

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100224AR\
 Data File : FD048415.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2024 20:00
 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 10/03/2024
 Supervised By :Ankita Jodhani 10/03/2024

Integration File: autoint1.e
 Quant Time: Oct 03 03:41:21 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...	7.380	3280555	19.814 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
6) S 2-Fluorobiphenyl (SURR)	8.231	2132101	20.559 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.12%
11) S ortho-Terphenyl (SURR)	11.265	3700488	20.112 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.202	3651377	20.834 ug/mlm
2) T Naphthalene (C11.7)	5.721	3806981	20.389 ug/ml
3) T 2-Methylnaphthalene (...)	6.768	3809977	20.160 ug/ml
5) T Acenaphthylene (C15.06)	8.033	3749189	19.543 ug/ml
7) T Acenaphthene (C15.5)	8.326	3818178	20.185 ug/ml
8) T Flouorene (C16.55)	9.105	3700254	20.480 ug/ml
9) T Phenanthrene (C19.36)	10.492	3605972	20.346 ug/ml
10) T Anthracene (C19.43)	10.568	3038605	17.076 ug/ml
12) T Fluoranthene (C21.85)	12.296	3617429	20.000 ug/ml
13) T Pyrene (C20.8)	12.589	3535310	19.743 ug/ml
14) T Benzo[a]anthracene (C...	14.458	3213303	20.106 ug/ml
15) T Chrysene (C27.41)	14.500	3621608	19.416 ug/ml
16) T benzo[b]fluoranthene ...	16.003	3319319	19.931 ug/ml
17) T Bnezo[k]fluoranthene ...	16.035	3301188	19.448 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.379	3172211	19.409 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.742	2662276	20.239 ug/ml
20) T Dibenz[a,h]anthracene...	17.783	3414172	20.403 ug/ml
21) T Benzo[g,h,i]perylene ...	17.993	3185398	19.612 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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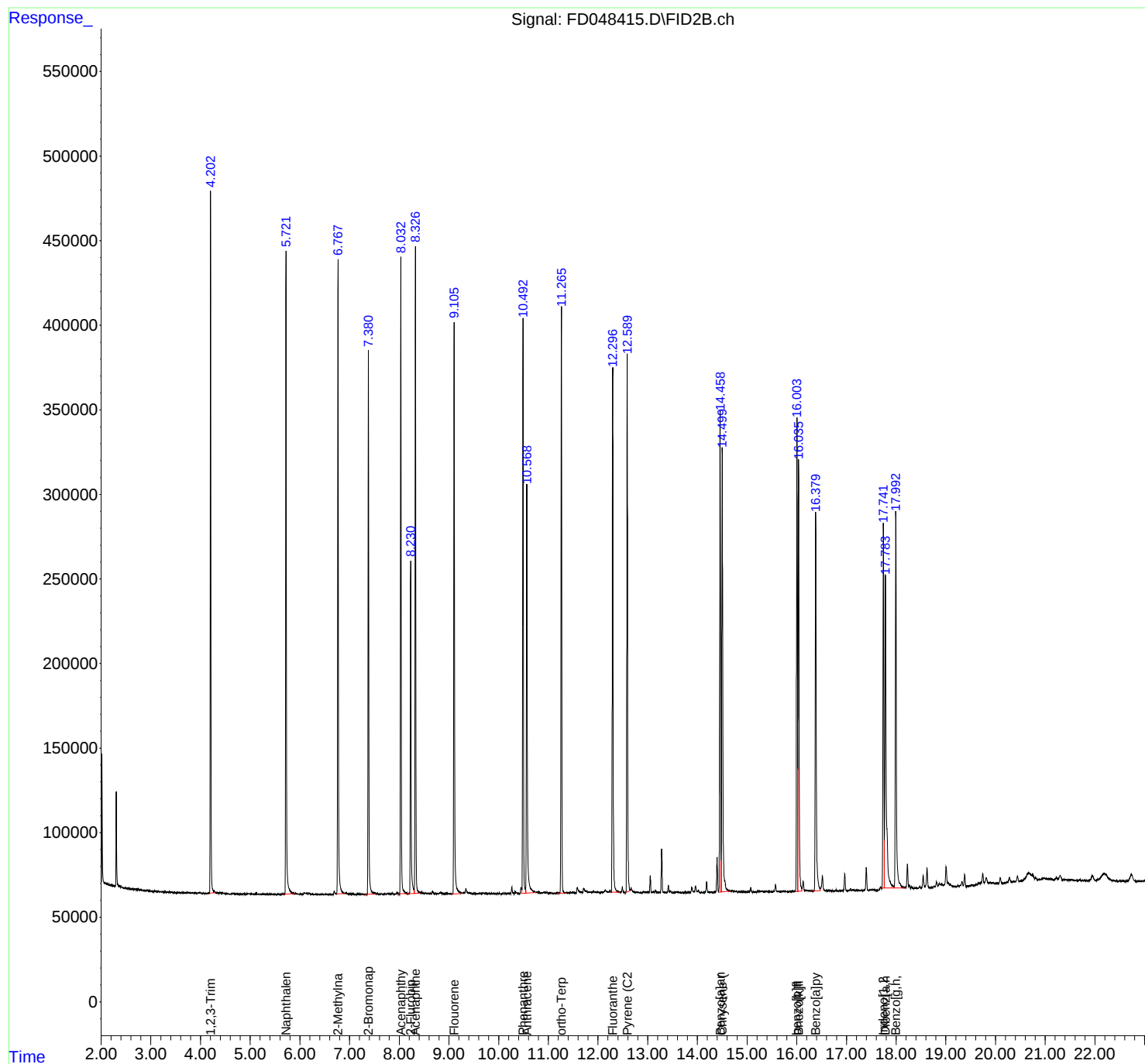
Instrument :
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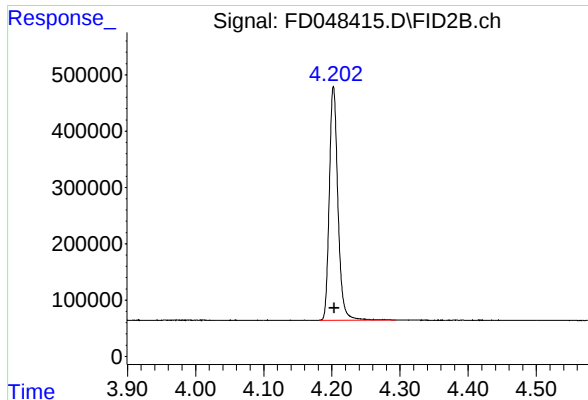
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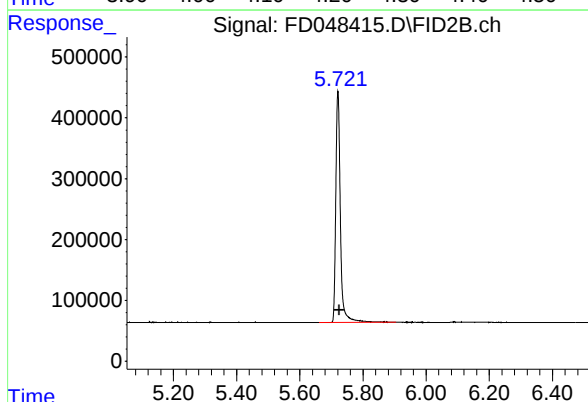
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.202 min
Delta R.T.: -0.002 min
Response: 3651377
Conc: 20.83 ug/ml

