

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032924AR\
 Data File : FD047465.D
 Signal(s) : FID2B.ch
 Acq On : 30 Mar 2024 01:49
 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 04/01/2024
 Supervised By :Ankita Jodhani 04/01/2024

Integration File: autoint1.e
 Quant Time: Mar 30 04:28:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030424.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 04 13:13:44 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...	7.461	2948884	17.854 ug/ml
Spiked Amount 50.000		Recovery =	35.71%
6) S 2-Fluorobiphenyl (SURR)	8.314	1953318	18.357 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.71%
11) S ortho-Terphenyl (SURR)	11.351	3410099	18.273 ug/ml
Spiked Amount 50.000		Recovery =	36.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	3131161	17.618 ug/ml
2) T Naphthalene (C11.7)	5.801	3222675	17.671 ug/ml
3) T 2-Methylnaphthalene (...)	6.849	3241613	17.774 ug/ml
5) T Acenaphthylene (C15.06)	8.118	2953116	17.713 ug/ml
7) T Acenaphthene (C15.5)	8.412	3163170	17.954 ug/ml
8) T Flouorene (C16.55)	9.191	3071932	18.237 ug/ml
9) T Phenanthrene (C19.36)	10.580	2996807	18.504 ug/ml
10) T Anthracene (C19.43)	10.654	2476956	16.831 ug/ml
12) T Fluoranthene (C21.85)	12.383	2998480	18.808 ug/mlm
13) T Pyrene (C20.8)	12.677	2929295	18.934 ug/ml
14) T Benzo[a]anthracene (C...	14.543	2678910	19.762 ug/ml
15) T Chrysene (C27.41)	14.584	2853256	19.221 ug/ml
16) T benzo[b]fluoranthene ...	16.087	2878013	20.501 ug/ml
17) T Bnezo[k]fluoranthene ...	16.119	2920279	20.622 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.462	2794791	20.232 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.823	2815999	22.531 ug/mlm
20) T Dibenz[a,h]anthracene...	17.862	2785000	21.119 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.076	2879071	21.428 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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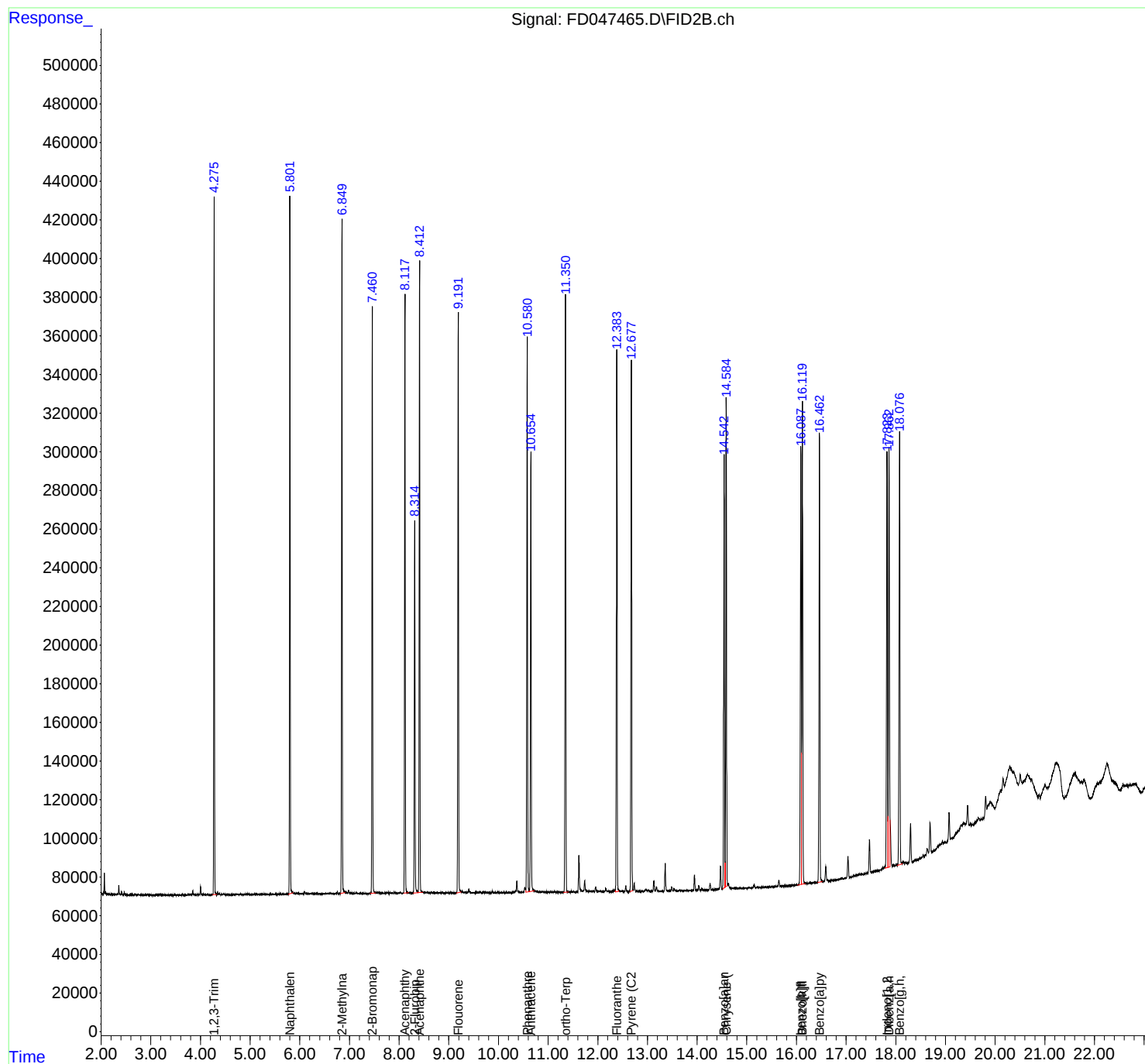
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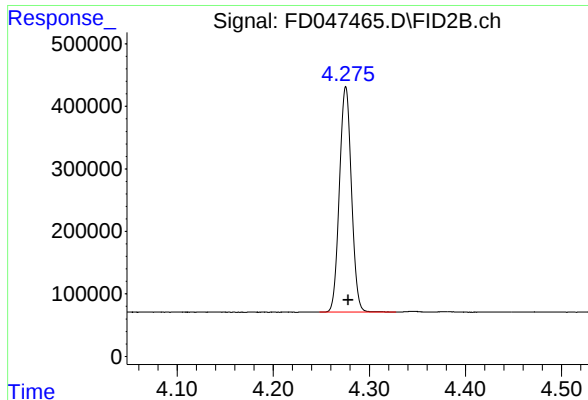
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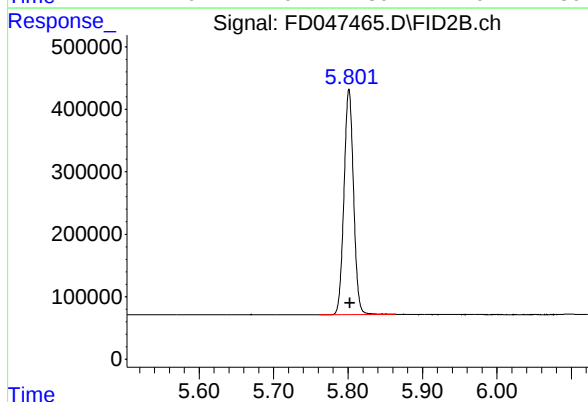
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.275 min
Delta R.T.: -0.003 min
Response: 3131161
Conc: 17.62 ug/ml

