

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD073024AR\
 Data File : FD048069.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jul 2024 13:34
 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 07/31/2024
 Supervised By :Ankita Jodhani 07/31/2024

Integration File: autoint1.e
 Quant Time: Jul 31 04:52:21 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...	7.406	2998735	20.177 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
6) S 2-Fluorobiphenyl (SURR)	8.257	1951875	20.624 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.25%
11) S ortho-Terphenyl (SURR)	11.294	3415655	20.414 ug/ml
Spiked Amount 50.000		Recovery =	40.83%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.225	3359102	20.060 ug/ml
2) T Naphthalene (C11.7)	5.746	3492680	20.211 ug/ml
3) T 2-Methylnaphthalene (...)	6.793	3498511	20.168 ug/ml
5) T Acenaphthylene (C15.06)	8.060	3421691	19.967 ug/ml
7) T Acenaphthene (C15.5)	8.354	3479221	20.056 ug/ml
8) T Flouorene (C16.55)	9.133	3308656	20.371 ug/ml
9) T Phenanthrene (C19.36)	10.521	3225142	20.308 ug/ml
10) T Anthracene (C19.43)	10.596	2517676	15.945 ug/ml
12) T Fluoranthene (C21.85)	12.325	3245788	20.500 ug/ml
13) T Pyrene (C20.8)	12.619	3192648	20.190 ug/ml
14) T Benzo[a]anthracene (C...	14.487	2723095	19.945 ug/ml
15) T Chrysene (C27.41)	14.529	3074396	19.072 ug/ml
16) T benzo[b]fluoranthene ...	16.034	2896960	20.127 ug/ml
17) T Bnezo[k]fluoranthene ...	16.065	2878395	19.272 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.409	2763894	19.514 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.772	2247952	19.931 ug/mlm
20) T Dibenz[a,h]anthracene...	17.812	2979909	20.504 ug/ml
21) T Benzo[g,h,i]perylene ...	18.022	2840301	19.273 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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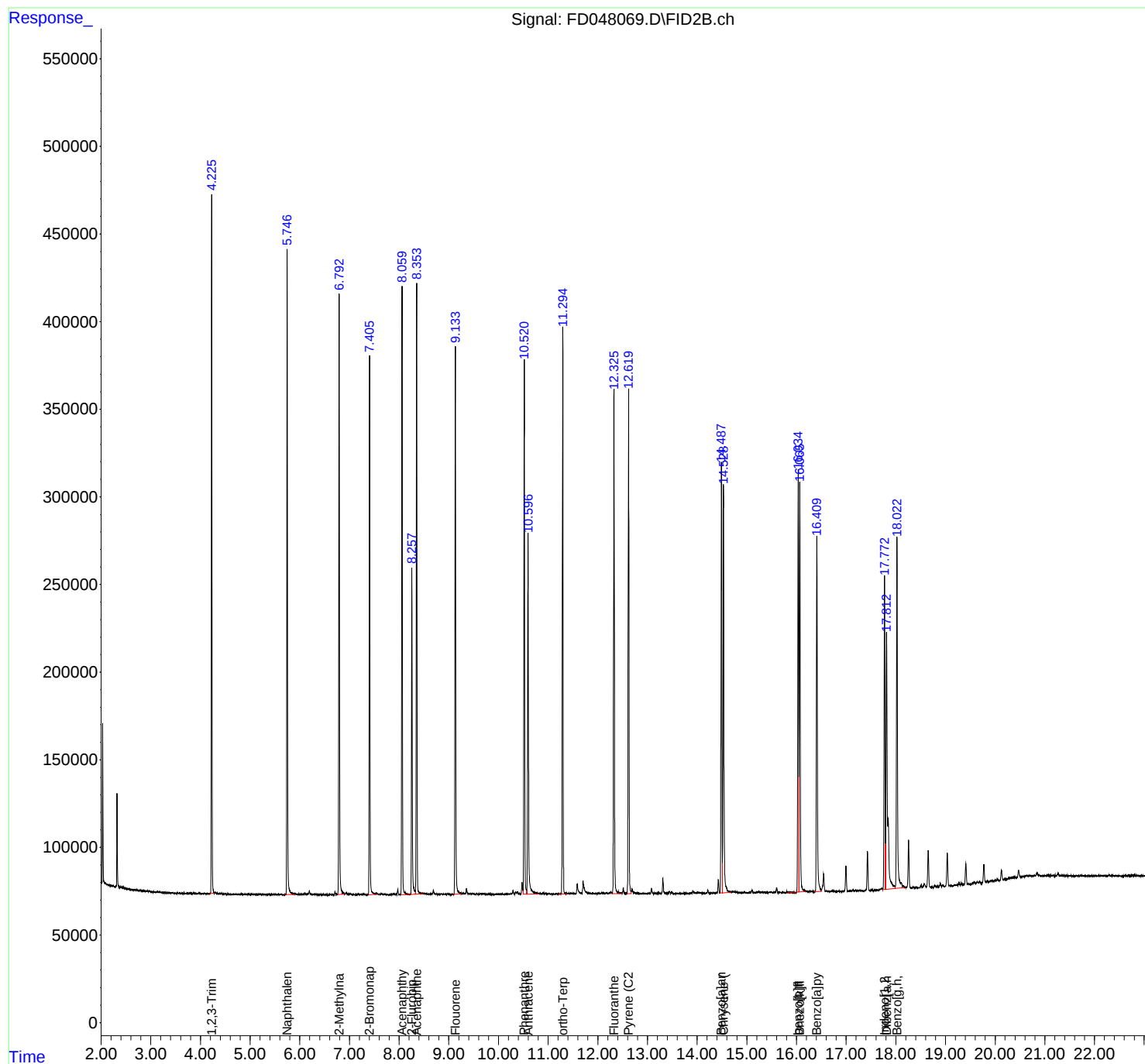
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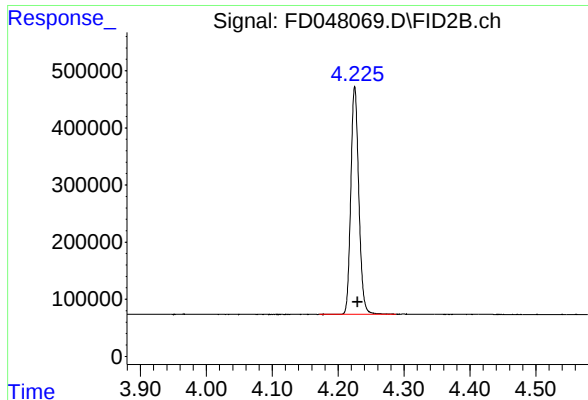
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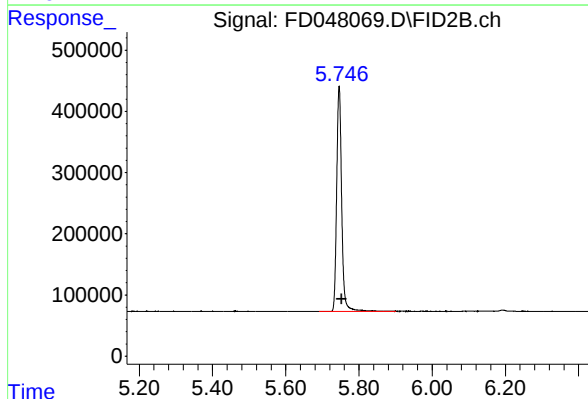
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.225 min
Delta R.T.: -0.005 min
Response: 3359102
Conc: 20.06 ug/ml

