

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011025AR\
 Data File : FD048935.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jan 2025 14:44
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 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 23:17:15 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	3579922	22.502 ug/ml
Spiked Amount 50.000		Recovery =	45.00%
6) S 2-Fluorobiphenyl (SURR)	8.209	2328115	23.807 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.61%
11) S ortho-Terphenyl (SURR)	11.242	4065986	22.155 ug/ml
Spiked Amount 50.000		Recovery =	44.31%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.181	3864014	22.412 ug/ml
2) T Naphthalene (C11.7)	5.699	4006333	22.061 ug/ml
3) T 2-Methylnaphthalene (...)	6.746	3953326	21.445 ug/ml
5) T Acenaphthylene (C15.06)	8.011	4055294	22.043 ug/ml
7) T Acenaphthene (C15.5)	8.304	4094080	21.574 ug/ml
8) T Fluorene (C16.55)	9.083	4015225	22.525 ug/ml
9) T Phenanthrene (C19.36)	10.471	3880095	22.125 ug/mlm
10) T Anthracene (C19.43)	10.548	3445445	20.306 ug/ml
12) T Fluoranthene (C21.85)	12.275	3985417	22.053 ug/ml
13) T Pyrene (C20.8)	12.568	3911747	21.759 ug/ml
14) T Benzo[a]anthracene (C...	14.439	3587580	22.771 ug/ml
15) T Chrysene (C27.41)	14.480	4008212	20.750 ug/ml
16) T benzo[b]fluoranthene ...	15.986	3655838	22.109 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.016	3745035	20.673 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.363	3495049	20.977 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.727	2931450	22.030 ug/mlm
20) T Dibenz[a,h]anthracene...	17.768	3986425	21.616 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	3546248	21.241 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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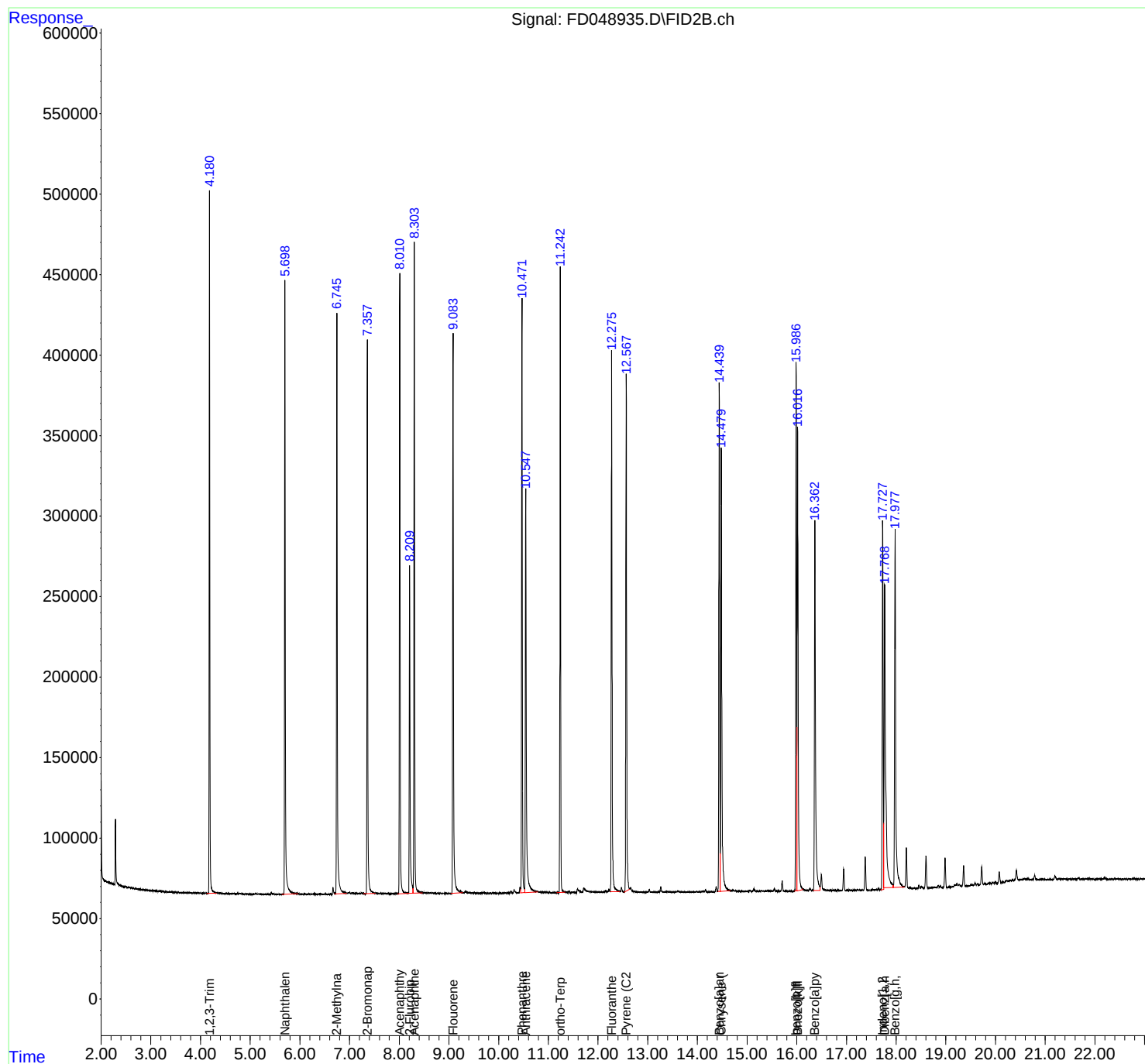
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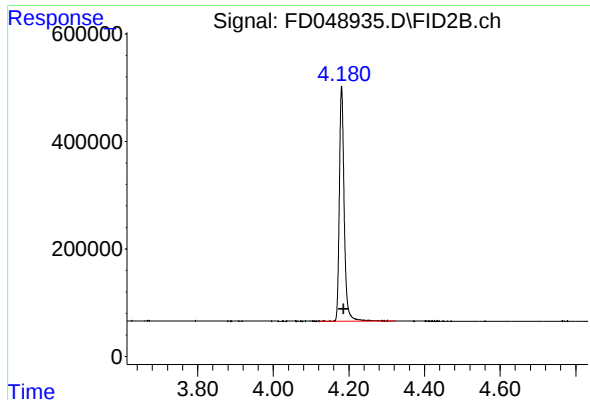
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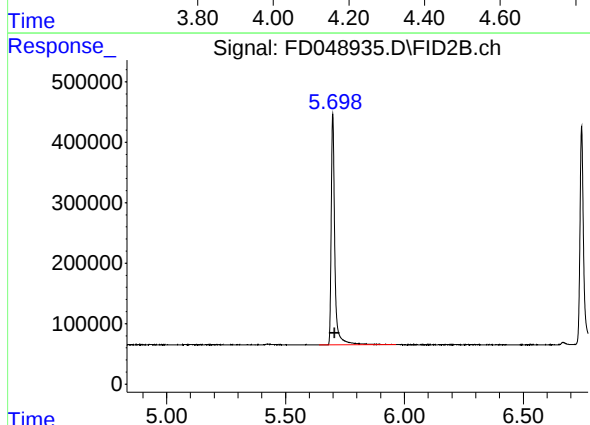
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.181 min
Delta R.T.: -0.005 min
Response: 3864014
Conc: 22.41 ug/ml