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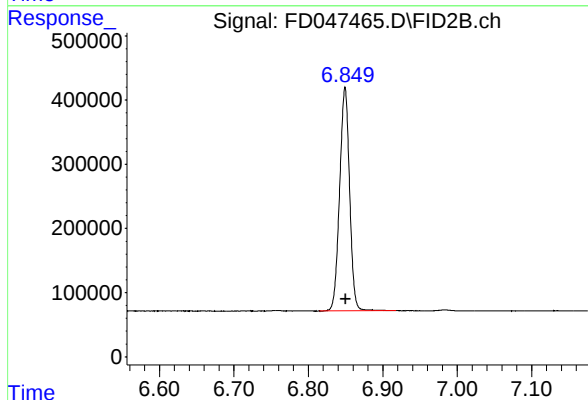
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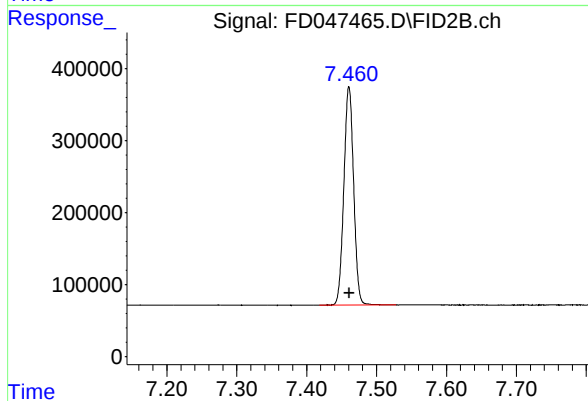
#2 Naphthalene (C11.7)

