

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015532.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 11:27
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/27/2025

Integration File: autoint1.e
 Quant Time: Feb 26 12:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:36:06 2025
 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...	7.997	2223183	19.097 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
6) S 2-Fluorobiphenyl (SURR)	8.873	1393028	19.556 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.11%
11) S ortho-Terphenyl (SURR)	11.932	2758671	18.753 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.604	2444721	18.937 ug/ml
2) T Naphthalene (C11.7)	6.275	2428126	19.025 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	2417949	19.096 ug/ml
5) T Acenaphthylene (C15.06)	8.671	2656254	18.791 ug/ml
7) T Acenaphthene (C15.5)	8.969	2656870	18.654 ug/ml
8) T Fluorene (C16.55)	9.760	2532143	19.030 ug/ml
9) T Phenanthrene (C19.36)	11.167	2491796	19.156 ug/ml
10) T Anthracene (C19.43)	11.242	2419377	19.316 ug/ml
12) T Fluoranthene (C21.85)	12.988	2674844	18.941 ug/ml
13) T Pyrene (C20.8)	13.286	2753238	19.151 ug/ml
14) T Benzo[a]anthracene (C...	15.169	2379295	20.255 ug/ml
15) T Chrysene (C27.41)	15.211	2846808	19.060 ug/ml
16) T benzo[b]fluoranthene ...	16.729	2598123	19.949 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	2873167	19.255 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.111	2501469	19.711 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.484	1945146	19.004 ug/ml
20) T Dibenz[a,h]anthracene...	18.524	2639296	20.413 ug/ml
21) T Benzo[g,h,i]perylene ...	18.738	2475509	19.893 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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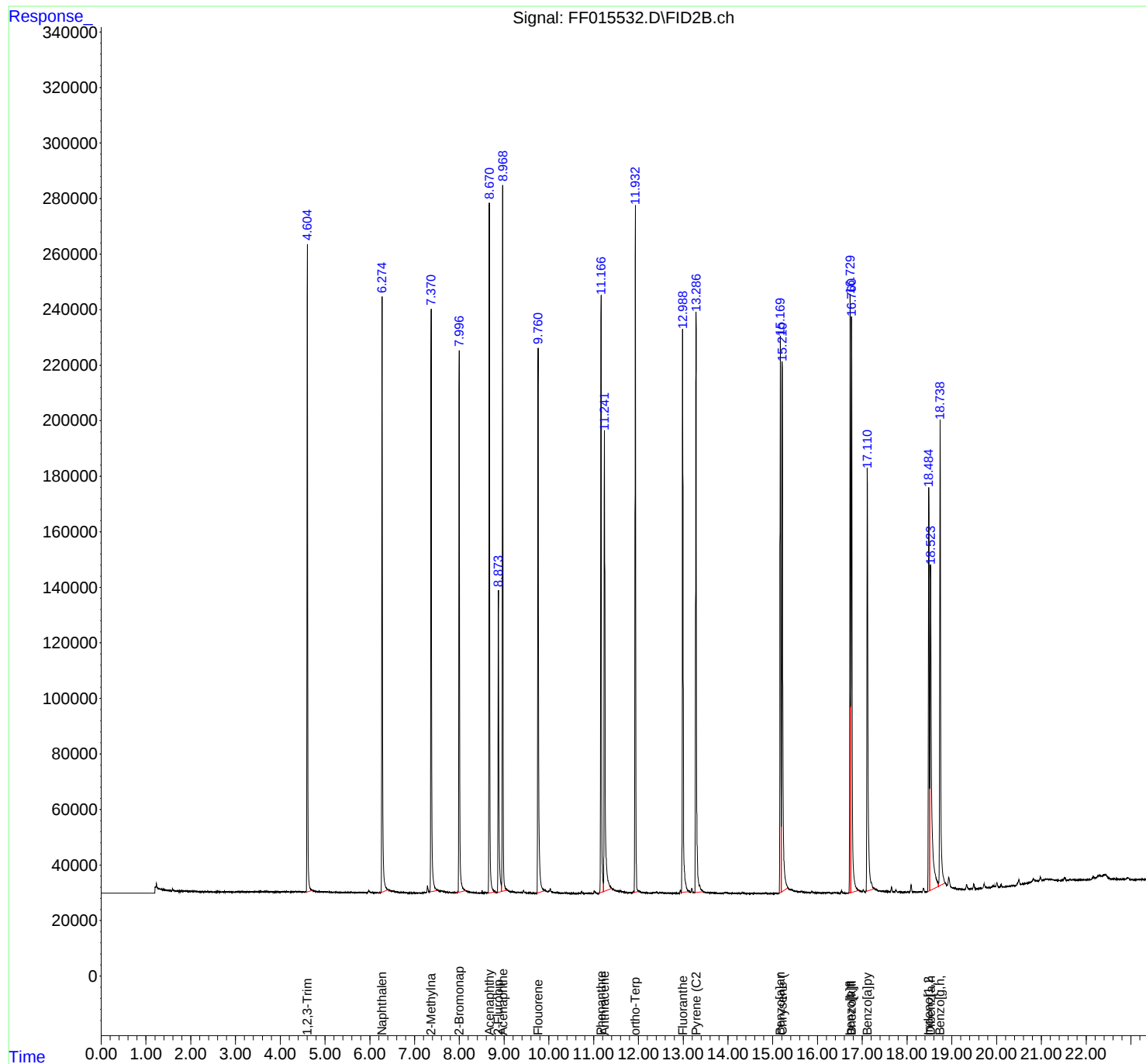
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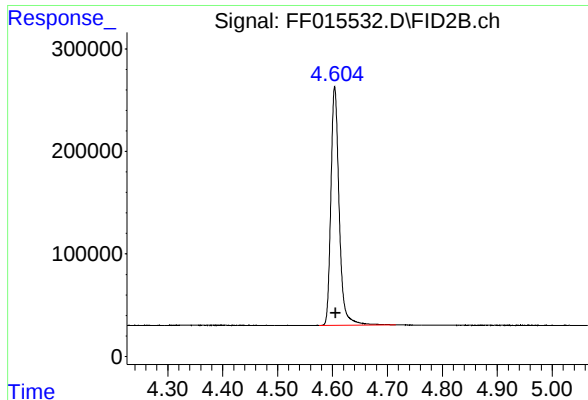
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.604 min
Delta R.T.: -0.002 min
Response: 2444721
Conc: 18.94 ug/ml

