

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071624AR\
 Data File : FD048005.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2024 11:22
 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 07/17/2024
 Supervised By :Ankita Jodhani 07/17/2024

Integration File: autoint1.e
 Quant Time: Jul 17 01:36:01 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...	7.410	2939929	19.781 ug/ml
Spiked Amount 50.000		Recovery =	39.56%
6) S 2-Fluorobiphenyl (SURR)	8.261	1904573	20.124 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.25%
11) S ortho-Terphenyl (SURR)	11.298	3331640	19.912 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.229	3330877	19.891 ug/ml
2) T Naphthalene (C11.7)	5.750	3438920	19.900 ug/ml
3) T 2-Methylnaphthalene (...)	6.797	3435769	19.806 ug/ml
5) T Acenaphthylene (C15.06)	8.063	3369384	19.661 ug/ml
7) T Acenaphthene (C15.5)	8.357	3426864	19.754 ug/ml
8) T Flouorene (C16.55)	9.137	3272118	20.146 ug/ml
9) T Phenanthrene (C19.36)	10.524	3177193	20.006 ug/mlm
10) T Anthracene (C19.43)	10.600	2820107	17.860 ug/ml
12) T Fluoranthene (C21.85)	12.329	3188538	20.138 ug/ml
13) T Pyrene (C20.8)	12.622	3178737	20.102 ug/ml
14) T Benzo[a]anthracene (C...	14.491	2813122	20.605 ug/ml
15) T Chrysene (C27.41)	14.533	3170713	19.669 ug/ml
16) T benzo[b]fluoranthene ...	16.038	2995481	20.811 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	2931249	19.626 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	2908188	20.533 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.776	2302474	20.415 ug/ml
20) T Dibenz[a,h]anthracene...	17.818	2980908	20.511 ug/ml
21) T Benzo[g,h,i]perylene ...	18.027	3018778	20.484 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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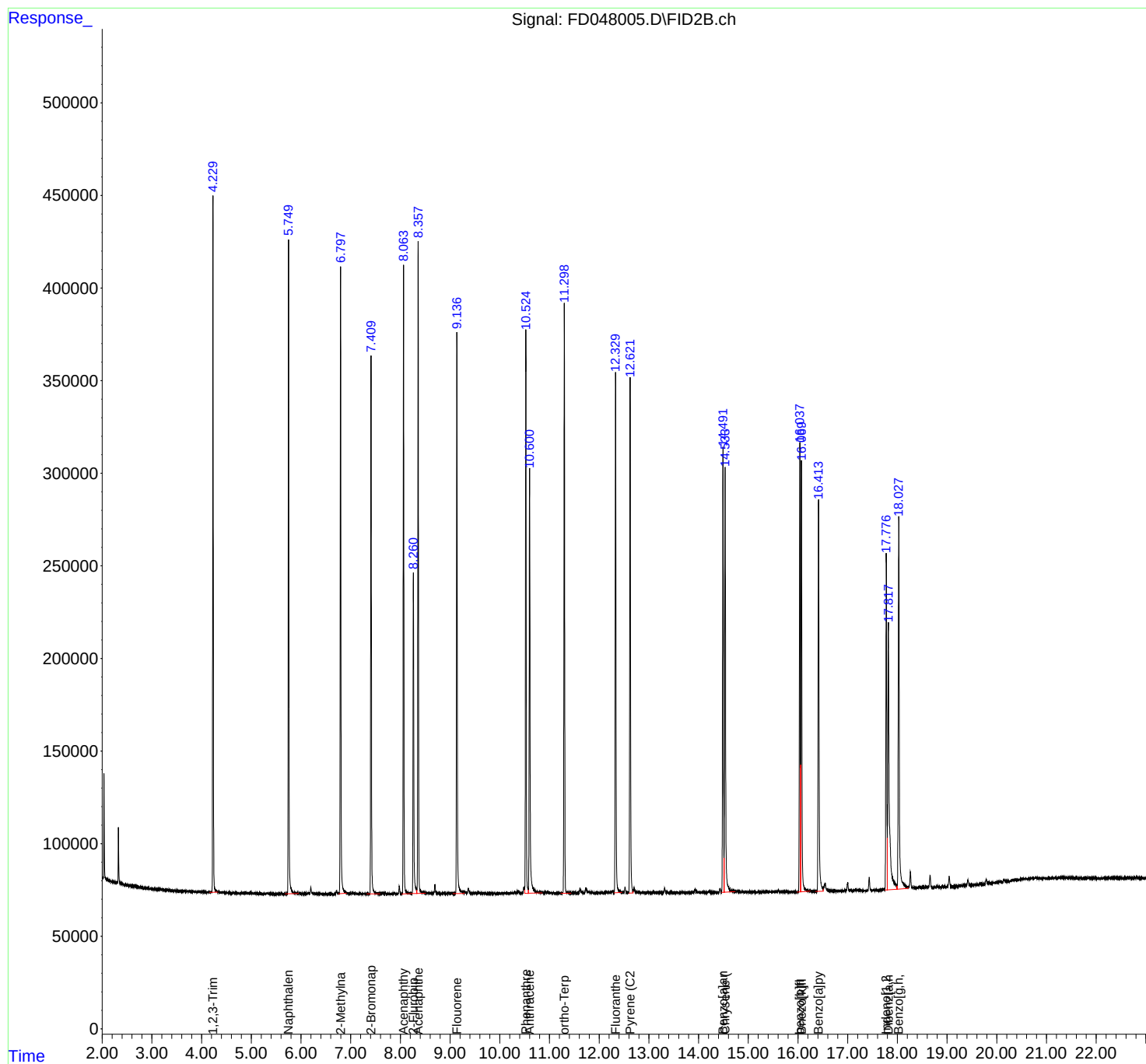
Instrument :
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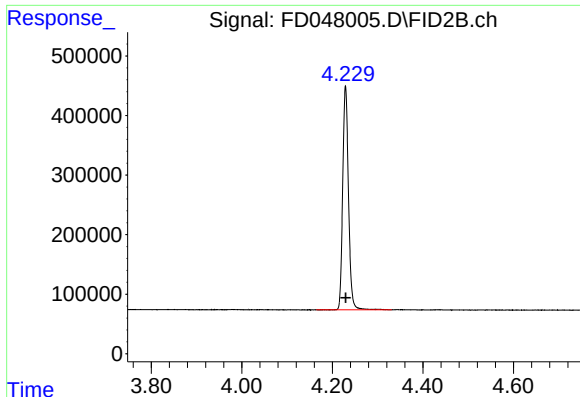
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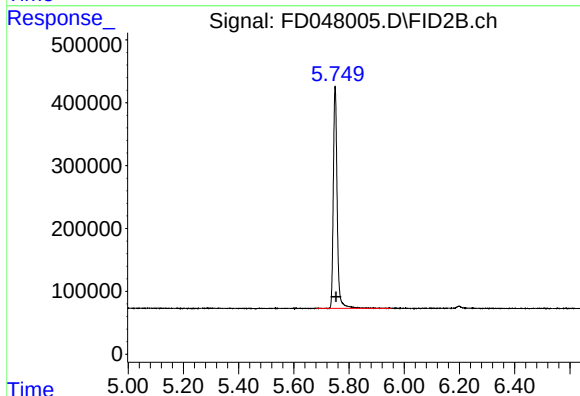
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 3330877
Conc: 19.89 ug/ml