R.T.: 5.801 min
Delta R.T.: -0.002 min
Response: 3222675
Conc: 17.67 ug/ml



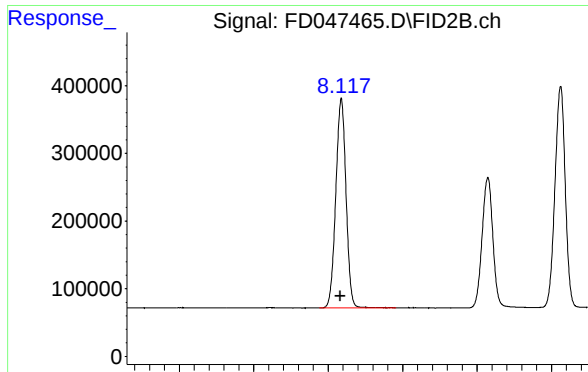
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.849 min
Delta R.T.: -0.001 min
Response: 3241613
Conc: 17.77 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 2948884
Conc: 17.85 ug/ml



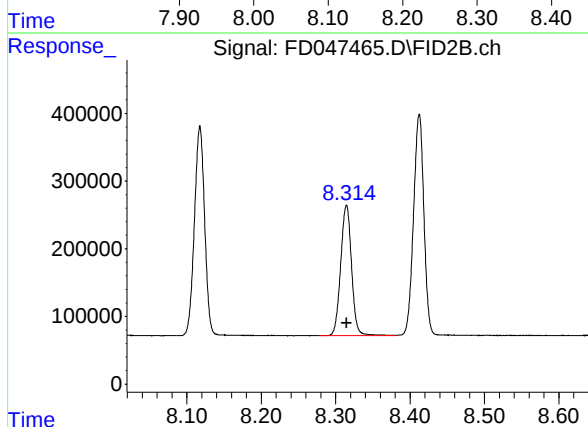
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 2953116
Conc: 17.71 ug/ml

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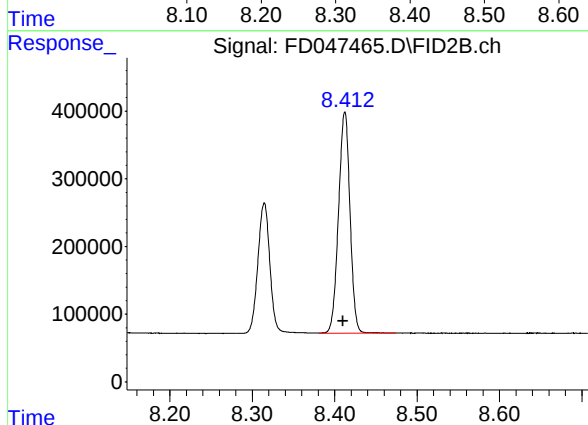
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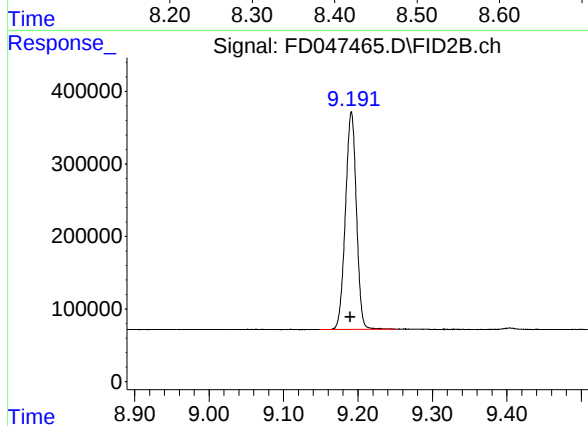
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: 0.000 min
Response: 1953318
Conc: 18.36 ug/ml