Instrument :

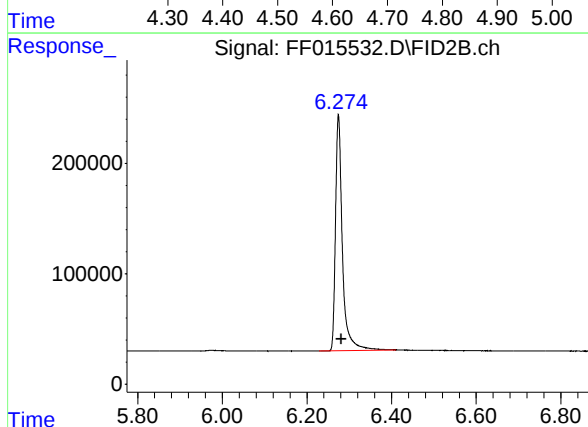
FID_F

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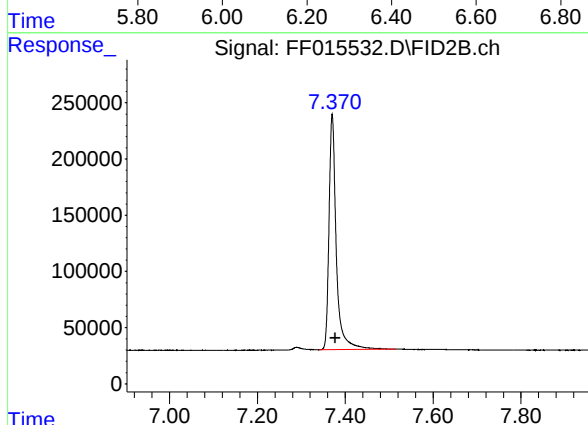
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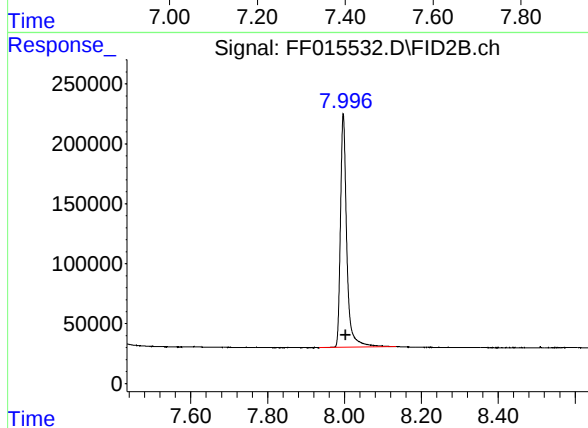
#2 Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.006 min
Response: 2428126
Conc: 19.03 ug/ml