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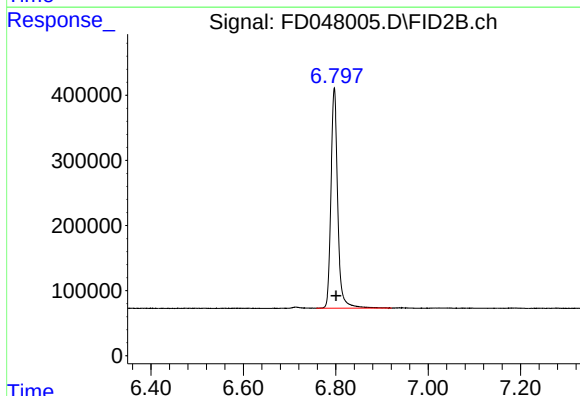
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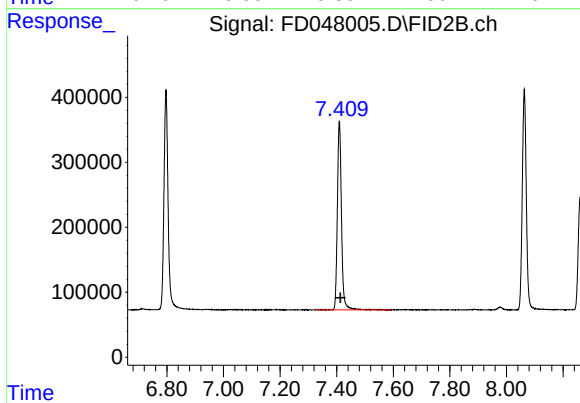
#2 Naphthalene (C11.7)