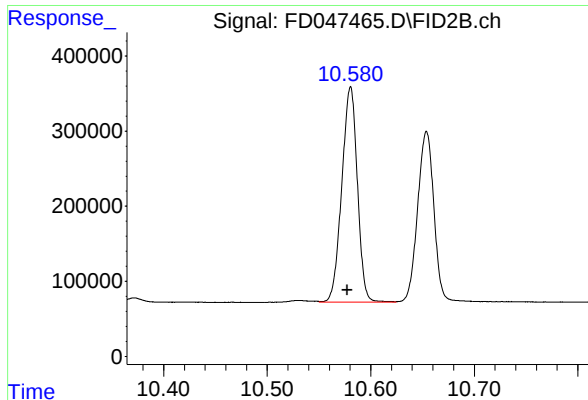
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.002 min
Response: 3163170
Conc: 17.95 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.191 min
Delta R.T.: 0.001 min
Response: 3071932
Conc: 18.24 ug/ml



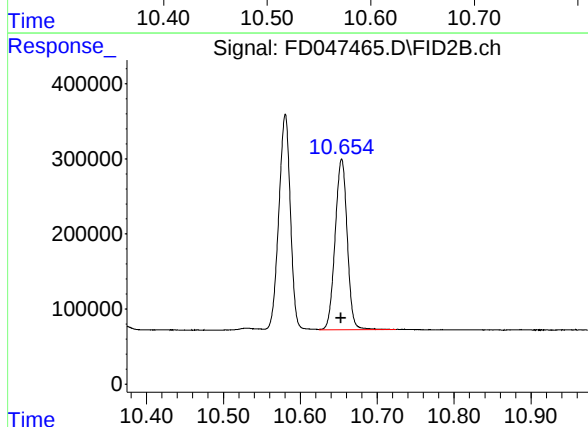
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: 0.003 min
Response: 2996807
Conc: 18.50 ug/ml

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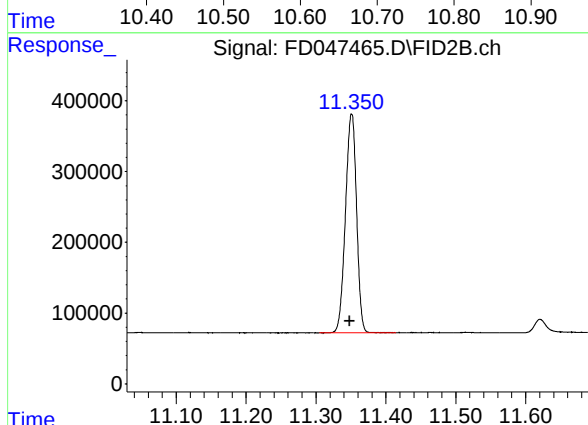
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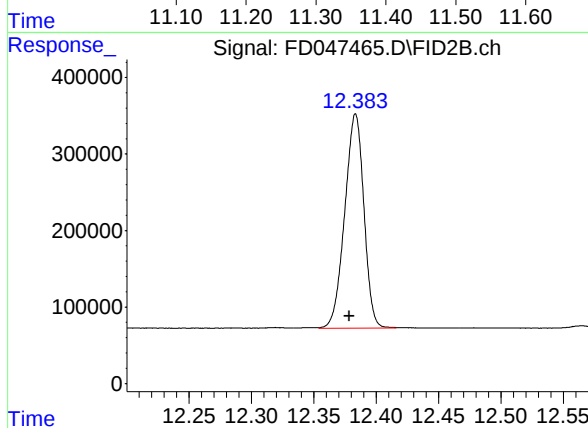
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: 0.000 min
Response: 2476956
Conc: 16.83 ug/ml