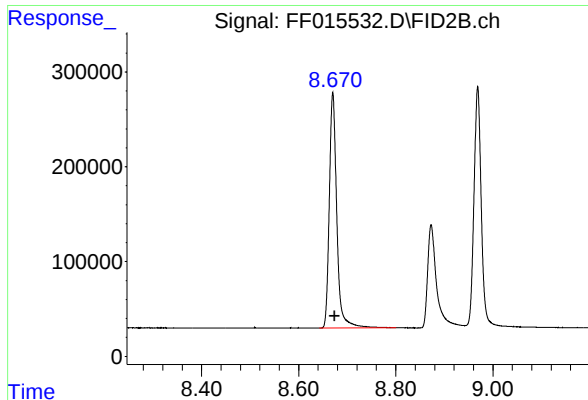
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.007 min
Response: 2417949
Conc: 19.10 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: -0.006 min
Response: 2223183
Conc: 19.10 ug/ml



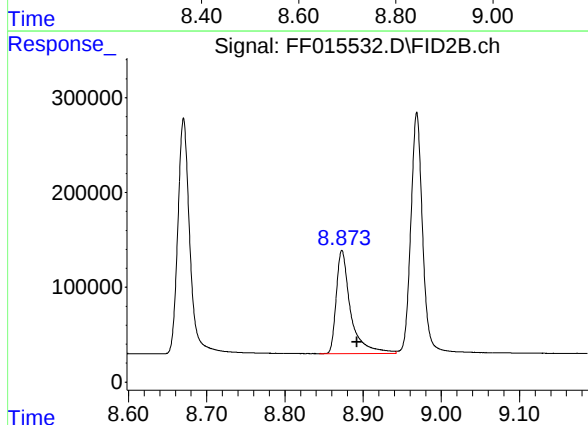
#5 Acenaphthylene (C15.06)

R.T.: 8.671 min
Delta R.T.: -0.004 min
Response: 2656254
Conc: 18.79 ug/ml

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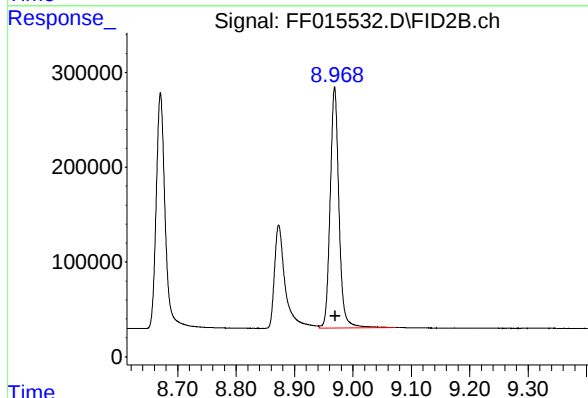
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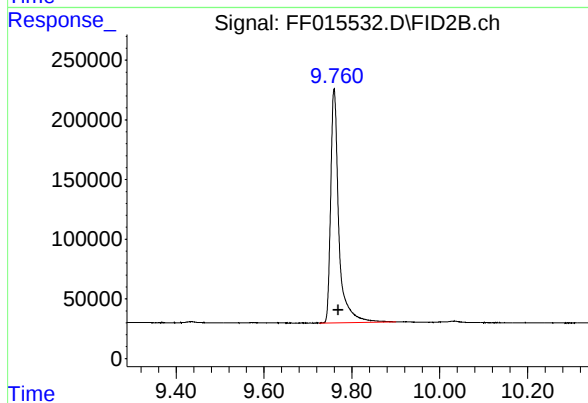
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: -0.019 min
Response: 1393028
Conc: 19.56 ug/ml



