

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080724AR\
 Data File : FD048160.D
 Signal(s) : FID2B.ch
 Acq On : 07 Aug 2024 12:42
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :Ankita Jodhani 08/08/2024

Integration File: autoint1.e
 Quant Time: Aug 08 03:20:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.399	2896002	19.485 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
6) S 2-Fluorobiphenyl (SURR)	8.250	1868973	19.748 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.50%
11) S ortho-Terphenyl (SURR)	11.287	3265562	19.517 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.219	3331187	19.893 ug/ml
2) T Naphthalene (C11.7)	5.740	3381000	19.564 ug/ml
3) T 2-Methylnaphthalene (...)	6.786	3376852	19.466 ug/ml
5) T Acenaphthylene (C15.06)	8.053	3316853	19.355 ug/ml
7) T Acenaphthene (C15.5)	8.347	3340443	19.256 ug/ml
8) T Fluorene (C16.55)	9.125	3186664	19.620 ug/ml
9) T Phenanthrene (C19.36)	10.514	3123383	19.667 ug/ml
10) T Anthracene (C19.43)	10.588	3073907	19.467 ug/ml
12) T Fluoranthene (C21.85)	12.317	3128307	19.758 ug/ml
13) T Pyrene (C20.8)	12.610	3086246	19.517 ug/ml
14) T Benzo[a]anthracene (C...	14.479	2789070	20.429 ug/ml
15) T Chrysene (C27.41)	14.520	3076793	19.086 ug/ml
16) T benzo[b]fluoranthene ...	16.025	2947490	20.478 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.056	2883737	19.308 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.401	2915923	20.587 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.762	2391372	21.203 ug/mlm
20) T Dibenz[a,h]anthracene...	17.803	2895083	19.920 ug/ml
21) T Benzo[g,h,i]perylene ...	18.014	2921132	19.822 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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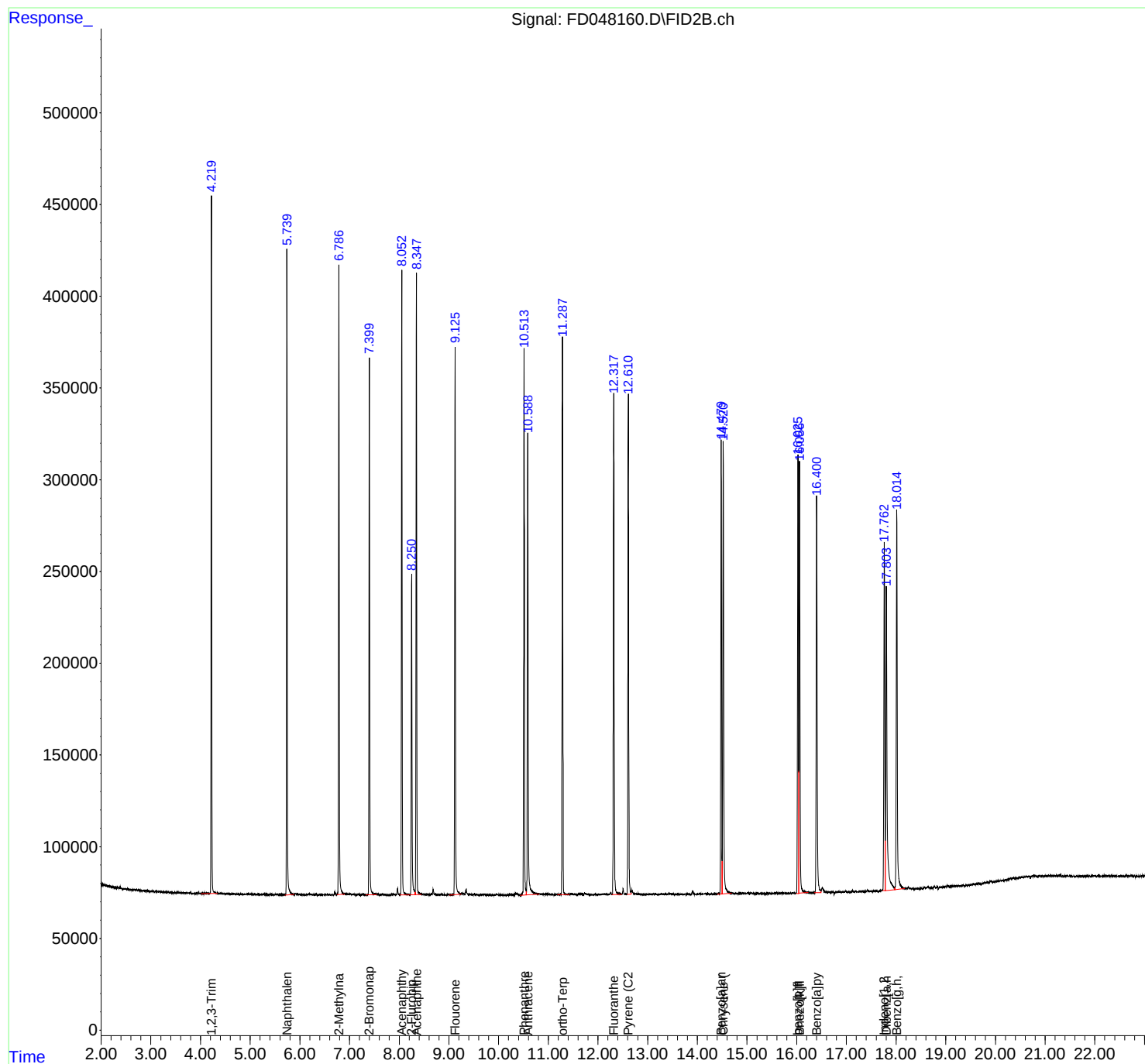
Instrument :
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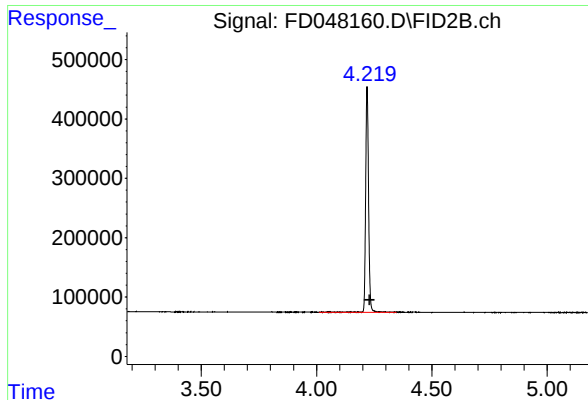
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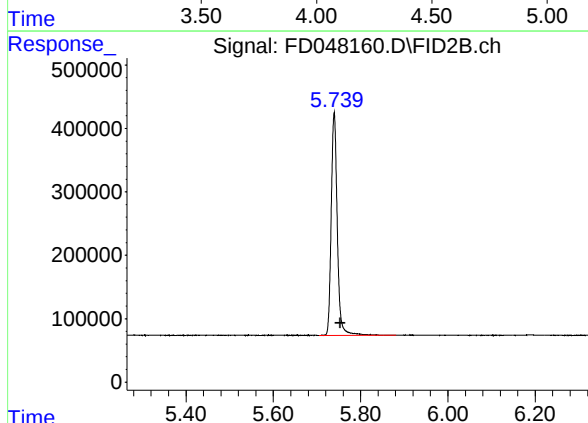
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.219 min
Delta R.T.: -0.011 min
Response: 3331187
Conc: 19.89 ug/ml