R.T.: 5.750 min
Delta R.T.: -0.004 min
Response: 3438920
Conc: 19.90 ug/ml



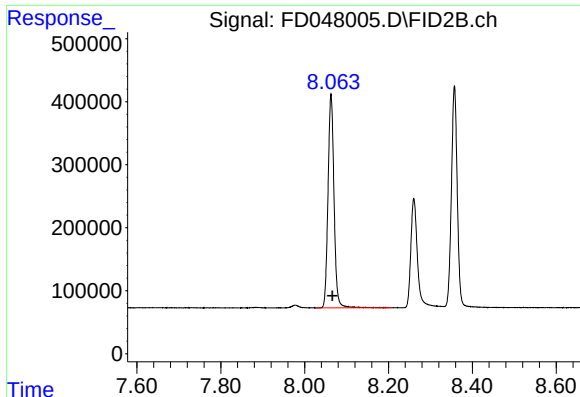
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.797 min
Delta R.T.: -0.004 min
Response: 3435769
Conc: 19.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.410 min
Delta R.T.: -0.004 min
Response: 2939929
Conc: 19.78 ug/ml



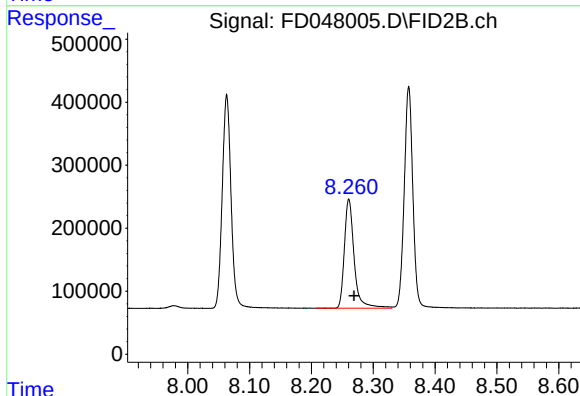
#5 Acenaphthylene (C15.06)

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 3369384
Conc: 19.66 ug/ml

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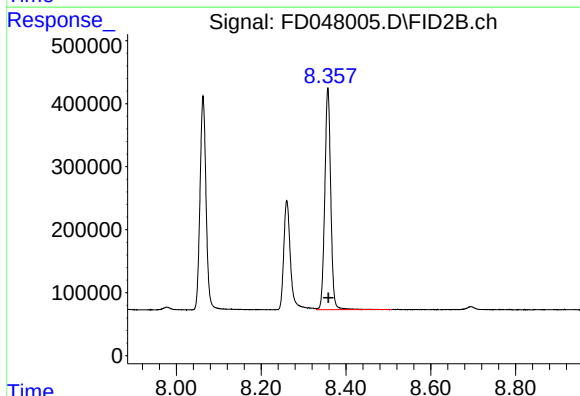
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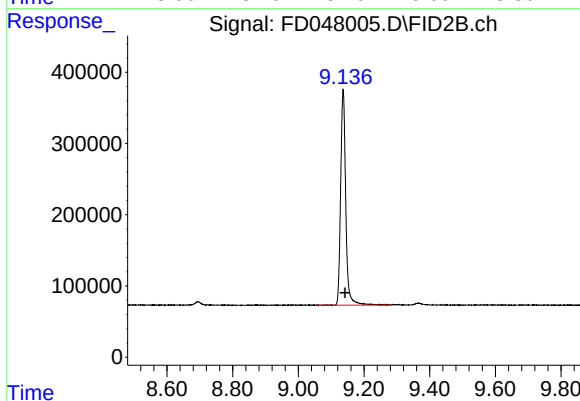
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.261 min
Delta R.T.: -0.008 min
Response: 1904573
Conc: 20.12 ug/ml