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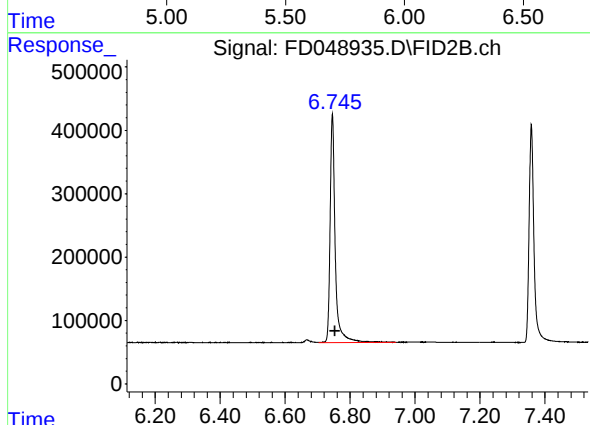
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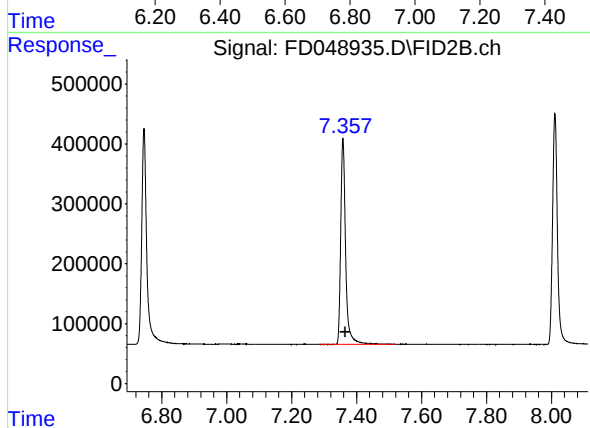
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: -0.008 min
Response: 4006333
Conc: 22.06 ug/ml