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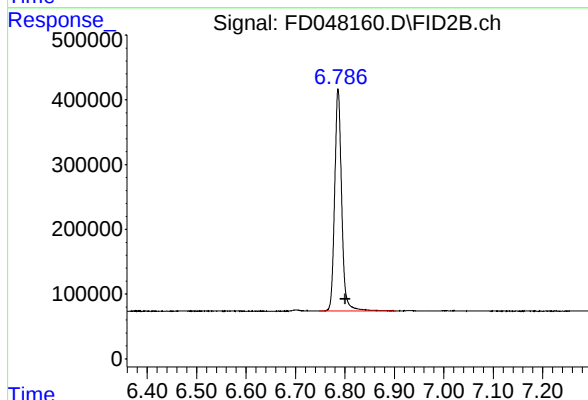
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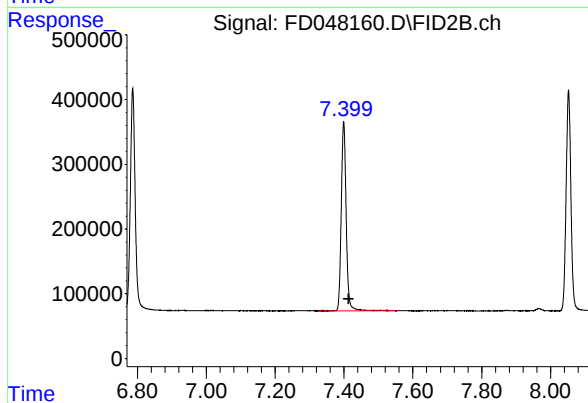
#2 Naphthalene (C11.7)

