

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF100225AR\
 Data File : FF016517.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 15:21
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e
 Quant Time: Oct 03 04:06:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 04:05:38 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...	8.030	11833658	109.424 ug/ml
Spiked Amount 50.000		Recovery =	218.85%
6) S 2-Fluorobiphenyl (SURR)	8.908	8207802	112.839 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	225.68%#
11) S ortho-Terphenyl (SURR)	11.977	14237485	106.044 ug/ml
Spiked Amount 50.000		Recovery =	212.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.622	12838503	106.542 ug/ml
2) T Naphthalene (C11.7)	6.301	13620706	109.082 ug/ml
3) T 2-Methylnaphthalene (...)	7.402	13880553	109.182 ug/ml
5) T Acenaphthylene (C15.06)	8.709	13825825	108.804 ug/ml
7) T Acenaphthene (C15.5)	9.010	13828101	109.204 ug/ml
8) T Flouorene (C16.55)	9.800	13819838	109.250 ug/ml
9) T Phenanthrene (C19.36)	11.209	13956122	109.129 ug/ml
10) T Anthracene (C19.43)	11.286	13029707	103.310 ug/ml
12) T Fluoranthene (C21.85)	13.037	14068070	108.360 ug/ml
13) T Pyrene (C20.8)	13.336	13934943	110.862 ug/ml
14) T Benzo[a]anthracene (C...	15.221	13459819	112.374 ug/ml
15) T Chrysene (C27.41)	15.271	13619011	105.323 ug/mlm
16) T benzo[b]fluoranthene ...	16.785	13080676	111.768 ug/ml
17) T Bnezo[k]fluoranthene ...	16.826	12333221	105.970 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.170	12379790	107.868 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.548	11557570	118.138 ug/ml
20) T Dibenz[a,h]anthracene...	18.588	11571790	94.925 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.810	11618206	107.845 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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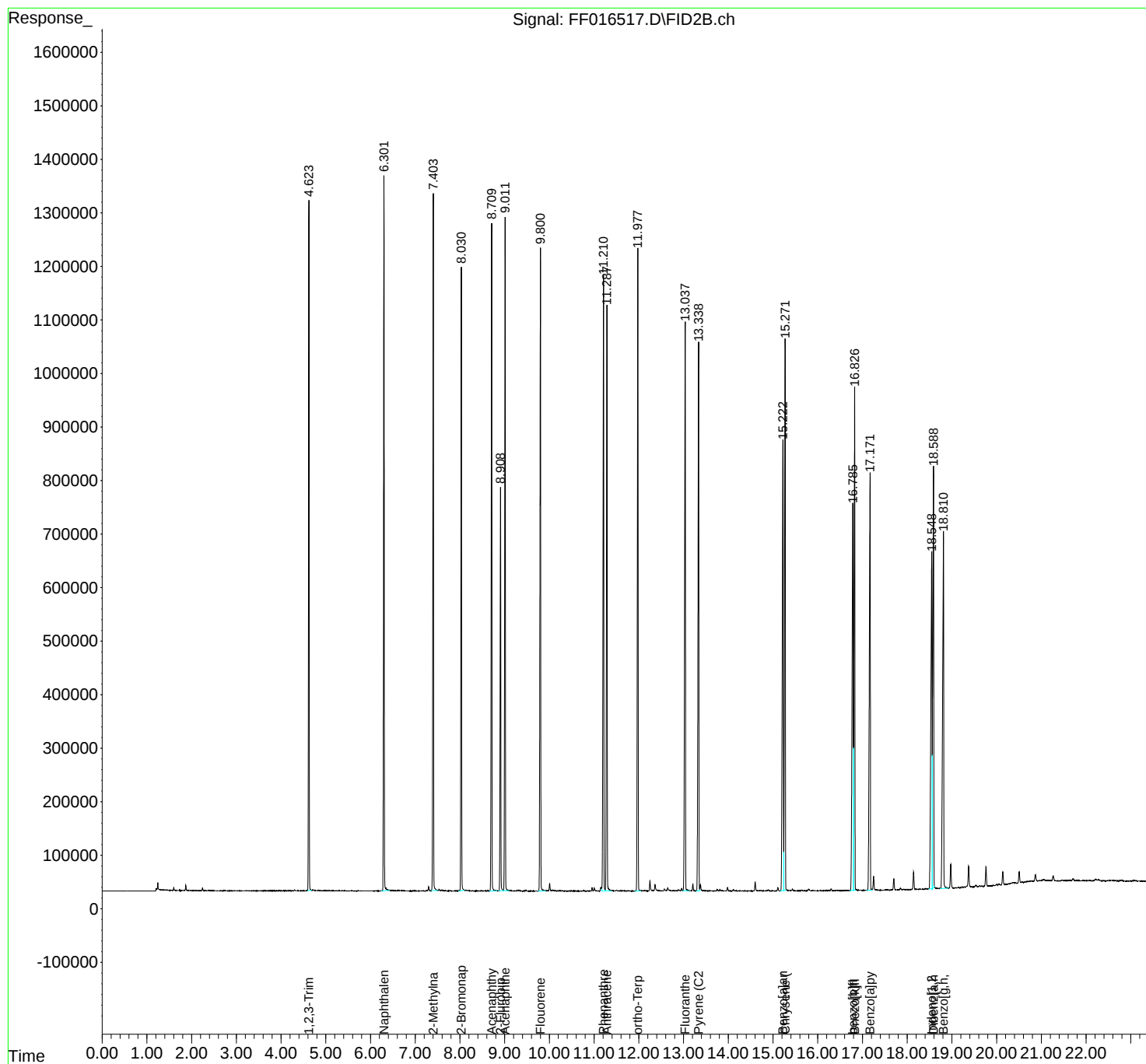
Instrument :
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100 PPM AROMATIC HC STD1