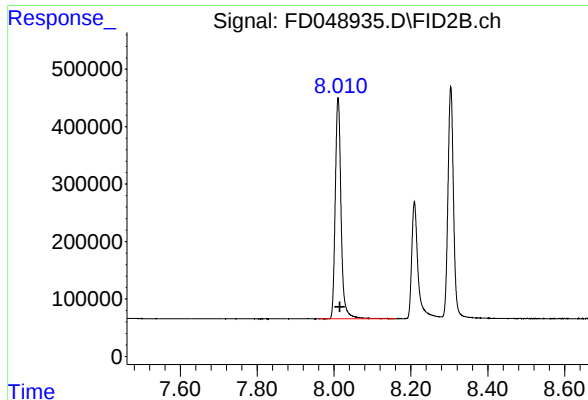
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.746 min
Delta R.T.: -0.008 min
Response: 3953326
Conc: 21.44 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: -0.007 min
Response: 3579922
Conc: 22.50 ug/ml



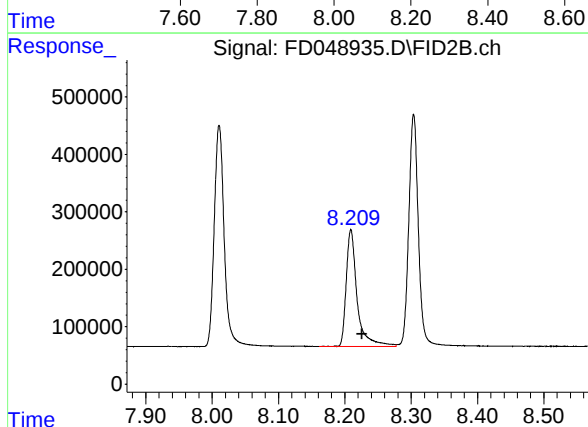
#5 Acenaphthylene (C15.06)

R.T.: 8.011 min
Delta R.T.: -0.005 min
Response: 4055294
Conc: 22.04 ug/ml

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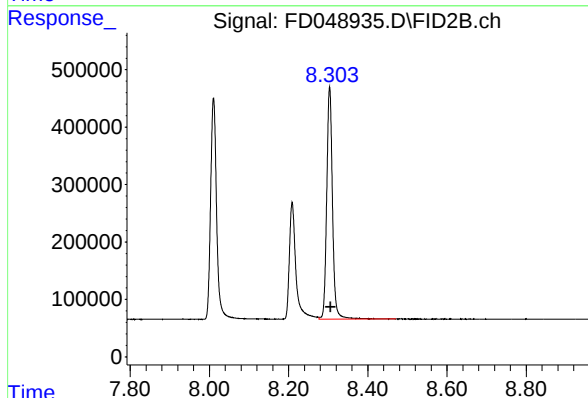
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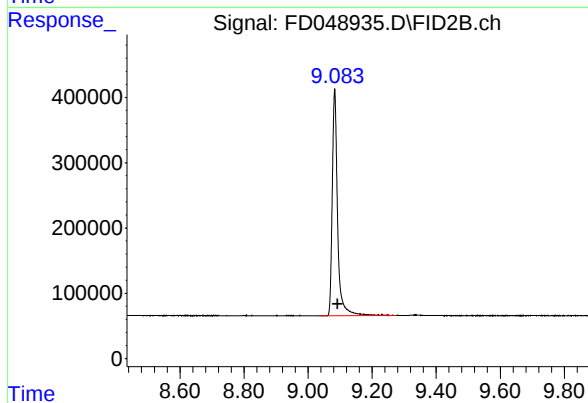
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: -0.016 min
Response: 2328115
Conc: 23.81 ug/ml