R.T.: 5.740 min
Delta R.T.: -0.014 min
Response: 3381000
Conc: 19.56 ug/ml



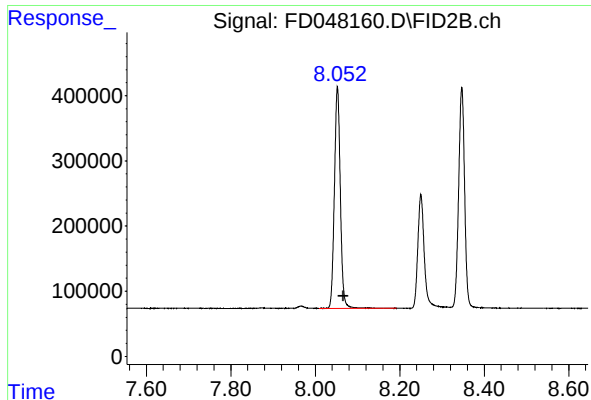
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.786 min
Delta R.T.: -0.014 min
Response: 3376852
Conc: 19.47 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.399 min
Delta R.T.: -0.014 min
Response: 2896002
Conc: 19.49 ug/ml



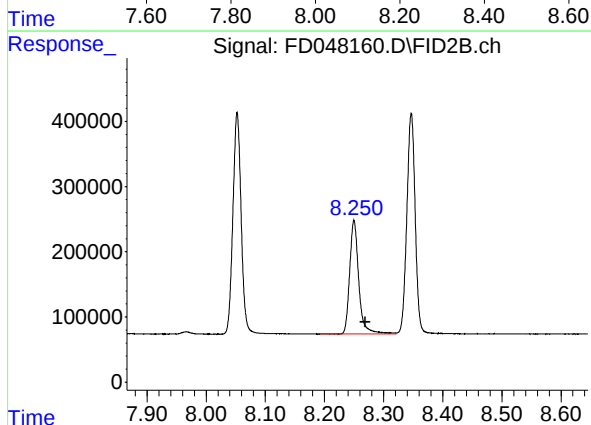
#5 Acenaphthylene (C15.06)

R.T.: 8.053 min
Delta R.T.: -0.014 min
Response: 3316853
Conc: 19.35 ug/ml

Instrument :
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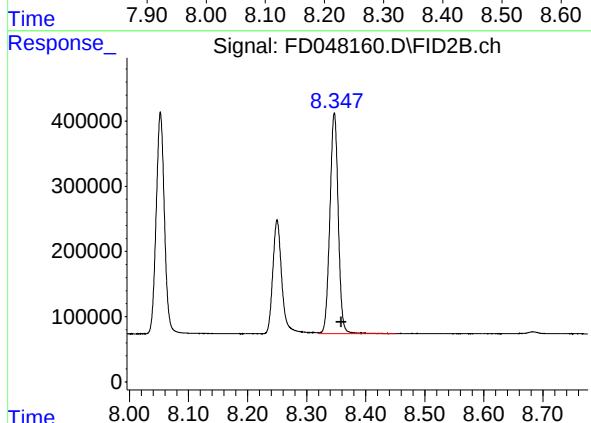
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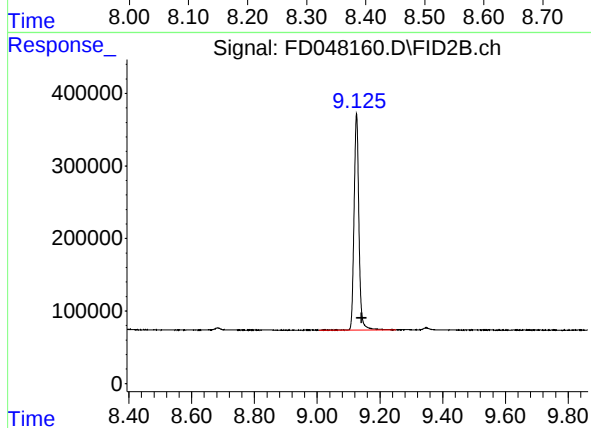
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.250 min
Delta R.T.: -0.019 min
Response: 1868973
Conc: 19.75 ug/ml