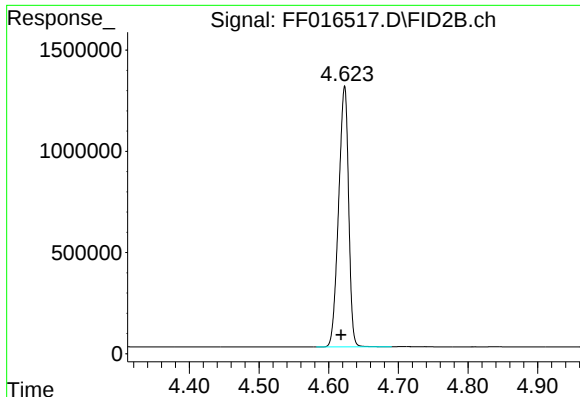
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.622 min
Delta R.T.: 0.004 min
Response: 12838503
Conc: 106.54 ug/ml

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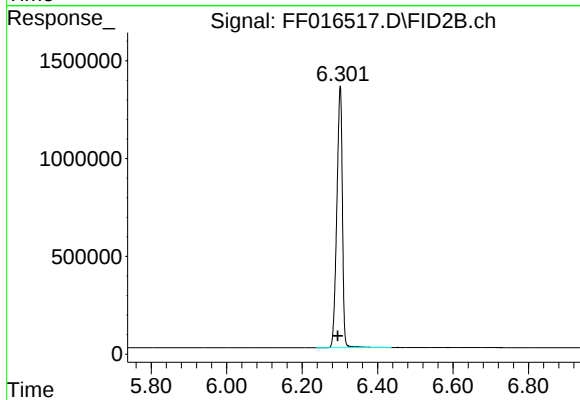
100 PPM AROMATIC HC STD1

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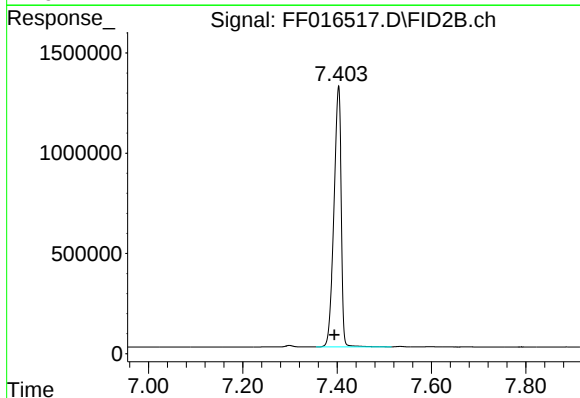
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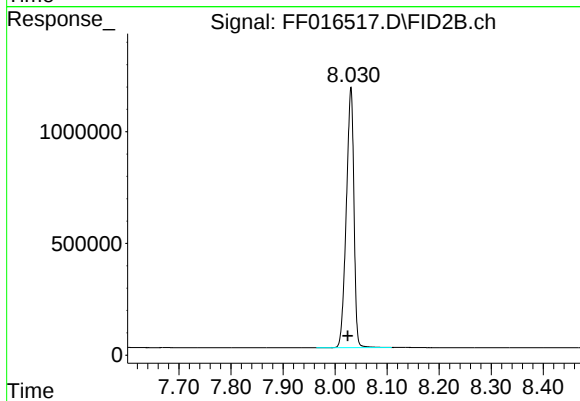
#2 Naphthalene (C11.7)