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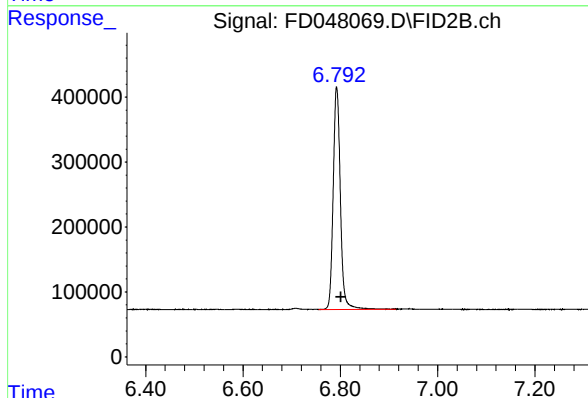
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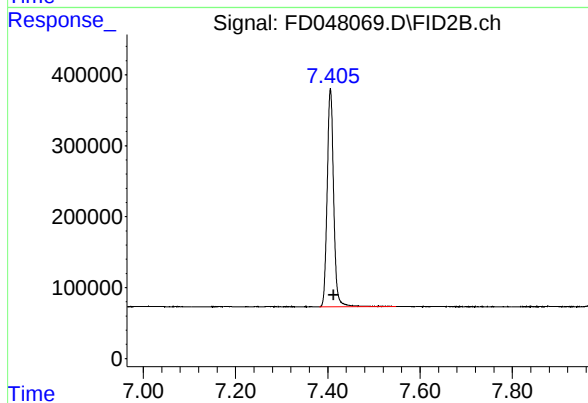
#2 Naphthalene (C11.7)