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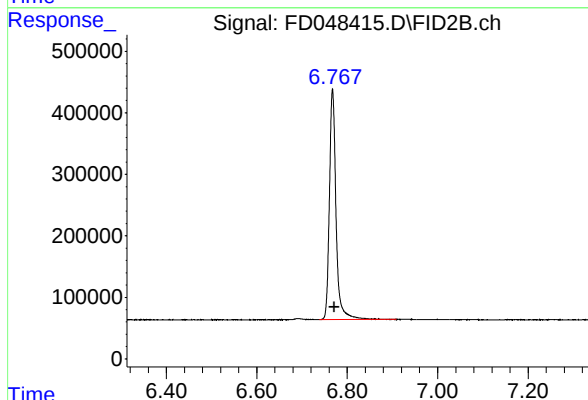
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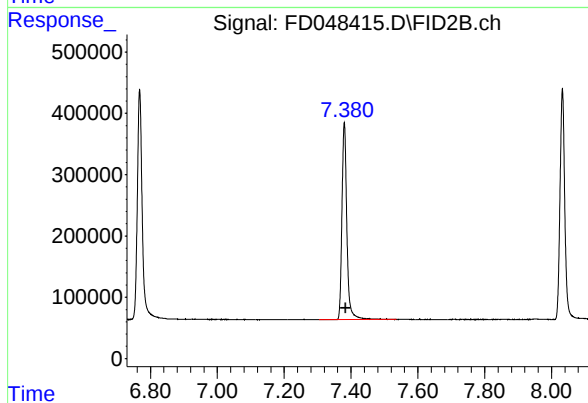
#2 Naphthalene (C11.7)