R.T.: 6.301 min
Delta R.T.: 0.006 min
Response: 13620706
Conc: 109.08 ug/ml



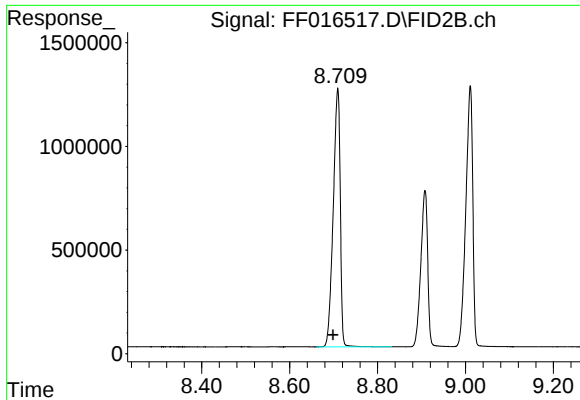
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.402 min
Delta R.T.: 0.008 min
Response: 13880553
Conc: 109.18 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.030 min
Delta R.T.: 0.006 min
Response: 11833658
Conc: 109.42 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.709 min
Delta R.T.: 0.010 min
Response: 13825825
Conc: 108.80 ug/ml

Instrument :

FID_F

ClientSampleId :

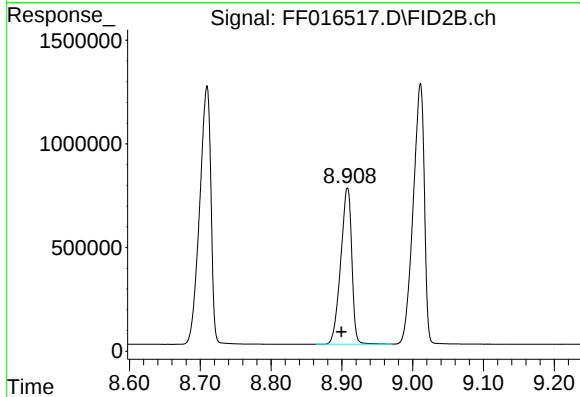
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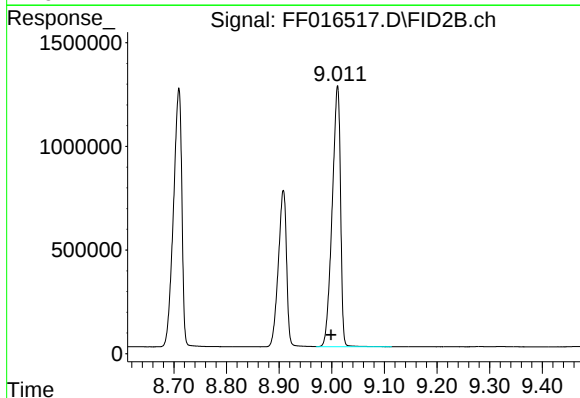
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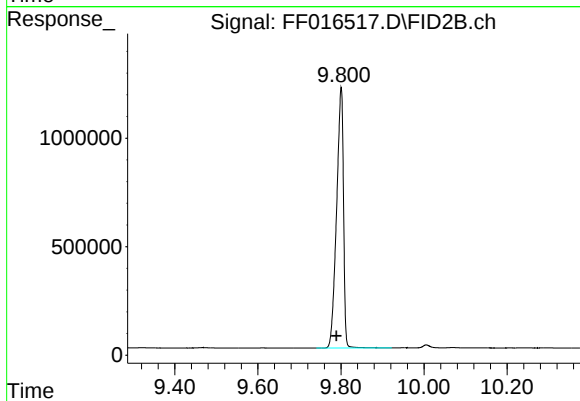
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.908 min
Delta R.T.: 0.008 min
Response: 8207802
Conc: 112.84 ug/ml