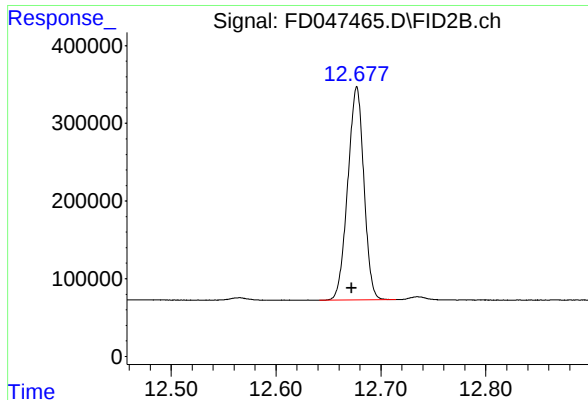
#11 ortho-Terphenyl (SURR)

R.T.: 11.351 min
Delta R.T.: 0.003 min
Response: 3410099
Conc: 18.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: 0.005 min
Response: 2998480
Conc: 18.81 ug/ml m



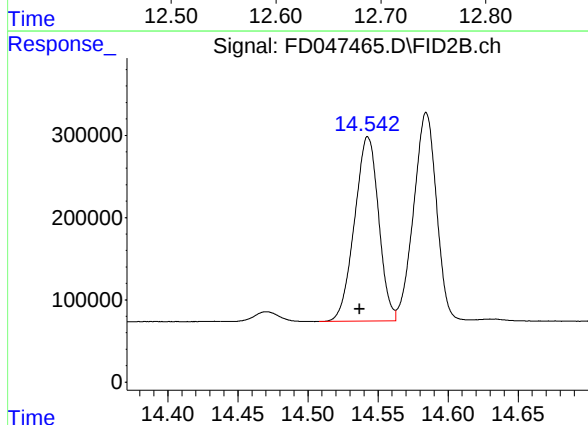
#13 Pyrene (C20.8)

R.T.: 12.677 min
Delta R.T.: 0.005 min
Response: 2929295
Conc: 18.93 ug/ml

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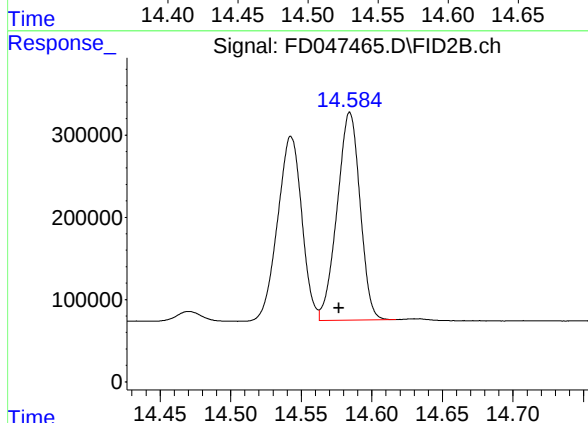
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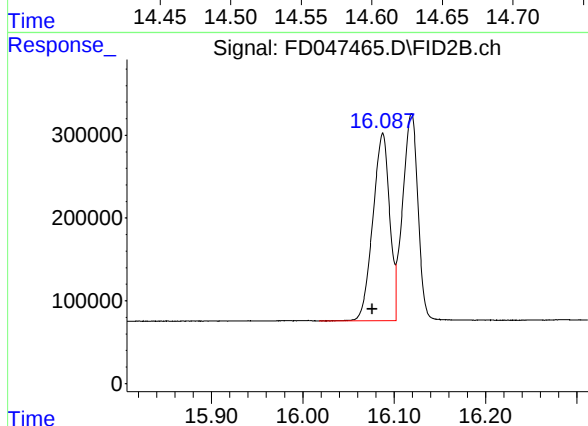
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.543 min
Delta R.T.: 0.006 min
Response: 2678910
Conc: 19.76 ug/ml



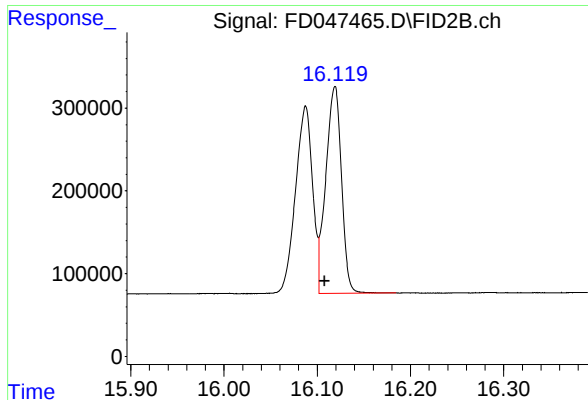
#15 Chrysene (C27.41)