R.T.: 5.721 min
Delta R.T.: -0.004 min
Response: 3806981
Conc: 20.39 ug/ml



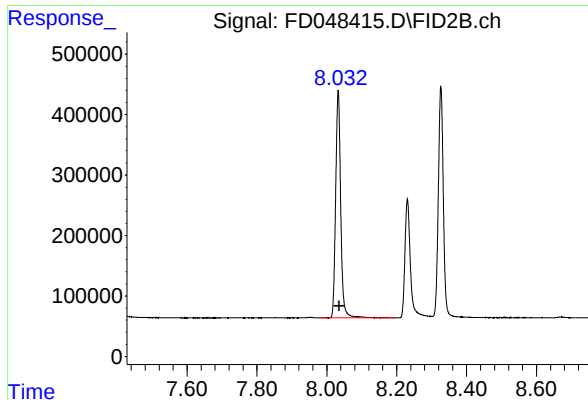
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.768 min
Delta R.T.: -0.004 min
Response: 3809977
Conc: 20.16 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.380 min
Delta R.T.: -0.004 min
Response: 3280555
Conc: 19.81 ug/ml



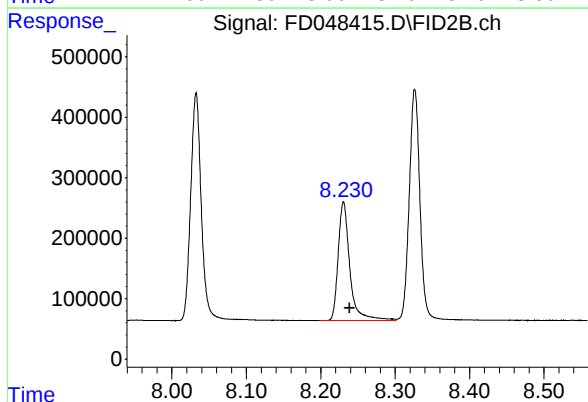
#5 Acenaphthylene (C15.06)

R.T.: 8.033 min
Delta R.T.: -0.003 min
Response: 3749189
Conc: 19.54 ug/ml

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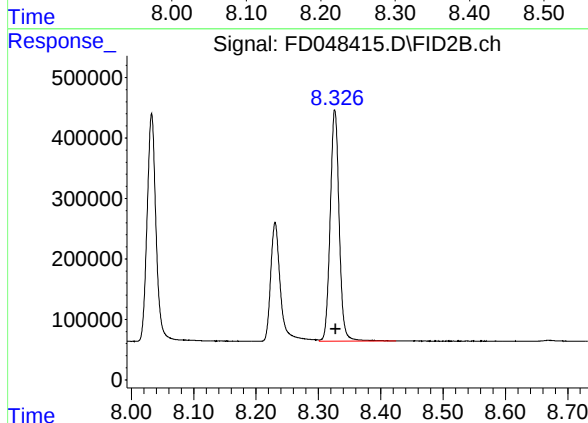
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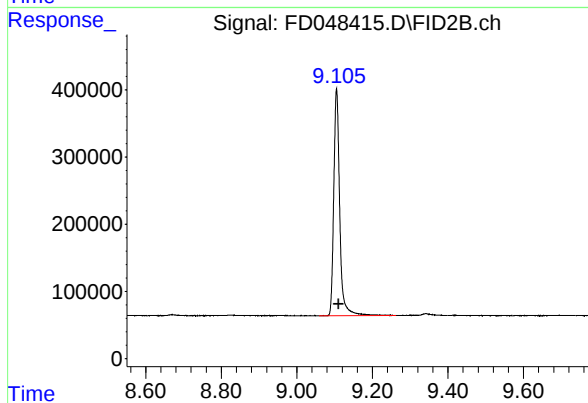
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.231 min
Delta R.T.: -0.008 min
Response: 2132101
Conc: 20.56 ug/ml