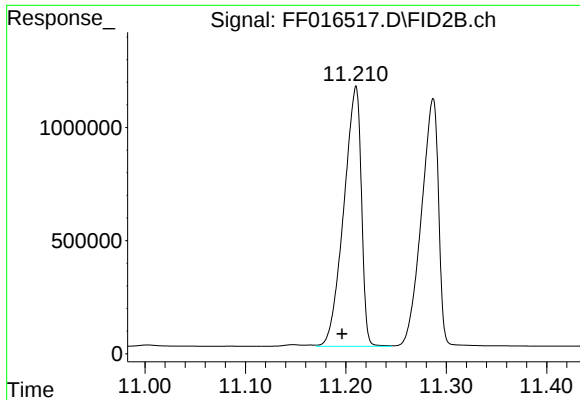
#7 Acenaphthene (C15.5)

R.T.: 9.010 min
Delta R.T.: 0.012 min
Response: 13828101
Conc: 109.20 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.800 min
Delta R.T.: 0.011 min
Response: 13819838
Conc: 109.25 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.209 min
Delta R.T.: 0.013 min
Response: 13956122
Conc: 109.13 ug/ml

Instrument :

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ClientSampleId :

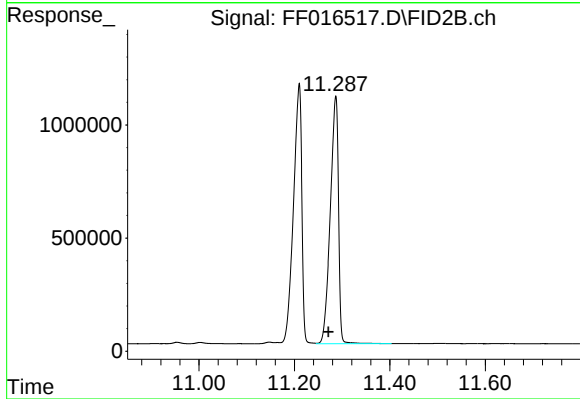
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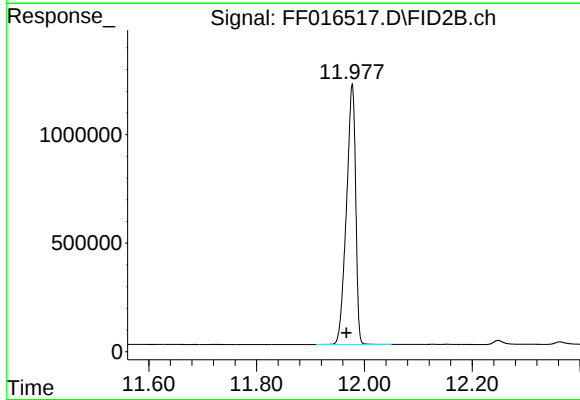
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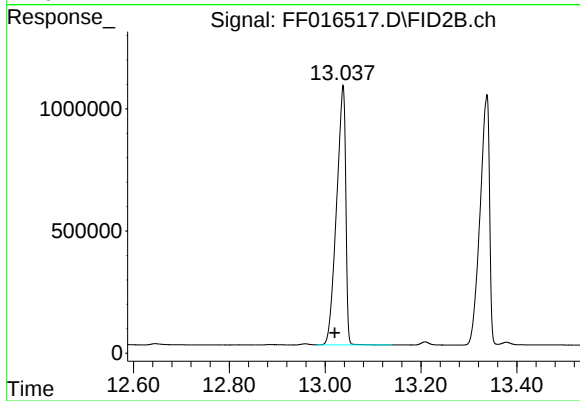
#10 Anthracene (C19.43)