R.T.: 5.746 min
Delta R.T.: -0.007 min
Response: 3492680
Conc: 20.21 ug/ml



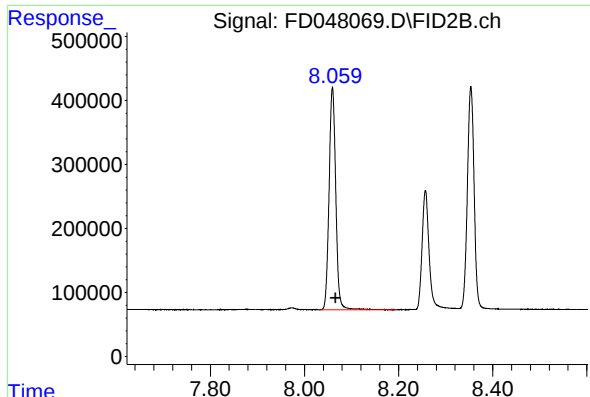
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.793 min
Delta R.T.: -0.008 min
Response: 3498511
Conc: 20.17 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.406 min
Delta R.T.: -0.008 min
Response: 2998735
Conc: 20.18 ug/ml



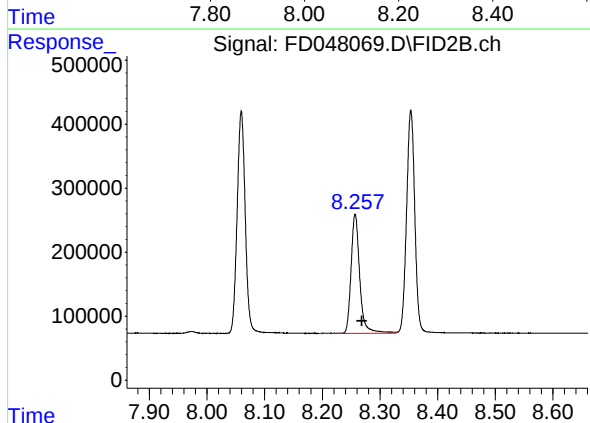
#5 Acenaphthylene (C15.06)

R.T.: 8.060 min
Delta R.T.: -0.007 min
Response: 3421691
Conc: 19.97 ug/ml

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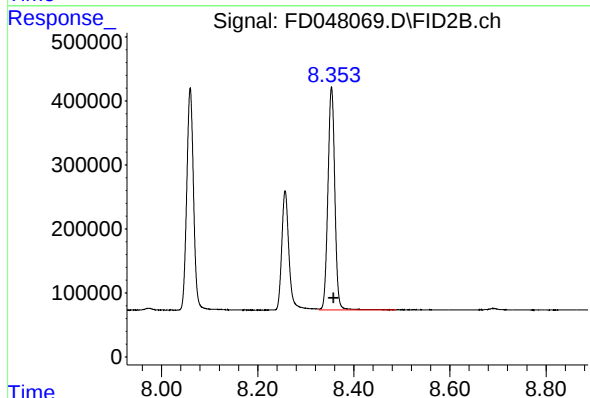
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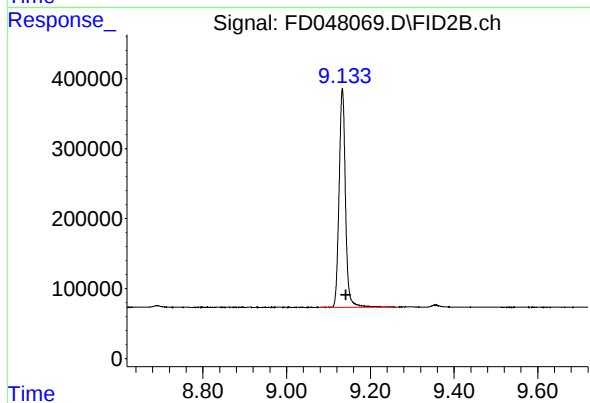
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.257 min
Delta R.T.: -0.012 min
Response: 1951875
Conc: 20.62 ug/ml