R.T.: 14.584 min
Delta R.T.: 0.008 min
Response: 2853256
Conc: 19.22 ug/ml



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

R.T.: 16.087 min
Delta R.T.: 0.011 min
Response: 2878013
Conc: 20.50 ug/ml



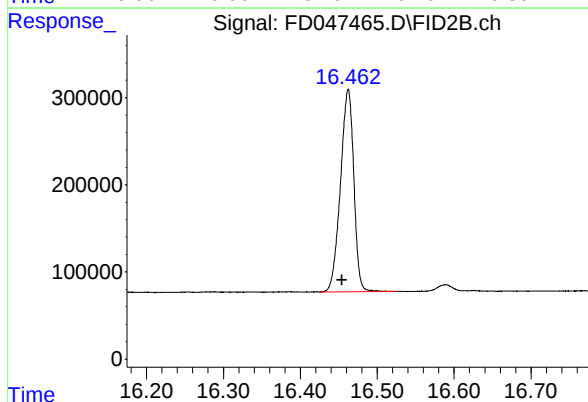
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.119 min
Delta R.T.: 0.011 min
Response: 2920279
Conc: 20.62 ug/ml

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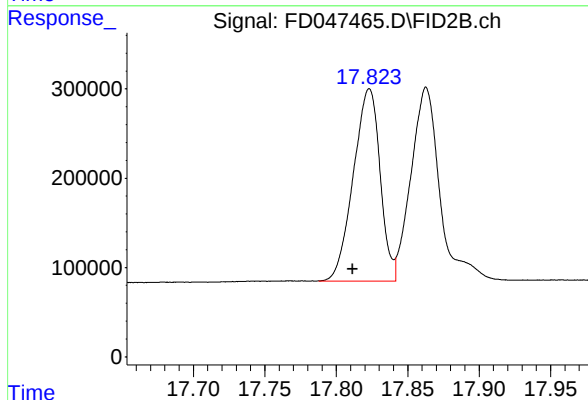
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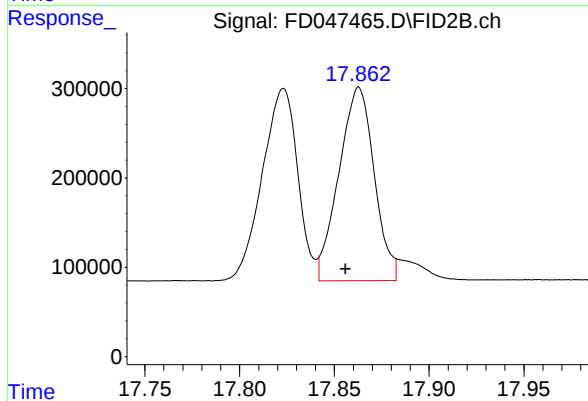
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.462 min
Delta R.T.: 0.008 min
Response: 2794791
Conc: 20.23 ug/ml



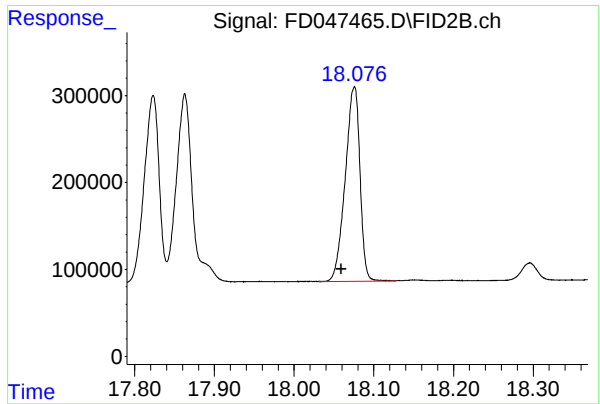
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.823 min
Delta R.T.: 0.011 min
Response: 2815999
Conc: 22.53 ug/ml m



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

R.T.: 17.862 min
Delta R.T.: 0.006 min
Response: 2785000
Conc: 21.12 ug/ml m



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

R.T.: 18.076 min
Delta R.T.: 0.017 min
Response: 2879071
Conc: 21.43 ug/ml

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