R.T.: 11.286 min
Delta R.T.: 0.015 min
Response: 13029707
Conc: 103.31 ug/ml



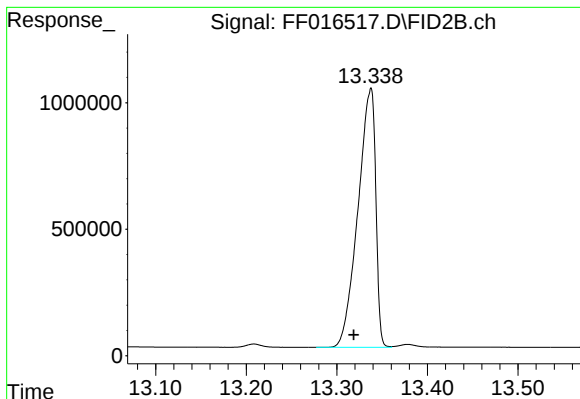
#11 ortho-Terphenyl (SURR)

R.T.: 11.977 min
Delta R.T.: 0.011 min
Response: 14237485
Conc: 106.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.037 min
Delta R.T.: 0.017 min
Response: 14068070
Conc: 108.36 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.336 min
Delta R.T.: 0.018 min
Response: 13934943
Conc: 110.86 ug/ml

Instrument :

FID_F

ClientSampleId :

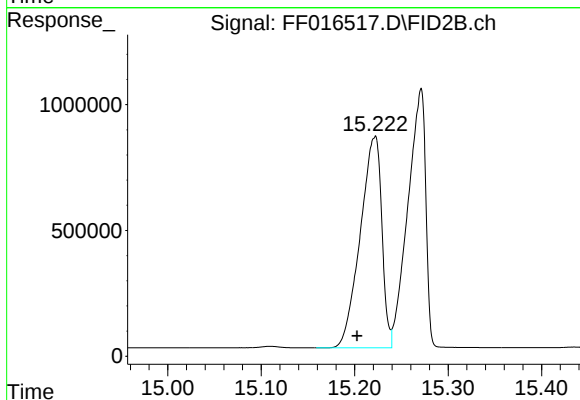
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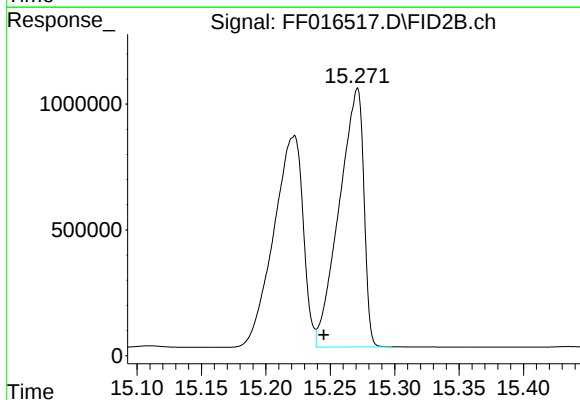
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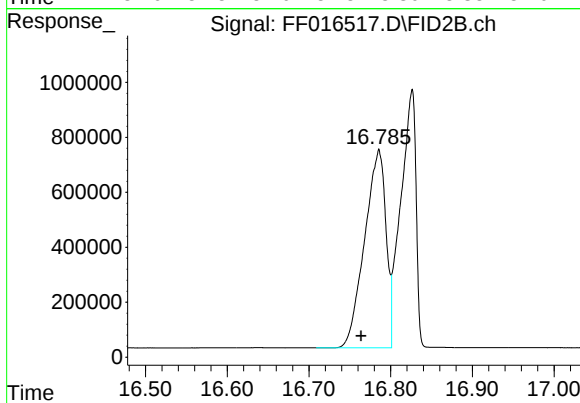
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.221 min
Delta R.T.: 0.018 min
Response: 13459819
Conc: 112.37 ug/ml



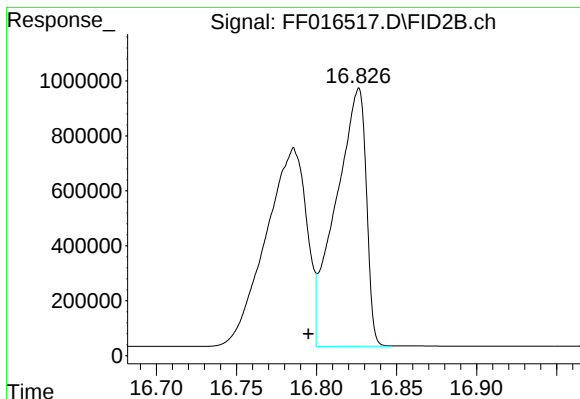
#15 Chrysene (C27.41)