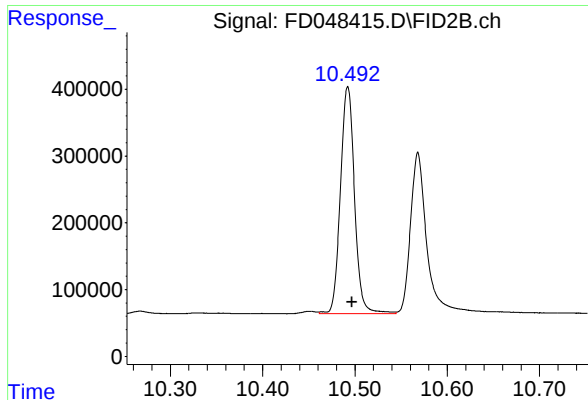
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: -0.001 min
Response: 3818178
Conc: 20.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.105 min
Delta R.T.: -0.006 min
Response: 3700254
Conc: 20.48 ug/ml



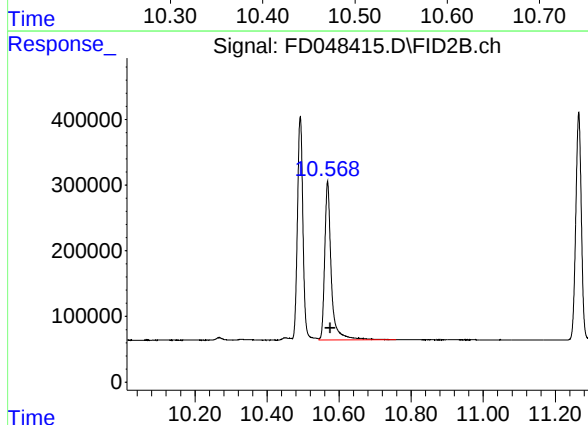
#9 Phenanthrene (C19.36)

R.T.: 10.492 min
Delta R.T.: -0.005 min
Response: 3605972
Conc: 20.35 ug/ml

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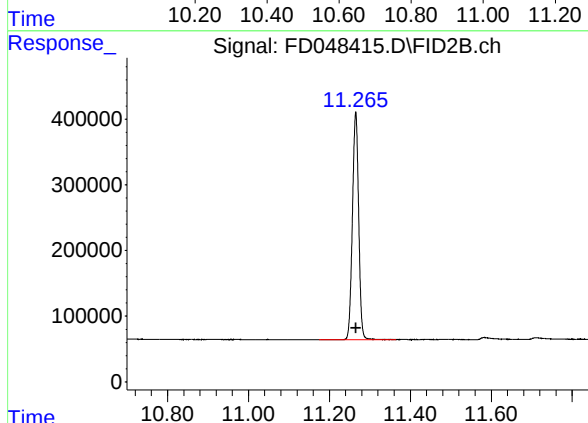
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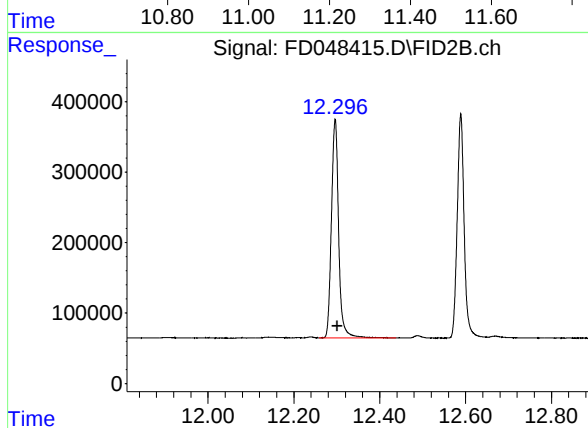
#10 Anthracene (C19.43)