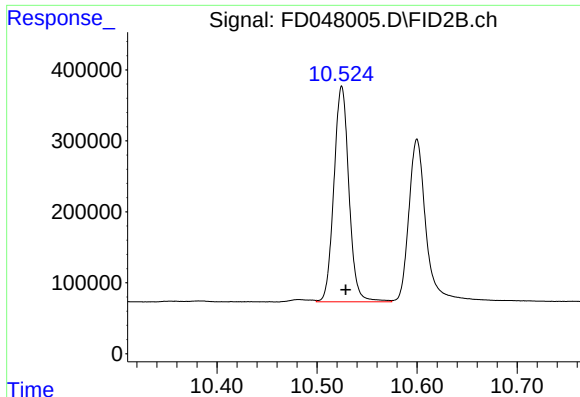
#7 Acenaphthene (C15.5)

R.T.: 8.357 min
Delta R.T.: -0.001 min
Response: 3426864
Conc: 19.75 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.137 min
Delta R.T.: -0.005 min
Response: 3272118
Conc: 20.15 ug/ml



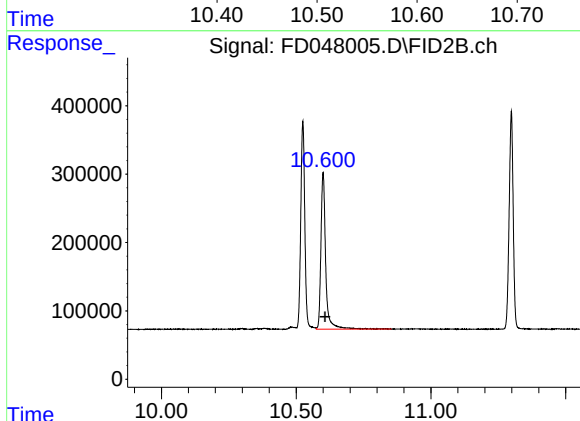
#9 Phenanthrene (C19.36)

R.T.: 10.524 min
Delta R.T.: -0.004 min
Response: 3177193
Conc: 20.01 ug/ml

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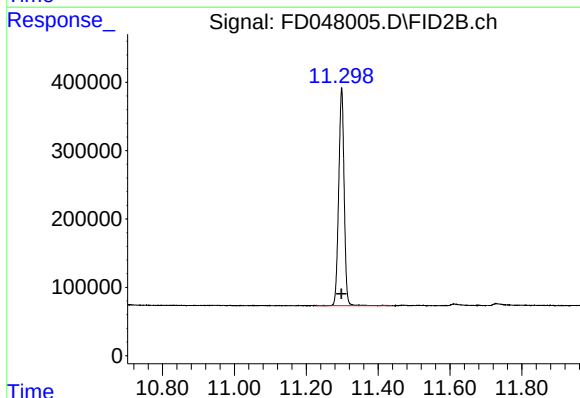
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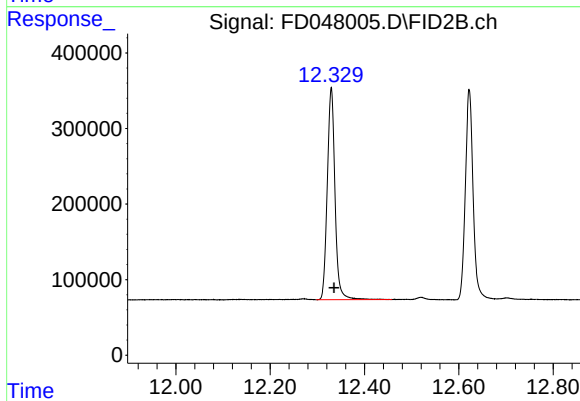
#10 Anthracene (C19.43)