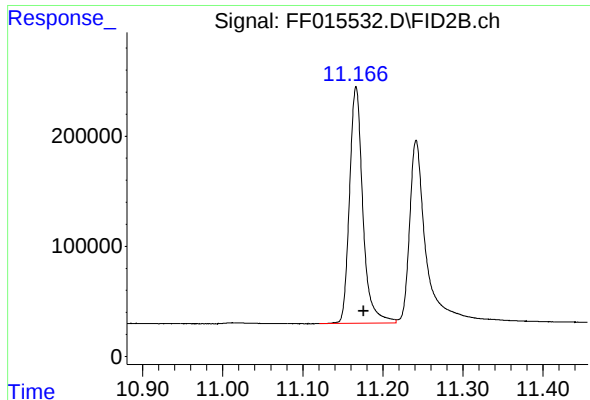
#7 Acenaphthene (C15.5)

R.T.: 8.969 min
Delta R.T.: -0.001 min
Response: 2656870
Conc: 18.65 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: -0.009 min
Response: 2532143
Conc: 19.03 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.167 min
Delta R.T.: -0.010 min
Response: 2491796
Conc: 19.16 ug/ml

Instrument :

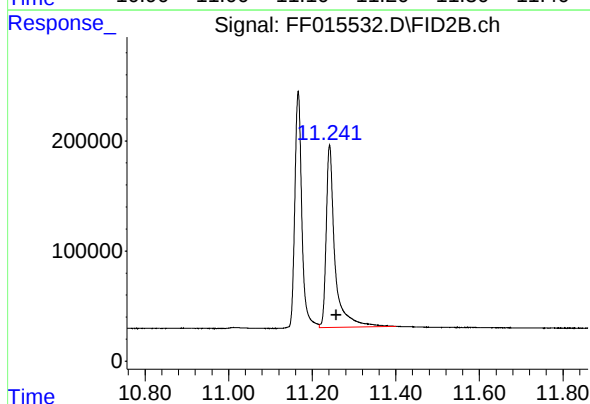
FID_F

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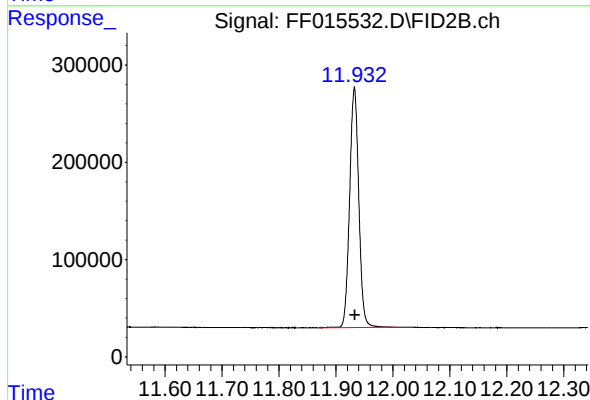
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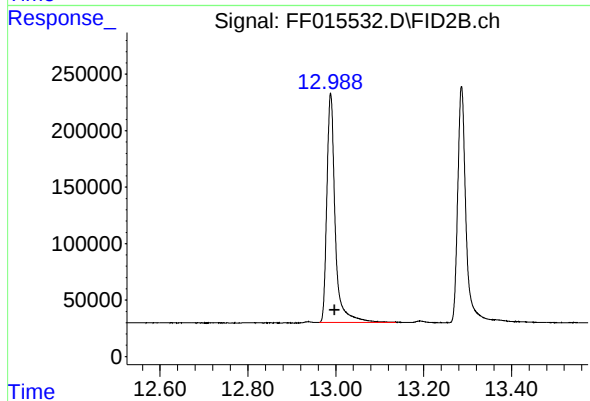
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: -0.016 min
Response: 2419377
Conc: 19.32 ug/ml