R.T.: 10.568 min
Delta R.T.: -0.007 min
Response: 3038605
Conc: 17.08 ug/ml



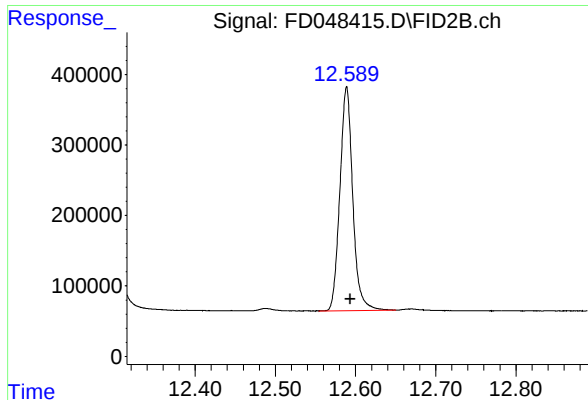
#11 ortho-Terphenyl (SURRE)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 3700488
Conc: 20.11 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.296 min
Delta R.T.: -0.005 min
Response: 3617429
Conc: 20.00 ug/ml



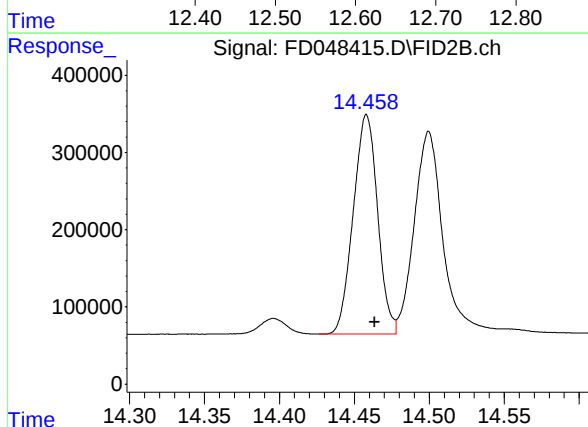
#13 Pyrene (C20.8)

R.T.: 12.589 min
Delta R.T.: -0.005 min
Response: 3535310
Conc: 19.74 ug/ml

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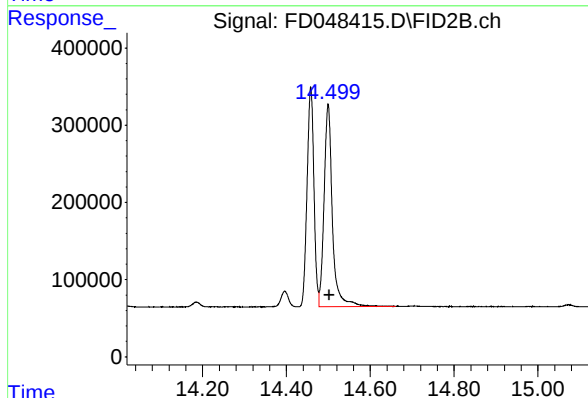
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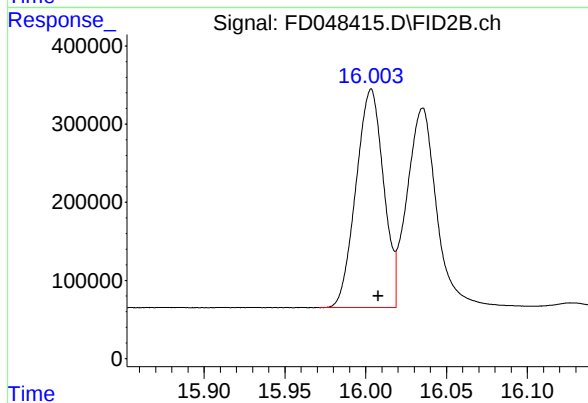
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.458 min
Delta R.T.: -0.006 min
Response: 3213303
Conc: 20.11 ug/ml



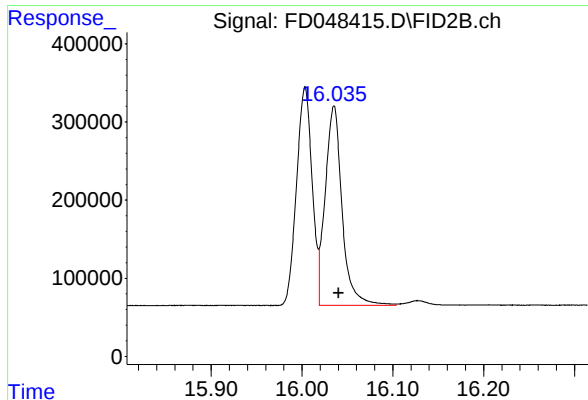
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: -0.003 min
Response: 3621608
Conc: 19.42 ug/ml



