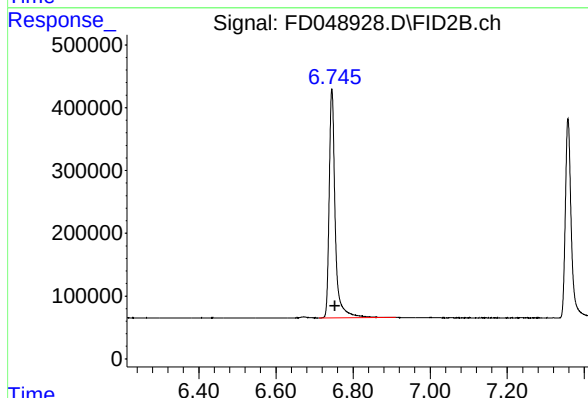
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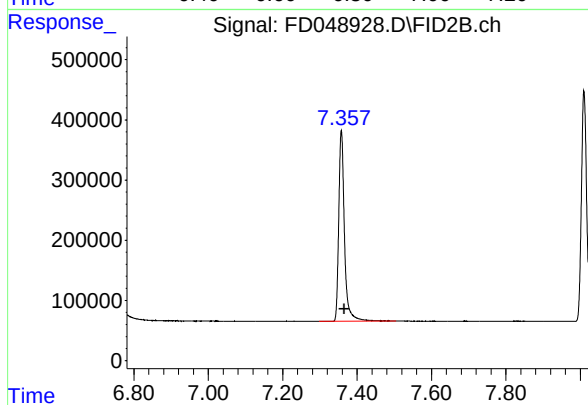
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: -0.008 min
Response: 3892443
Conc: 21.43 ug/ml



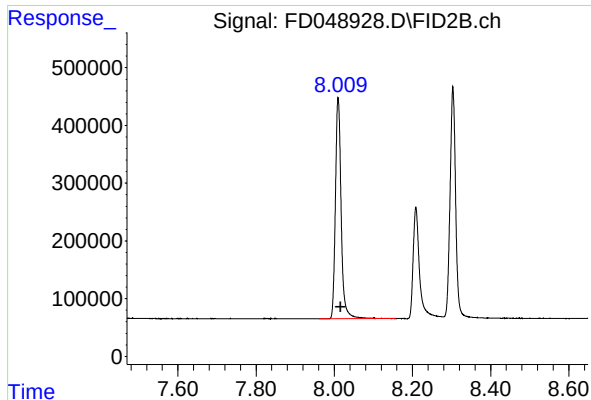
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: -0.008 min
Response: 3939841
Conc: 21.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: -0.008 min
Response: 3372514
Conc: 21.20 ug/ml



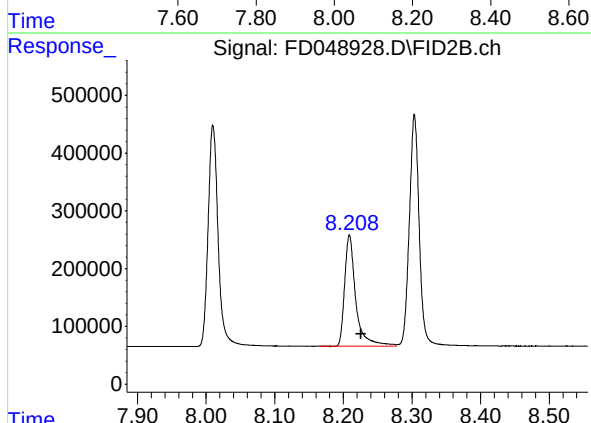
#5 Acenaphthylene (C15.06)

