

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG013025AR\
 Data File : FG015240.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jan 2025 05:44
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 07:33:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 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...	7.980	3011846	22.817 ug/ml
Spiked Amount 50.000		Recovery =	45.63%
6) S 2-Fluorobiphenyl (SURR)	8.856	2048026	24.263 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	48.53%
11) S ortho-Terphenyl (SURR)	11.934	3396012	19.728 ug/ml
Spiked Amount 50.000		Recovery =	39.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.572	3207271	19.995 ug/ml
2) T Naphthalene (C11.7)	6.249	3358914	20.949 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	3318427	20.868 ug/ml
5) T Acenaphthylene (C15.06)	8.656	3367652	21.194 ug/ml
7) T Acenaphthene (C15.5)	8.957	3318086	20.349 ug/ml
8) T Flouorene (C16.55)	9.749	3360288	21.341 ug/ml
9) T Phenanthrene (C19.36)	11.160	3239876	20.292 ug/ml
10) T Anthracene (C19.43)	11.234	2734280	18.520 ug/ml
12) T Fluoranthene (C21.85)	12.987	3213496	19.425 ug/ml
13) T Pyrene (C20.8)	13.286	3182806	19.650 ug/ml
14) T Benzo[a]anthracene (C...	15.172	2943671	19.732 ug/ml