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

R.T.: 16.003 min
Delta R.T.: -0.005 min
Response: 3319319
Conc: 19.93 ug/ml



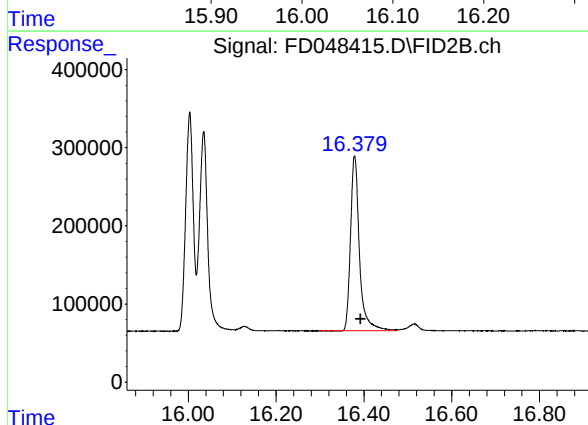
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.035 min
Delta R.T.: -0.005 min
Response: 3301188
Conc: 19.45 ug/ml

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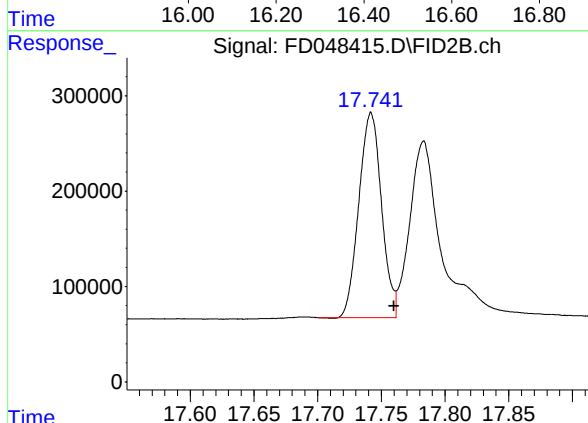
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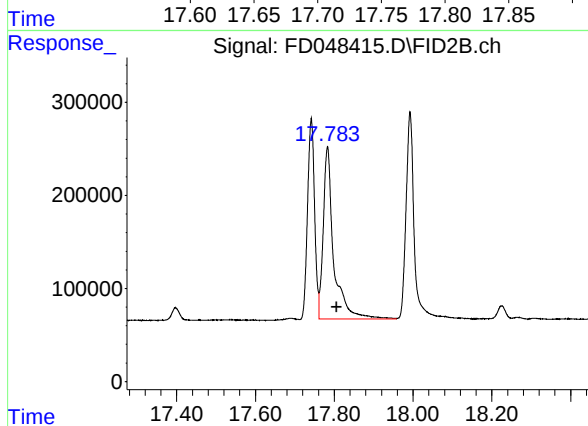
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.379 min
Delta R.T.: -0.014 min
Response: 3172211
Conc: 19.41 ug/ml



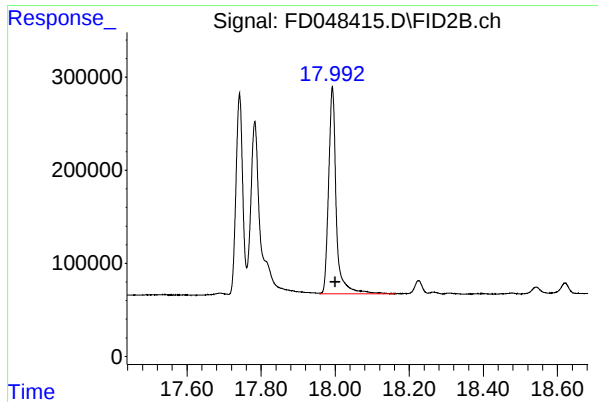
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.742 min
Delta R.T.: -0.018 min
Response: 2662276
Conc: 20.24 ug/ml



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

R.T.: 17.783 min
Delta R.T.: -0.023 min
Response: 3414172
Conc: 20.40 ug/ml



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

R.T.: 17.993 min
Delta R.T.: -0.008 min
Response: 3185398
Conc: 19.61 ug/ml

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