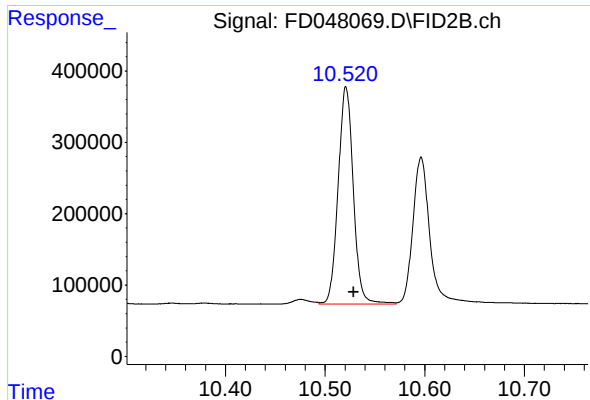
#7 Acenaphthene (C15.5)

R.T.: 8.354 min
Delta R.T.: -0.005 min
Response: 3479221
Conc: 20.06 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.133 min
Delta R.T.: -0.009 min
Response: 3308656
Conc: 20.37 ug/ml



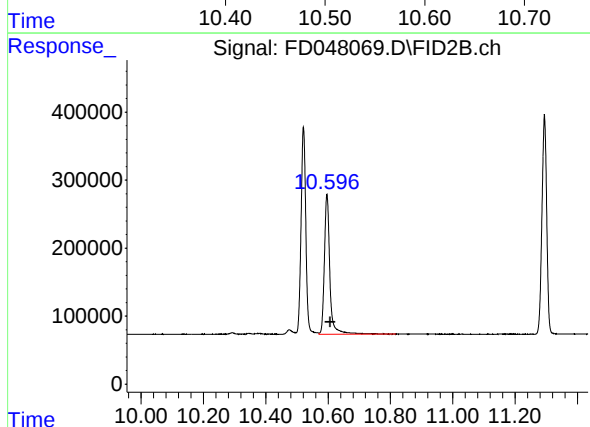
#9 Phenanthrene (C19.36)

R.T.: 10.521 min
Delta R.T.: -0.008 min
Response: 3225142
Conc: 20.31 ug/ml

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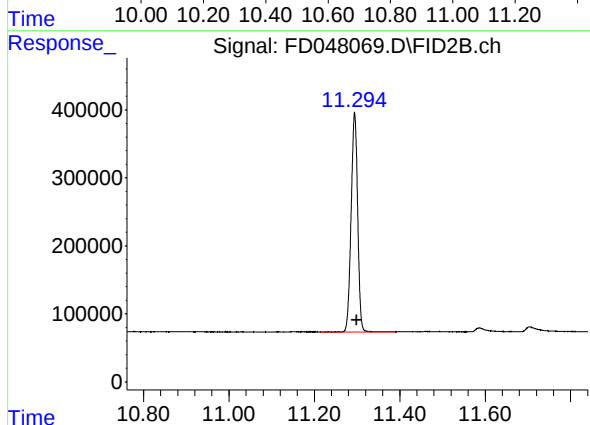
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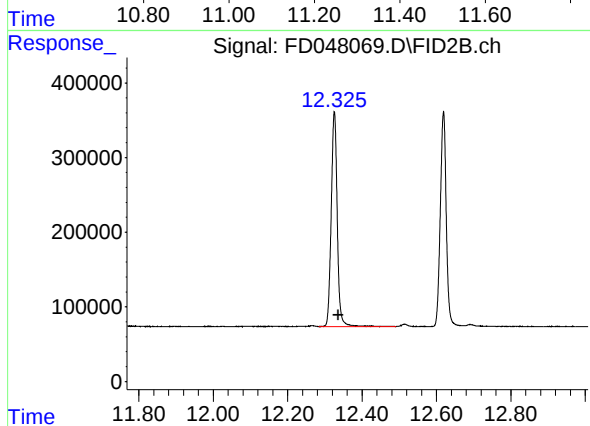
#10 Anthracene (C19.43)