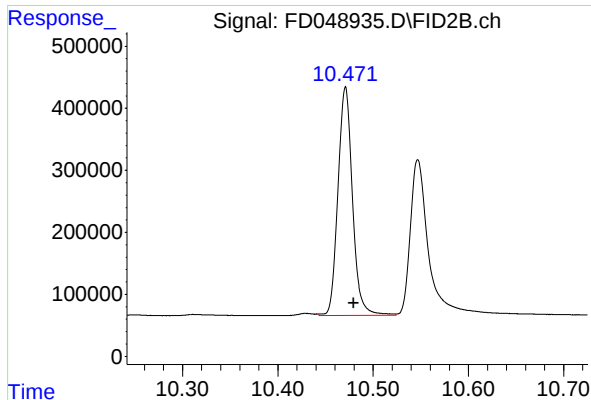
#7 Acenaphthene (C15.5)

R.T.: 8.304 min
Delta R.T.: -0.003 min
Response: 4094080
Conc: 21.57 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.083 min
Delta R.T.: -0.009 min
Response: 4015225
Conc: 22.52 ug/ml



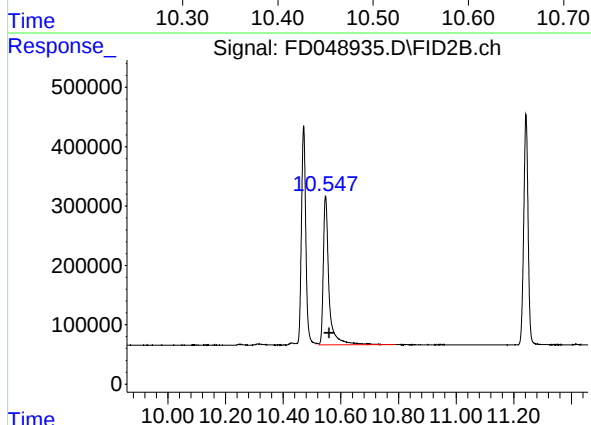
#9 Phenanthrene (C19.36)

R.T.: 10.471 min
Delta R.T.: -0.009 min
Response: 3880095
Conc: 22.13 ug/ml

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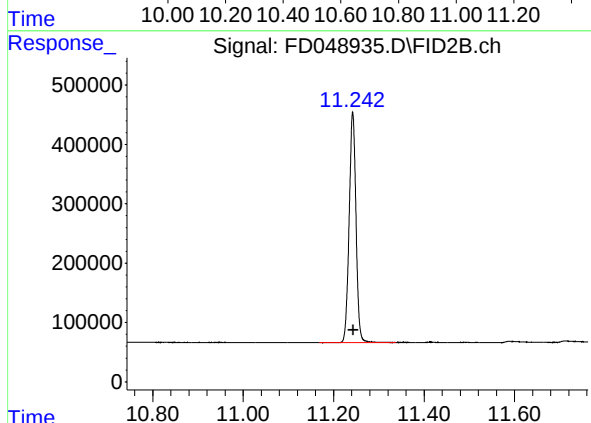
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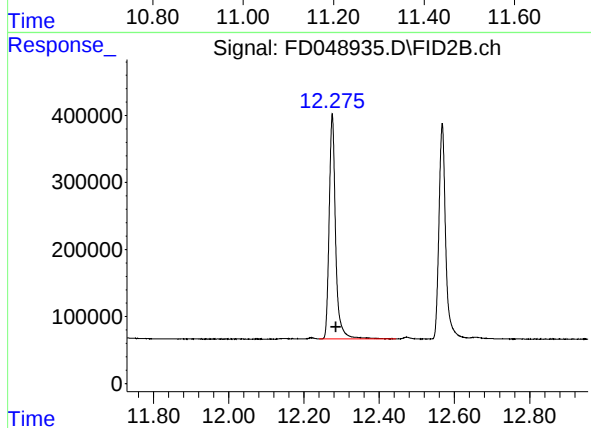
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: -0.013 min
Response: 3445445
Conc: 20.31 ug/ml