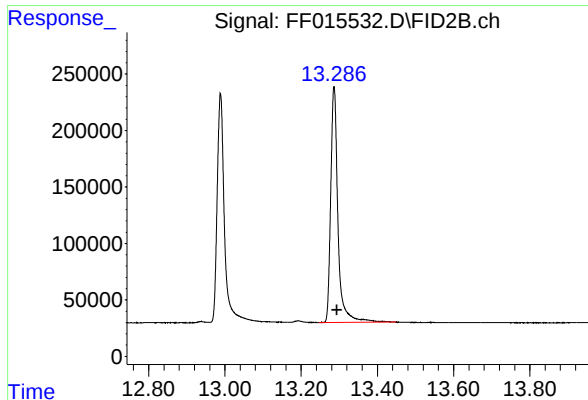
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.001 min
Response: 2758671
Conc: 18.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.988 min
Delta R.T.: -0.010 min
Response: 2674844
Conc: 18.94 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.286 min
Delta R.T.: -0.007 min
Response: 2753238
Conc: 19.15 ug/ml

Instrument :

FID_F

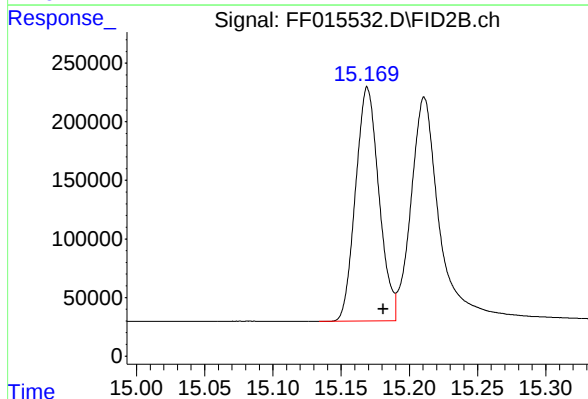
ClientSampleId :

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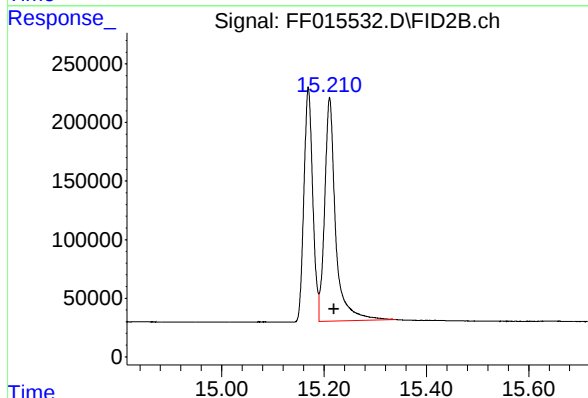
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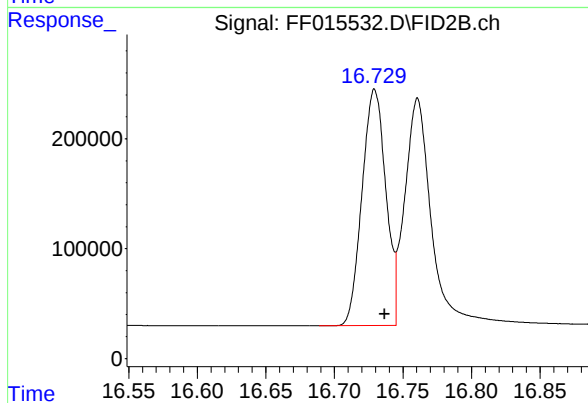
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: -0.012 min
Response: 2379295
Conc: 20.26 ug/ml



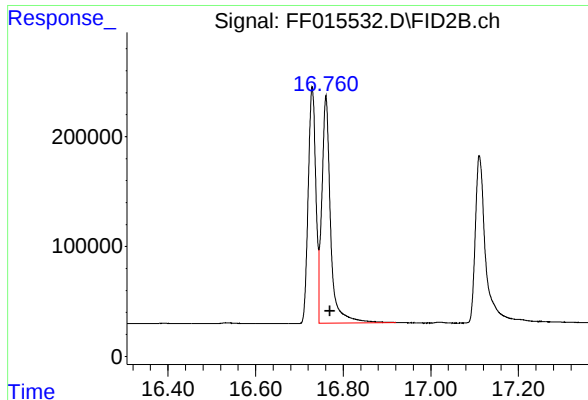
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: -0.009 min
Response: 2846808
Conc: 19.06 ug/ml