R.T.: 15.271 min
Delta R.T.: 0.026 min
Response: 13619011
Conc: 105.32 ug/ml m



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

R.T.: 16.785 min
Delta R.T.: 0.022 min
Response: 13080676
Conc: 111.77 ug/ml



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

R.T.: 16.826 min
Delta R.T.: 0.031 min
Response: 12333221
Conc: 105.97 ug/ml

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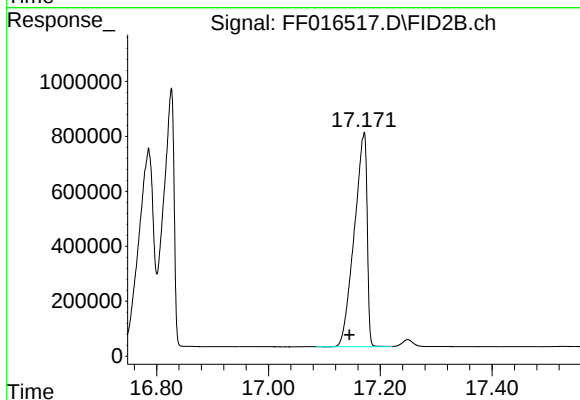
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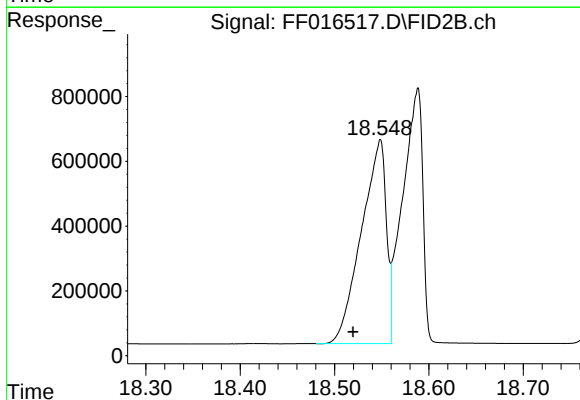
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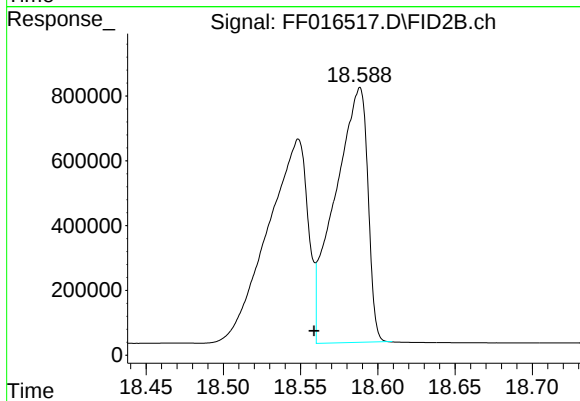
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.170 min
Delta R.T.: 0.025 min
Response: 12379790
Conc: 107.87 ug/ml



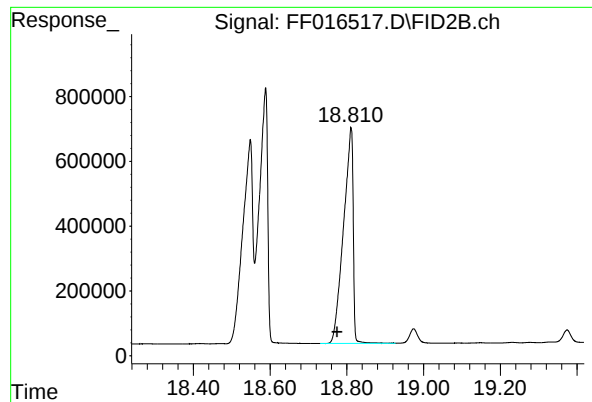
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.548 min
Delta R.T.: 0.028 min
Response: 11557570
Conc: 118.14 ug/ml



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

R.T.: 18.588 min
Delta R.T.: 0.030 min
Response: 11571790
Conc: 94.92 ug/ml m



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

R.T.: 18.810 min
Delta R.T.: 0.035 min
Response: 11618206
Conc: 107.84 ug/ml

Instrument :

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