R.T.: 10.596 min
Delta R.T.: -0.011 min
Response: 2517676
Conc: 15.94 ug/ml



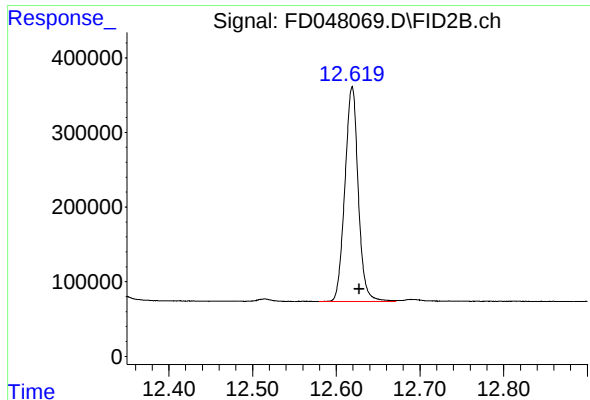
#11 ortho-Terphenyl (SURR)

R.T.: 11.294 min
Delta R.T.: -0.004 min
Response: 3415655
Conc: 20.41 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.325 min
Delta R.T.: -0.010 min
Response: 3245788
Conc: 20.50 ug/ml



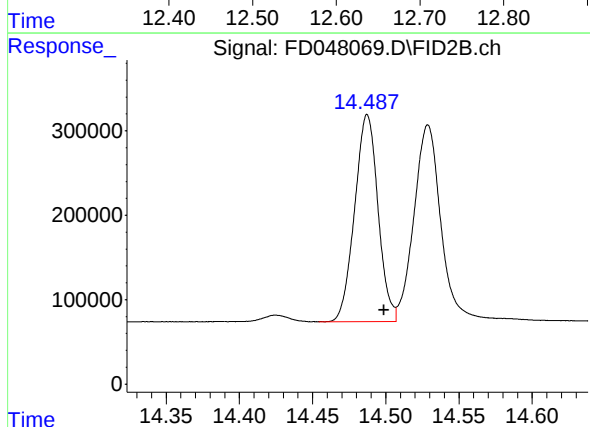
#13 Pyrene (C20.8)

R.T.: 12.619 min
Delta R.T.: -0.009 min
Response: 3192648
Conc: 20.19 ug/ml

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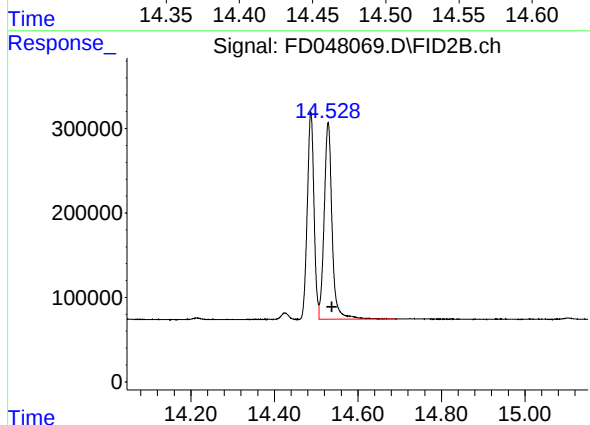
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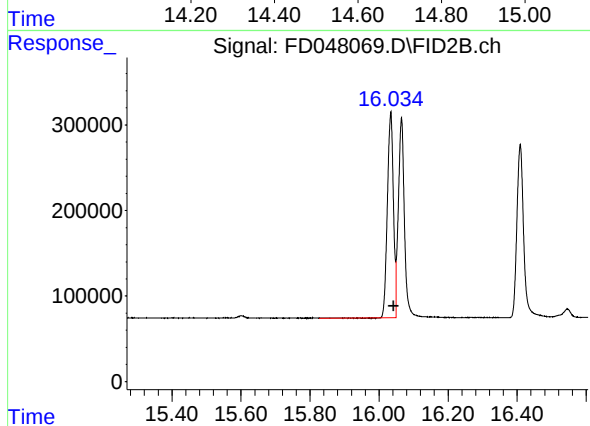
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.487 min
Delta R.T.: -0.012 min
Response: 2723095
Conc: 19.95 ug/ml



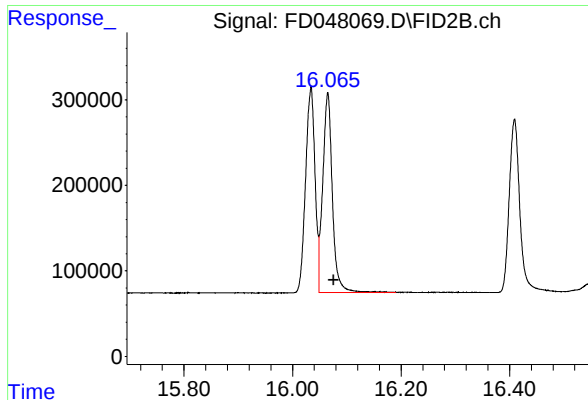
#15 Chrysene (C27.41)