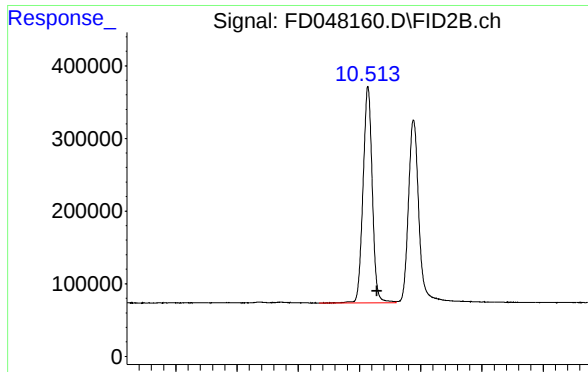
#7 Acenaphthene (C15.5)

R.T.: 8.347 min
Delta R.T.: -0.012 min
Response: 3340443
Conc: 19.26 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.125 min
Delta R.T.: -0.016 min
Response: 3186664
Conc: 19.62 ug/ml



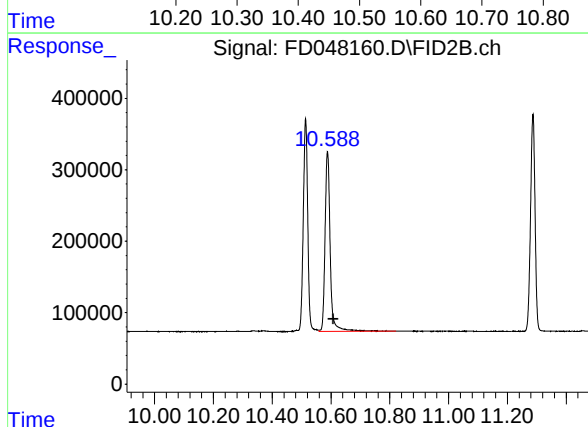
#9 Phenanthrene (C19.36)

R.T.: 10.514 min
Delta R.T.: -0.015 min
Response: 3123383
Conc: 19.67 ug/ml

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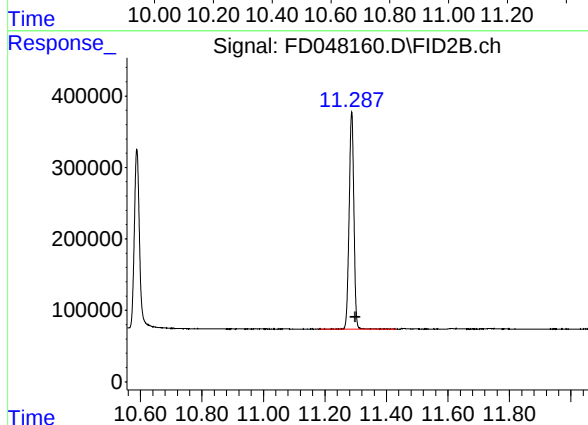
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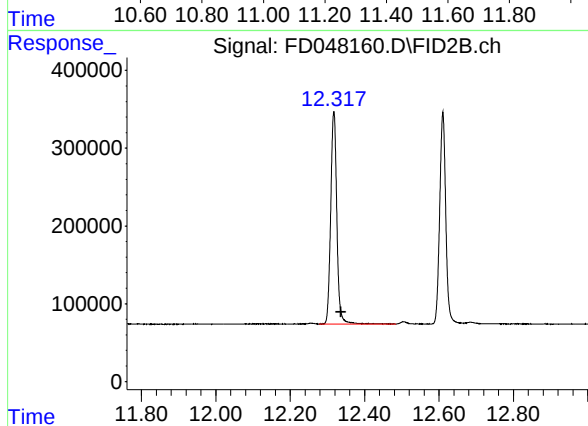
#10 Anthracene (C19.43)