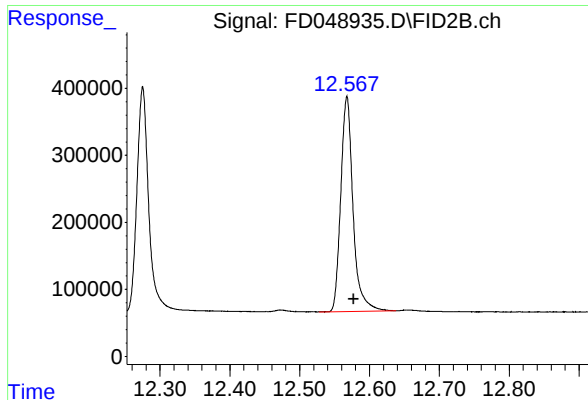
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: -0.002 min
Response: 4065986
Conc: 22.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.275 min
Delta R.T.: -0.010 min
Response: 3985417
Conc: 22.05 ug/ml



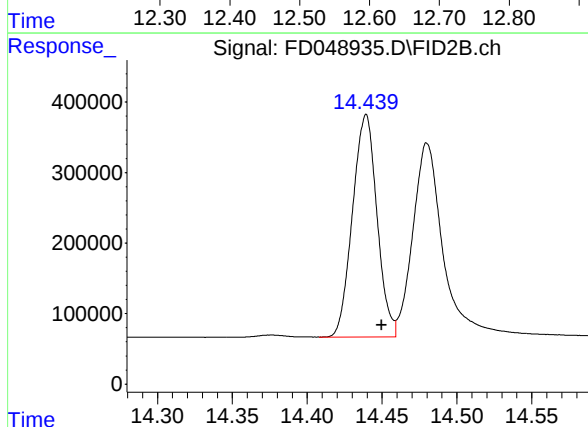
#13 Pyrene (C20.8)

R.T.: 12.568 min
Delta R.T.: -0.010 min
Response: 3911747
Conc: 21.76 ug/ml

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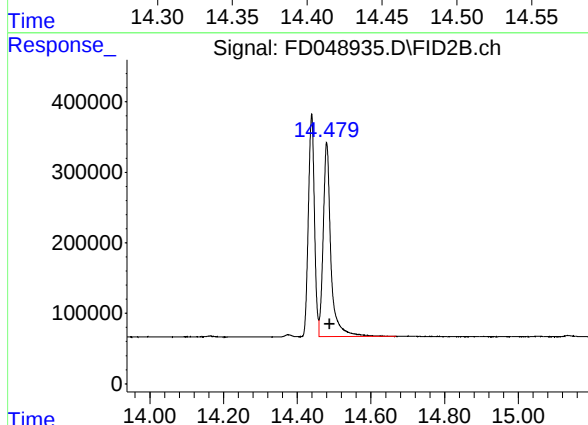
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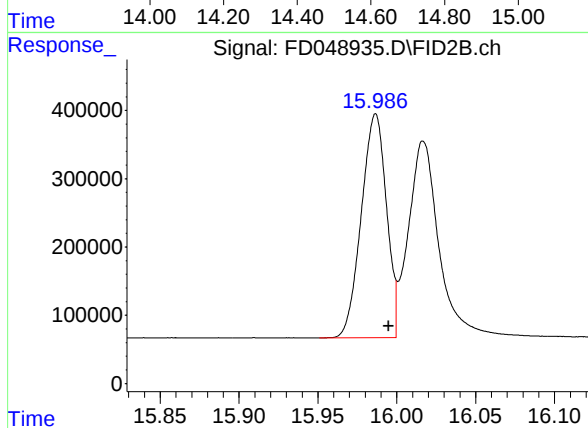
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min
Delta R.T.: -0.011 min
Response: 3587580
Conc: 22.77 ug/ml



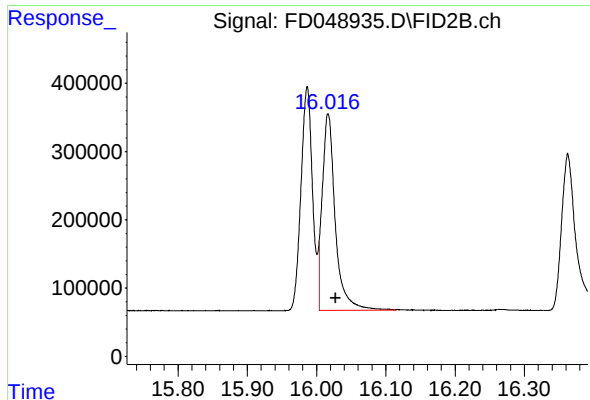
#15 Chrysene (C27.41)