R.T.: 8.010 min
Delta R.T.: -0.005 min
Response: 3890401
Conc: 21.15 ug/ml

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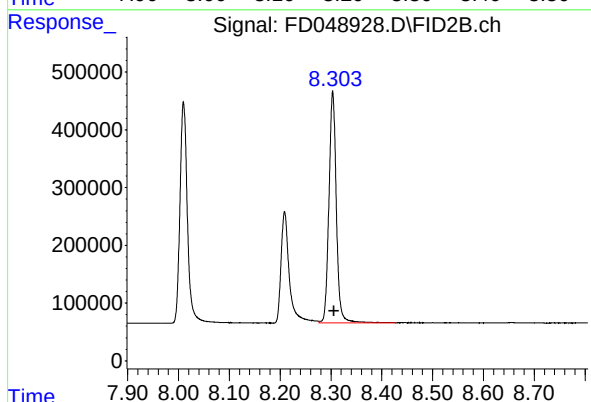
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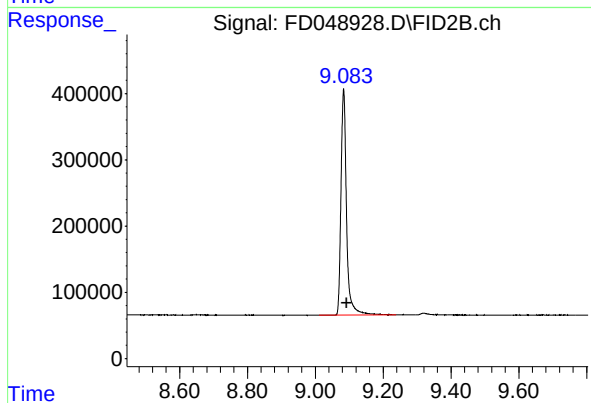
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: -0.017 min
Response: 2184115
Conc: 22.33 ug/ml



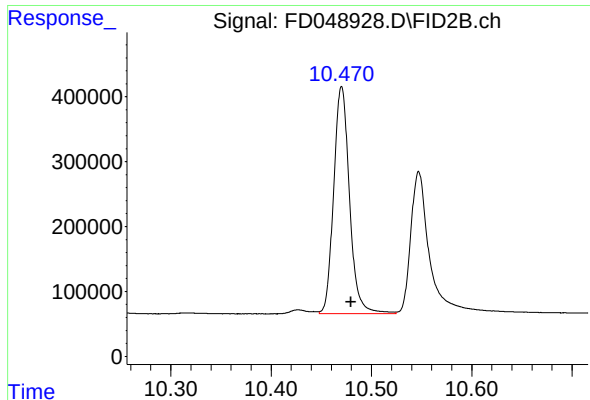
#7 Acenaphthene (C15.5)

R.T.: 8.304 min
Delta R.T.: -0.003 min
Response: 4040520
Conc: 21.29 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.084 min
Delta R.T.: -0.009 min
Response: 3868225
Conc: 21.70 ug/ml



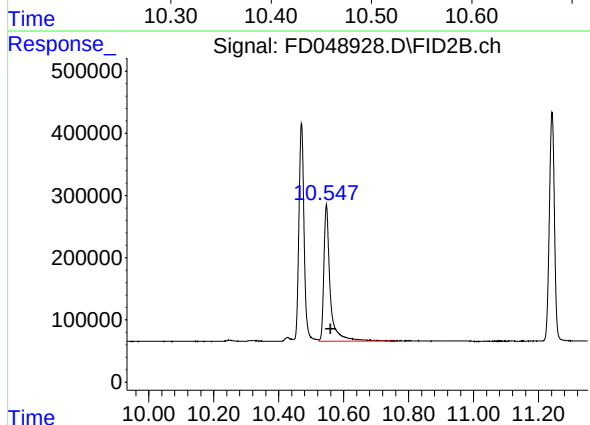
#9 Phenanthrene (C19.36)

R.T.: 10.470 min
Delta R.T.: -0.009 min
Response: 3839691
Conc: 21.90 ug/ml

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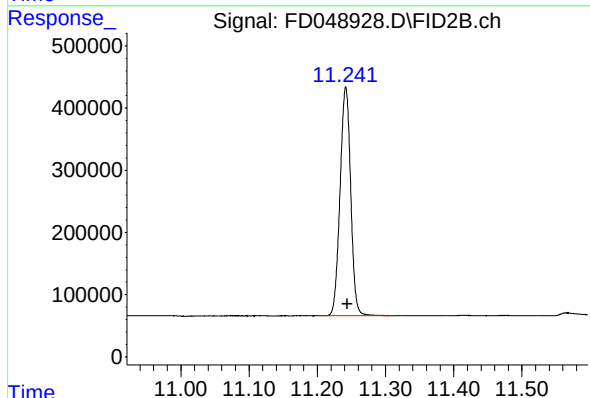
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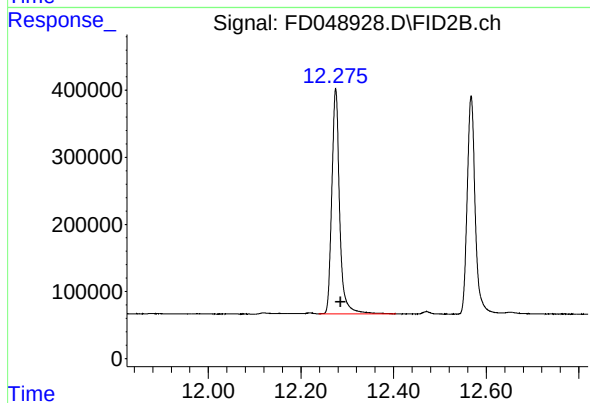
#10 Anthracene (C19.43)