R.T.: 10.588 min
Delta R.T.: -0.019 min
Response: 3073907
Conc: 19.47 ug/ml



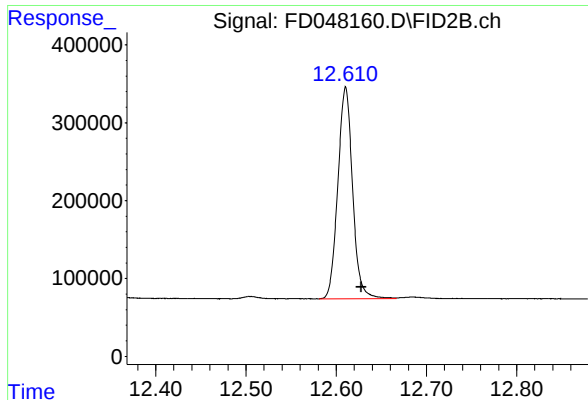
#11 ortho-Terphenyl (SURR)

R.T.: 11.287 min
Delta R.T.: -0.011 min
Response: 3265562
Conc: 19.52 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.317 min
Delta R.T.: -0.019 min
Response: 3128307
Conc: 19.76 ug/ml



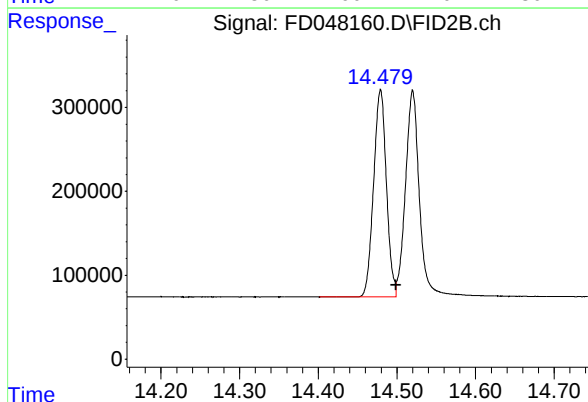
#13 Pyrene (C20.8)

R.T.: 12.610 min
Delta R.T.: -0.017 min
Response: 3086246
Conc: 19.52 ug/ml

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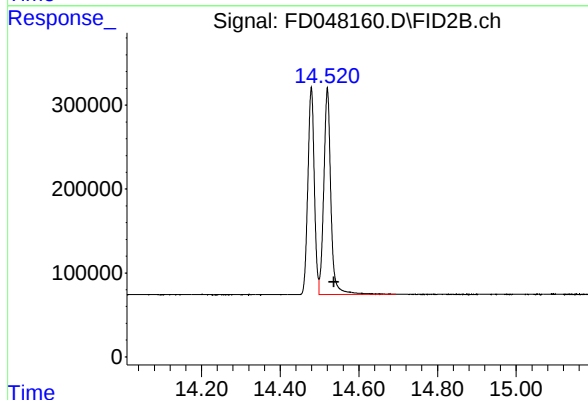
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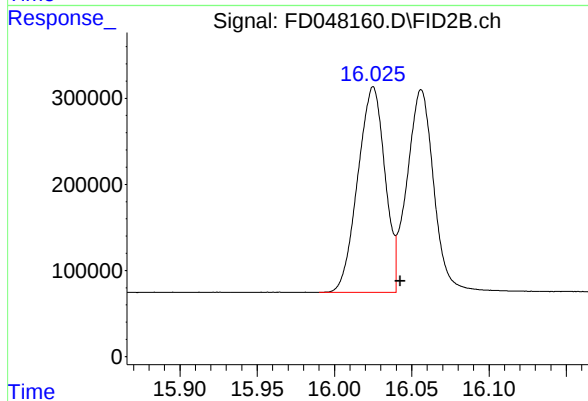
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.479 min
Delta R.T.: -0.020 min
Response: 2789070
Conc: 20.43 ug/ml



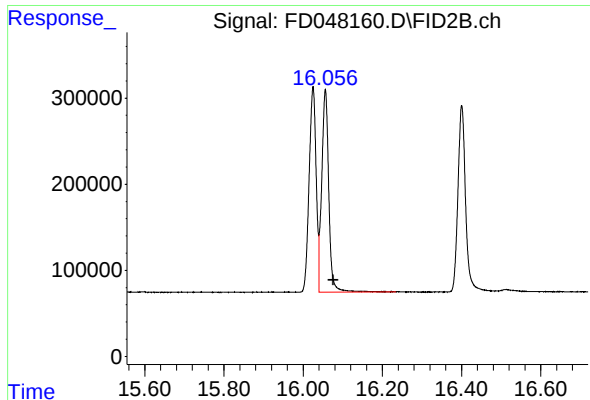
#15 Chrysene (C27.41)