R.T.: 14.480 min
Delta R.T.: -0.008 min
Response: 4008212
Conc: 20.75 ug/ml



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

R.T.: 15.986 min
Delta R.T.: -0.009 min
Response: 3655838
Conc: 22.11 ug/ml m



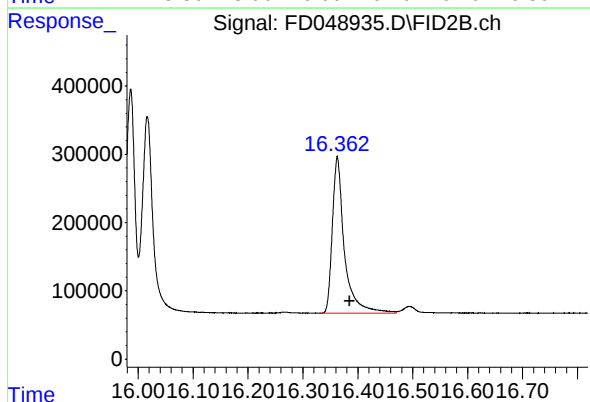
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.016 min
Delta R.T.: -0.012 min
Response: 3745035
Conc: 20.67 ug/ml

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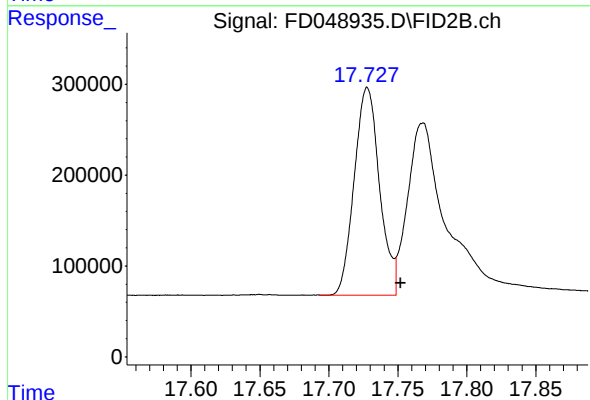
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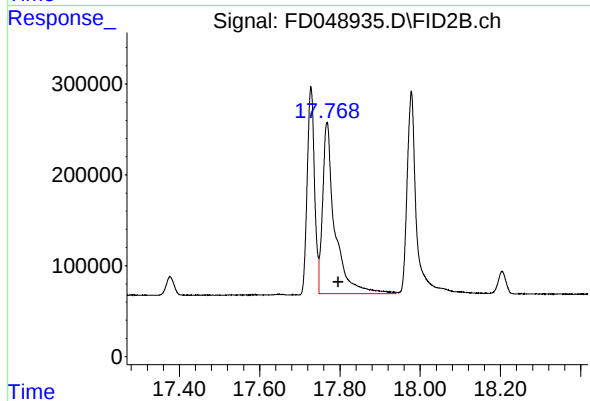
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min
Delta R.T.: -0.022 min
Response: 3495049
Conc: 20.98 ug/ml



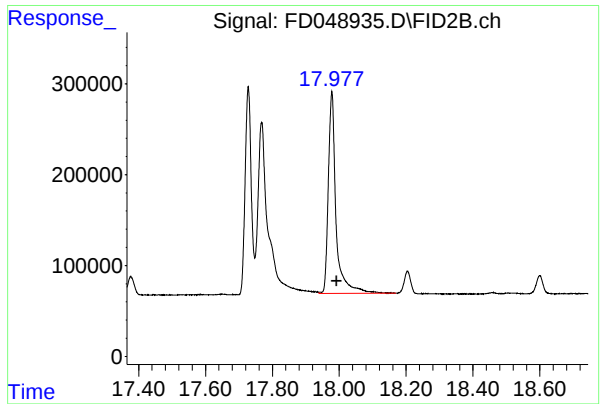
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: -0.025 min
Response: 2931450
Conc: 22.03 ug/ml m



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

R.T.: 17.768 min
Delta R.T.: -0.028 min
Response: 3986425
Conc: 21.62 ug/ml



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

R.T.: 17.977 min
Delta R.T.: -0.015 min
Response: 3546248
Conc: 21.24 ug/ml

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