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

R.T.: 16.729 min
Delta R.T.: -0.007 min
Response: 2598123
Conc: 19.95 ug/ml



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

R.T.: 16.761 min
Delta R.T.: -0.009 min
Response: 2873167
Conc: 19.26 ug/ml

Instrument :

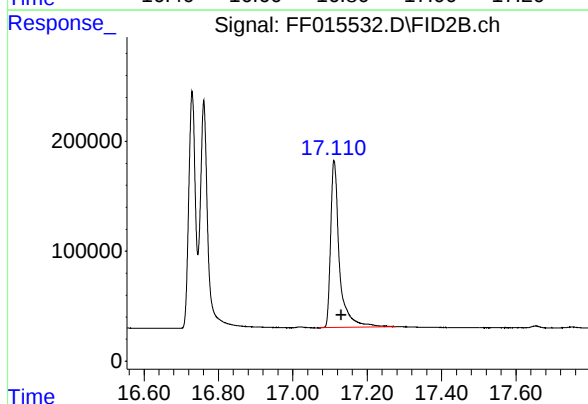
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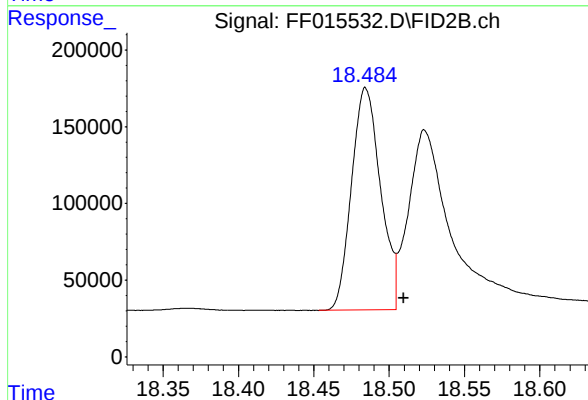
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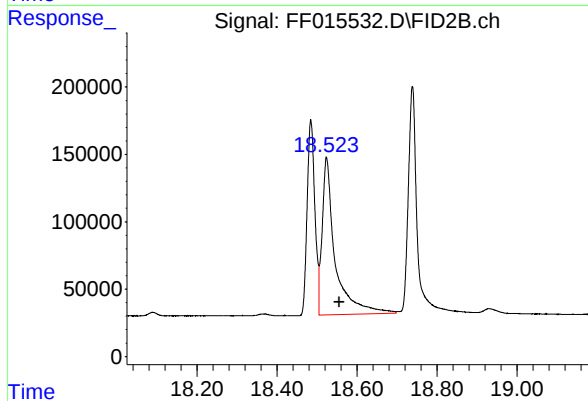
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.111 min
Delta R.T.: -0.019 min
Response: 2501469
Conc: 19.71 ug/ml



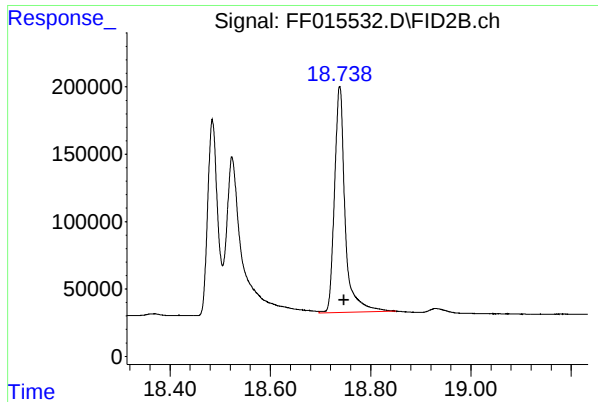
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.484 min
Delta R.T.: -0.026 min
Response: 1945146
Conc: 19.00 ug/ml m



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

R.T.: 18.524 min
Delta R.T.: -0.031 min
Response: 2639296
Conc: 20.41 ug/ml



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

R.T.: 18.738 min
Delta R.T.: -0.009 min
Response: 2475509
Conc: 19.89 ug/ml

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