R.T.: 14.520 min
Delta R.T.: -0.017 min
Response: 3076793
Conc: 19.09 ug/ml



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

R.T.: 16.025 min
Delta R.T.: -0.018 min
Response: 2947490
Conc: 20.48 ug/ml m



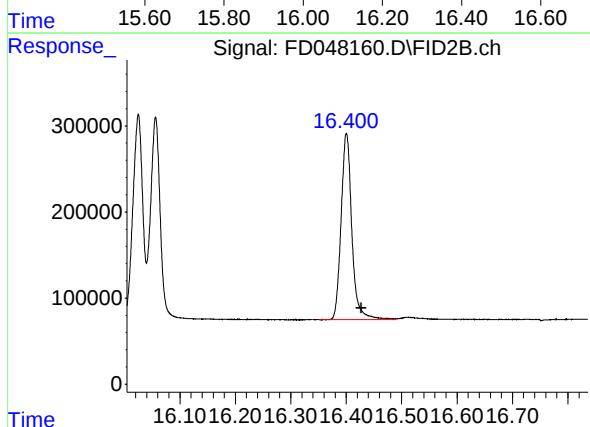
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.056 min
Delta R.T.: -0.020 min
Response: 2883737
Conc: 19.31 ug/ml

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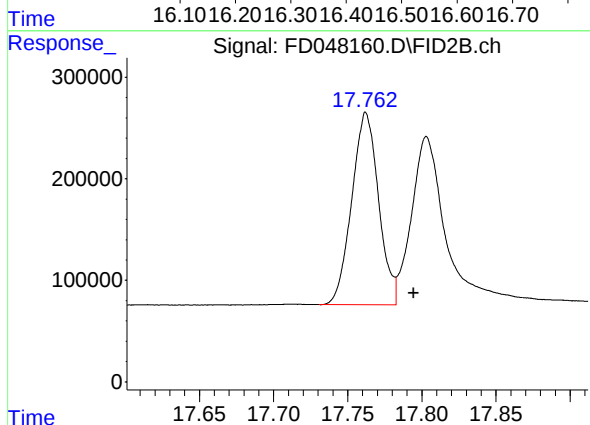
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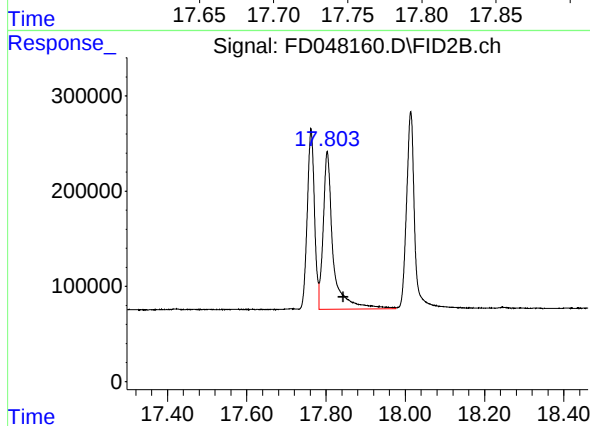
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.401 min
Delta R.T.: -0.027 min
Response: 2915923
Conc: 20.59 ug/ml



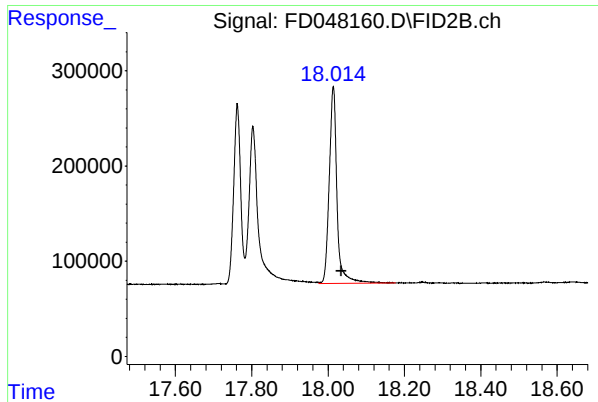
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.762 min
Delta R.T.: -0.033 min
Response: 2391372
Conc: 21.20 ug/ml m



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

R.T.: 17.803 min
Delta R.T.: -0.040 min
Response: 2895083
Conc: 19.92 ug/ml



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

R.T.: 18.014 min
Delta R.T.: -0.021 min
Response: 2921132
Conc: 19.82 ug/ml

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