R.T.: 14.529 min
Delta R.T.: -0.009 min
Response: 3074396
Conc: 19.07 ug/ml



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

R.T.: 16.034 min
Delta R.T.: -0.009 min
Response: 2896960
Conc: 20.13 ug/ml



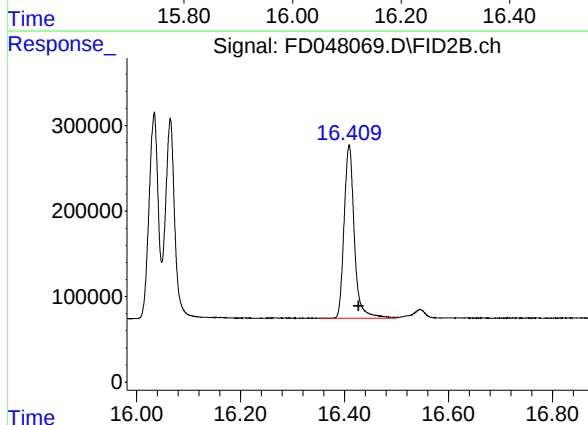
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.065 min
Delta R.T.: -0.011 min
Response: 2878395
Conc: 19.27 ug/ml

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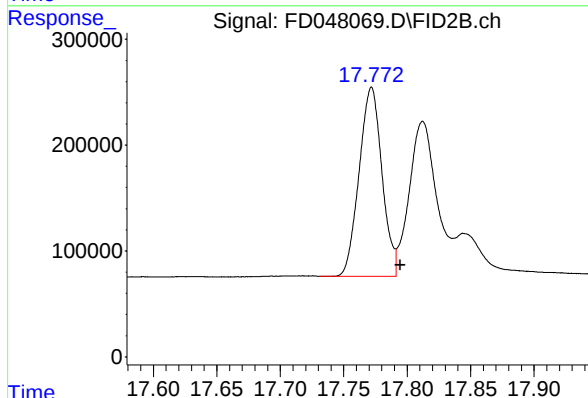
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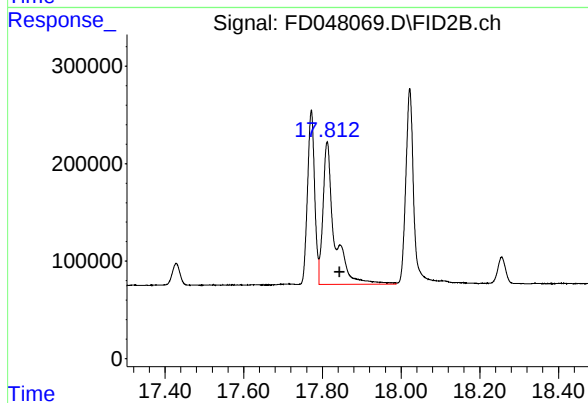
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.409 min
Delta R.T.: -0.018 min
Response: 2763894
Conc: 19.51 ug/ml



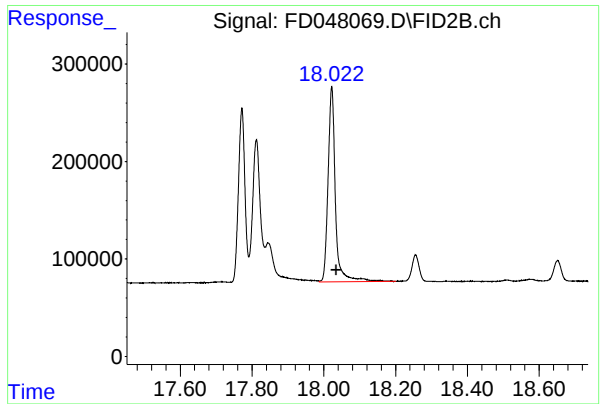
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.772 min
Delta R.T.: -0.023 min
Response: 2247952
Conc: 19.93 ug/ml m



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

R.T.: 17.812 min
Delta R.T.: -0.032 min
Response: 2979909
Conc: 20.50 ug/ml



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

R.T.: 18.022 min
Delta R.T.: -0.013 min
Response: 2840301
Conc: 19.27 ug/ml

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