R.T.: 10.547 min
Delta R.T.: -0.013 min
Response: 2952997
Conc: 17.40 ug/ml



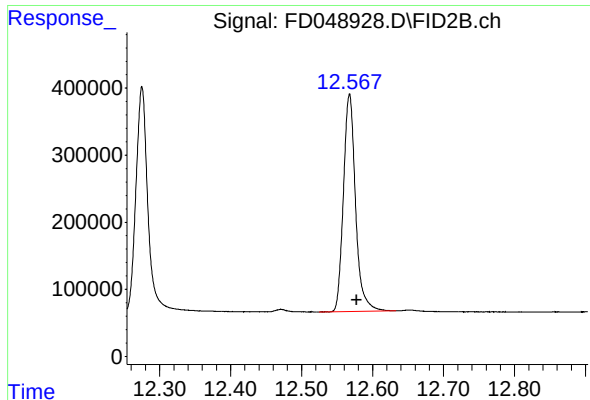
#11 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: -0.003 min
Response: 3987746
Conc: 21.73 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.275 min
Delta R.T.: -0.011 min
Response: 3928863
Conc: 21.74 ug/ml m



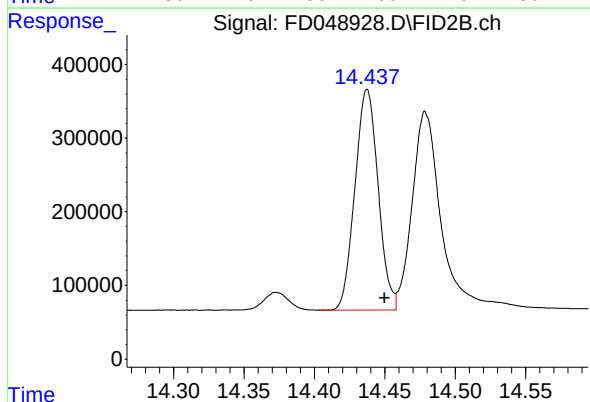
#13 Pyrene (C20.8)

R.T.: 12.568 min
Delta R.T.: -0.010 min
Response: 3841441
Conc: 21.37 ug/ml

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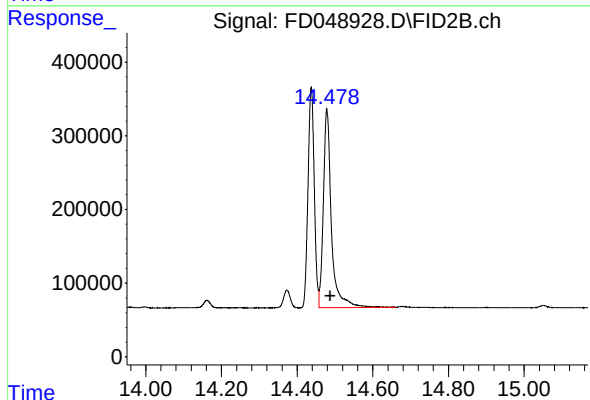
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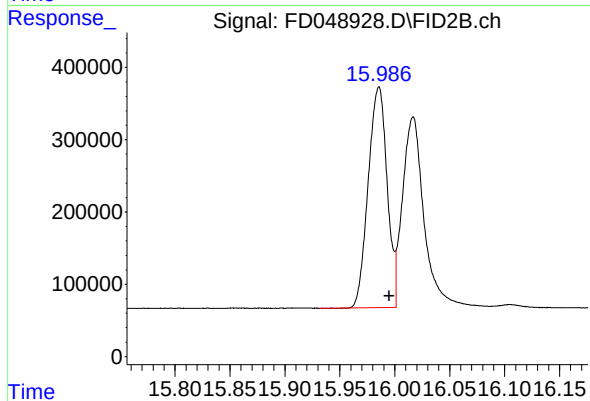
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.437 min
Delta R.T.: -0.012 min
Response: 3440665
Conc: 21.84 ug/ml