R.T.: 10.600 min
Delta R.T.: -0.007 min
Response: 2820107
Conc: 17.86 ug/ml



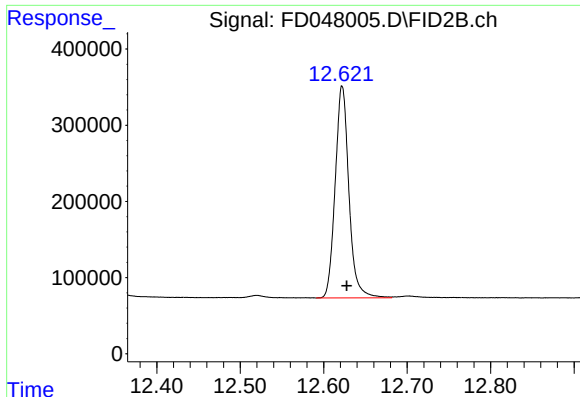
#11 ortho-Terphenyl (SURR)

R.T.: 11.298 min
Delta R.T.: 0.000 min
Response: 3331640
Conc: 19.91 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.329 min
Delta R.T.: -0.006 min
Response: 3188538
Conc: 20.14 ug/ml



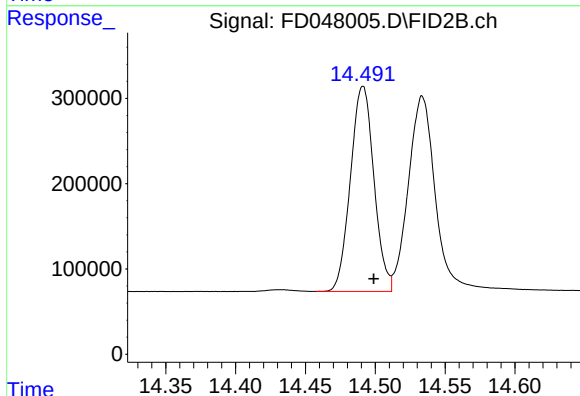
#13 Pyrene (C20.8)

R.T.: 12.622 min
Delta R.T.: -0.006 min
Response: 3178737
Conc: 20.10 ug/ml

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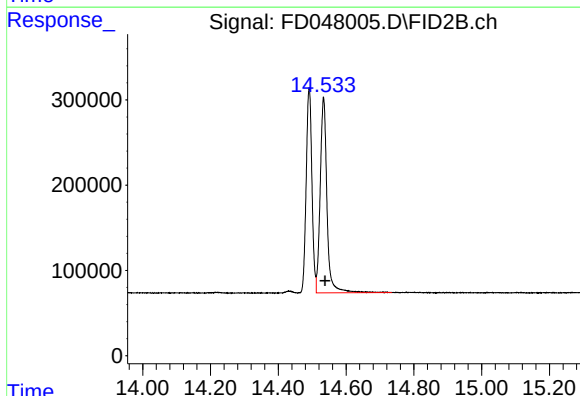
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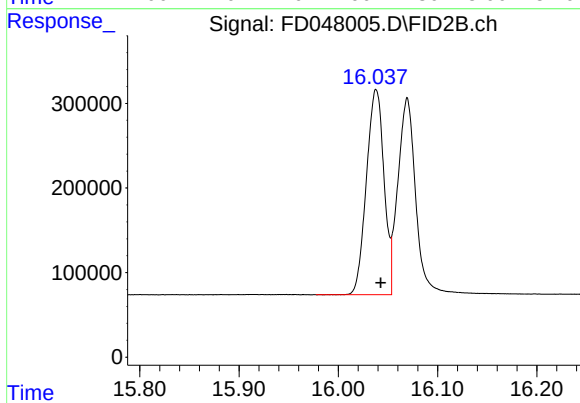
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.491 min
Delta R.T.: -0.008 min
Response: 2813122
Conc: 20.60 ug/ml



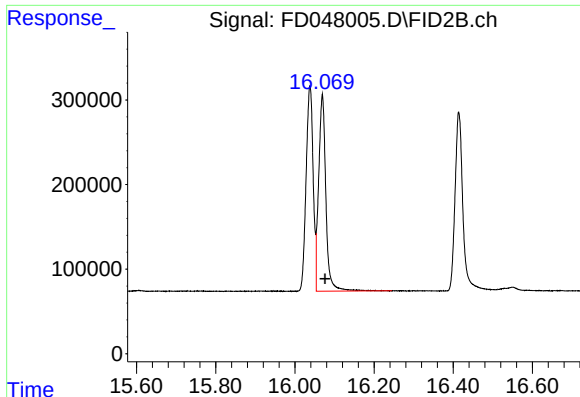
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: -0.004 min
Response: 3170713
Conc: 19.67 ug/ml