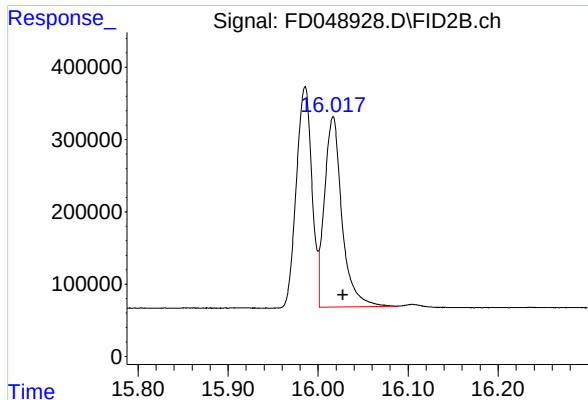
#15 Chrysene (C27.41)

R.T.: 14.479 min
Delta R.T.: -0.009 min
Response: 4005528
Conc: 20.74 ug/ml



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

R.T.: 15.985 min
Delta R.T.: -0.010 min
Response: 3660558
Conc: 22.14 ug/ml



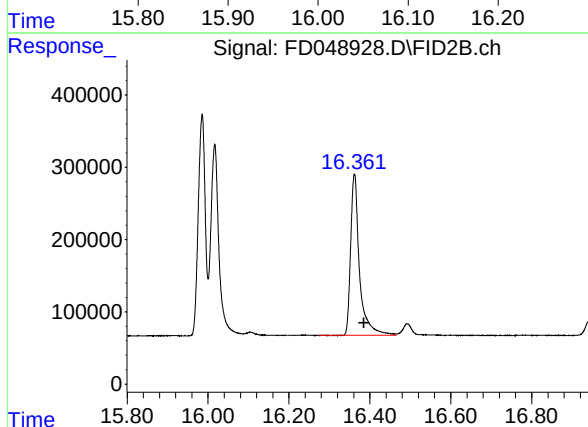
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.016 min
Delta R.T.: -0.011 min
Response: 3555781
Conc: 19.63 ug/ml

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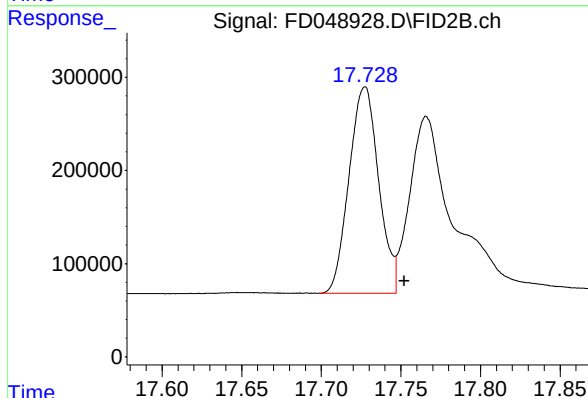
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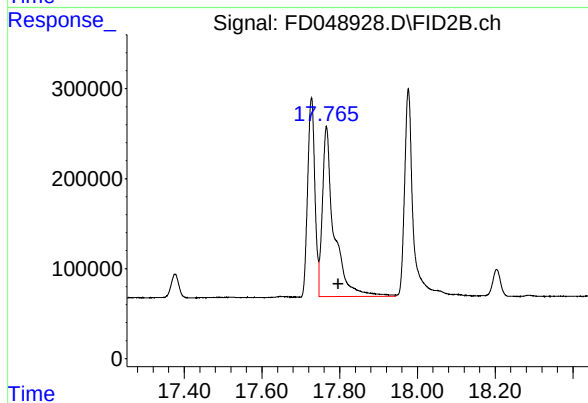
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: -0.023 min
Response: 3401763
Conc: 20.42 ug/ml



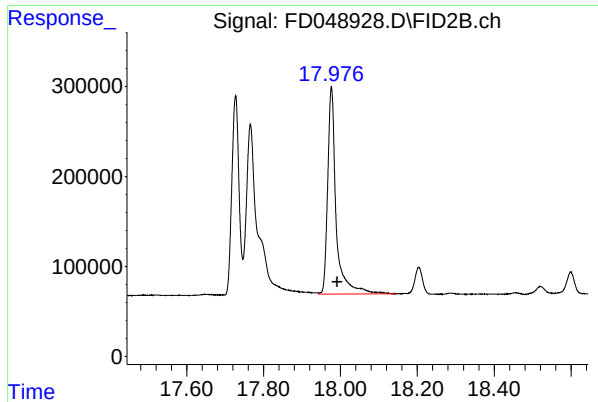
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.728 min
Delta R.T.: -0.024 min
Response: 2885694
Conc: 21.69 ug/ml m



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

R.T.: 17.766 min
Delta R.T.: -0.030 min
Response: 3953930
Conc: 21.44 ug/ml



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

R.T.: 17.977 min
Delta R.T.: -0.016 min
Response: 3519354
Conc: 21.08 ug/ml

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