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

R.T.: 16.038 min
Delta R.T.: -0.005 min
Response: 2995481
Conc: 20.81 ug/ml



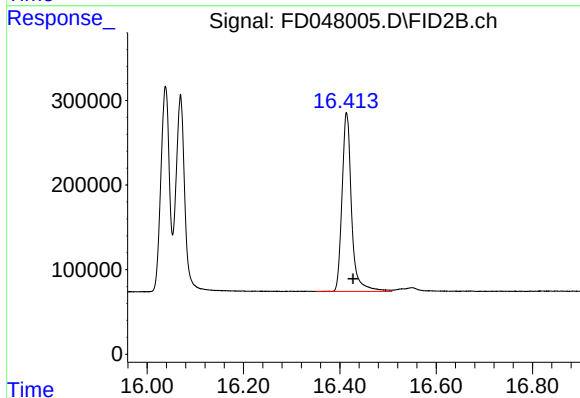
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.069 min
Delta R.T.: -0.007 min
Response: 2931249
Conc: 19.63 ug/ml

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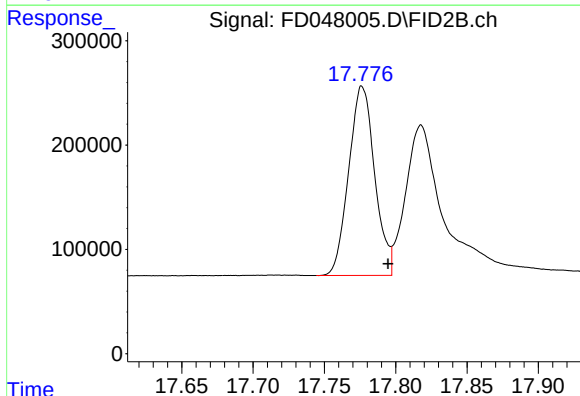
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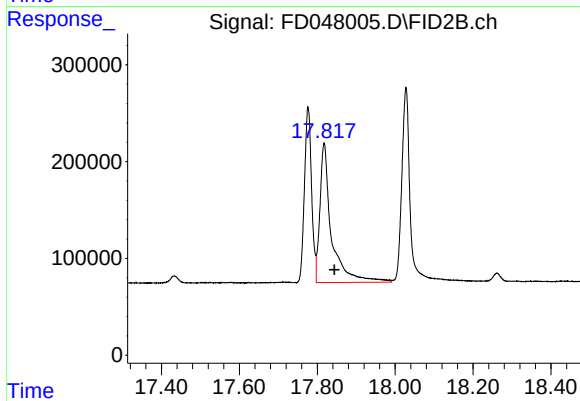
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: -0.013 min
Response: 2908188
Conc: 20.53 ug/ml



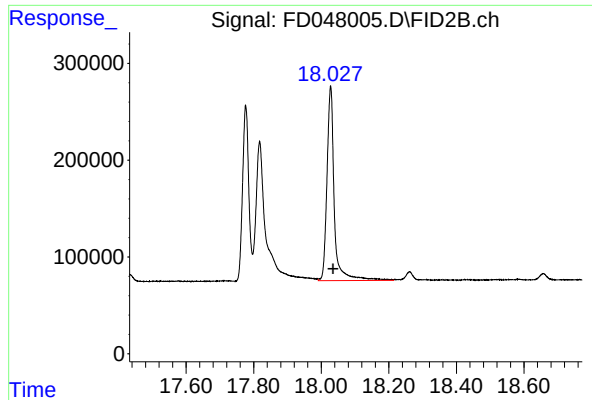
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min
Delta R.T.: -0.018 min
Response: 2302474
Conc: 20.41 ug/ml



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

R.T.: 17.818 min
Delta R.T.: -0.026 min
Response: 2980908
Conc: 20.51 ug/ml



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

R.T.: 18.027 min
Delta R.T.: -0.008 min
Response: 3018778
Conc: 20.48 ug/ml

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