15) T Chrysene (C27.41)	15.215	2972447	19.136 ug/ml
16) T benzo[b]fluoranthene ...	16.733	3007380	20.322 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	3009349	21.284 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.114	2845222	20.025 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	2780559	22.066 ug/ml
20) T Dibenz[a,h]anthracene...	18.530	3242047	21.913 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.745	2947811	21.837 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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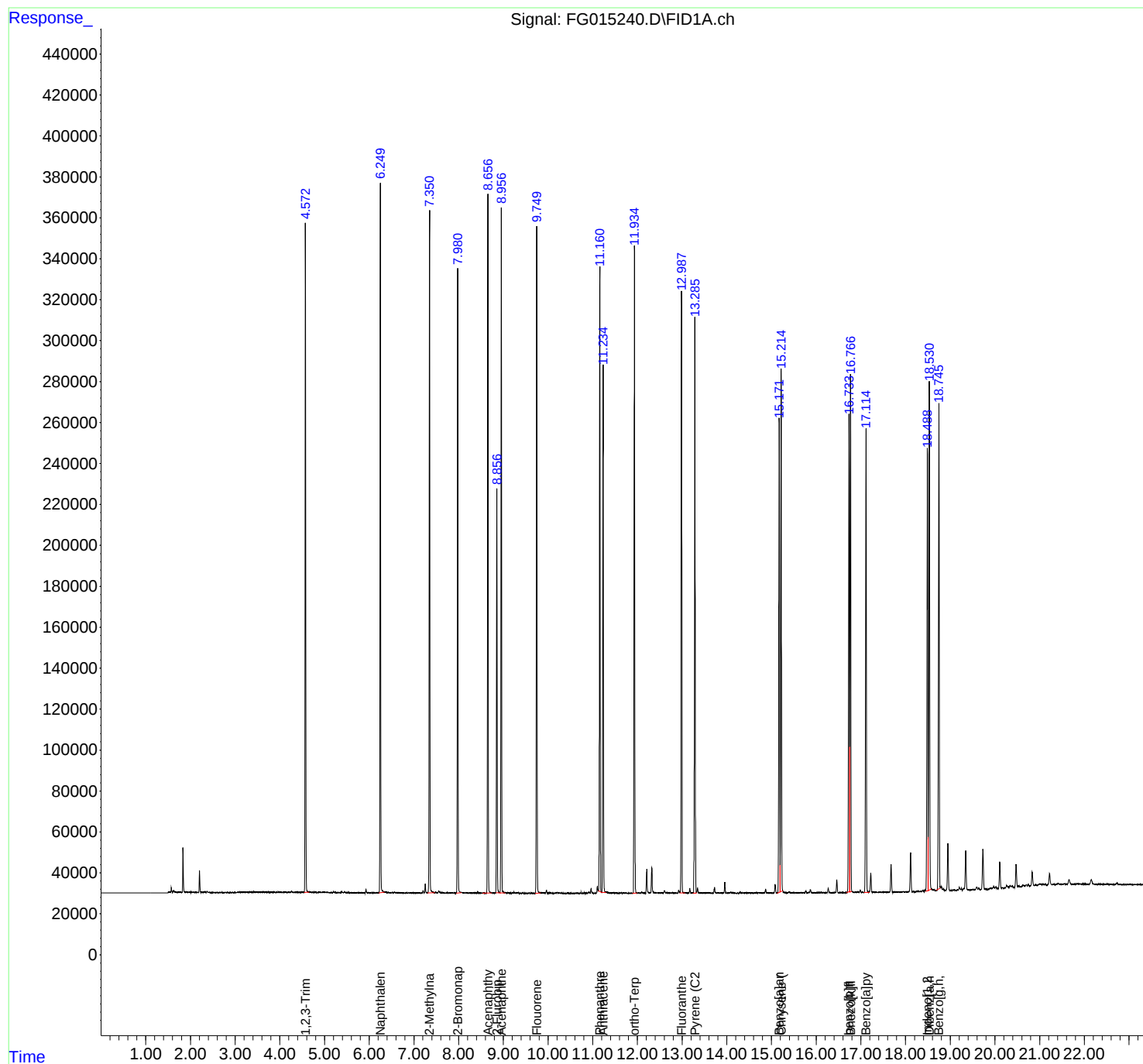
Instrument :
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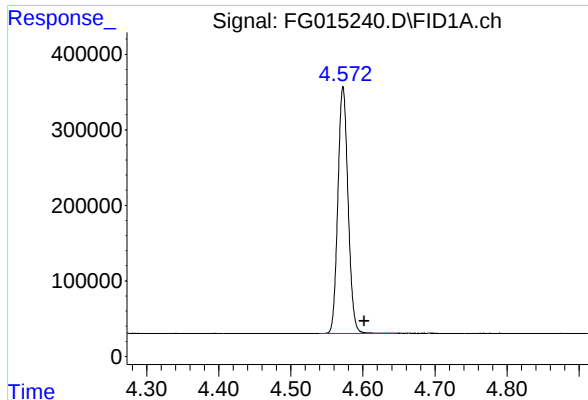
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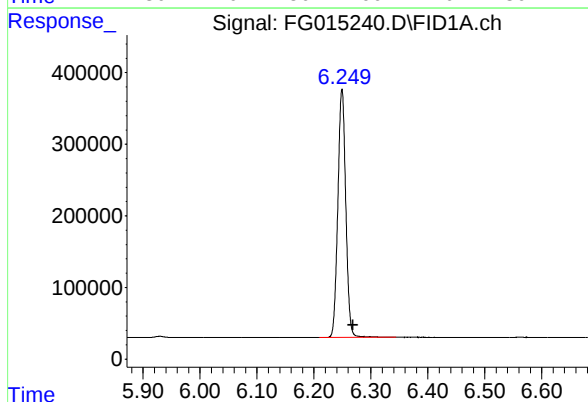
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.572 min
Delta R.T.: -0.030 min
Response: 3207271
Conc: 20.00 ug/ml

Instrument : FID_G
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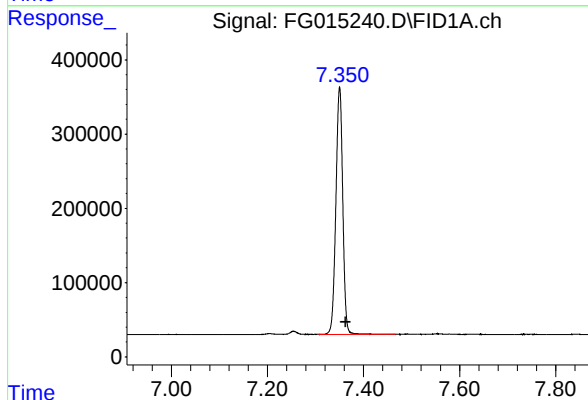
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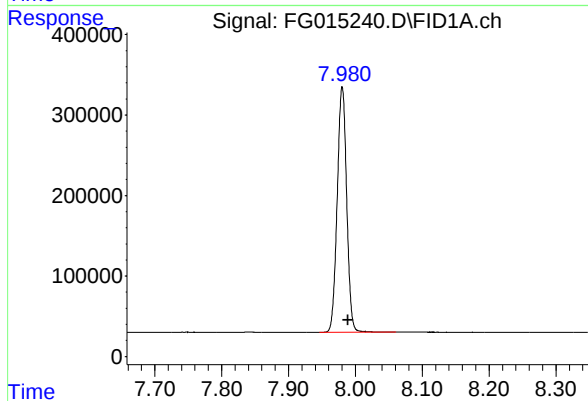
#2 Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.020 min
Response: 3358914
Conc: 20.95 ug/ml



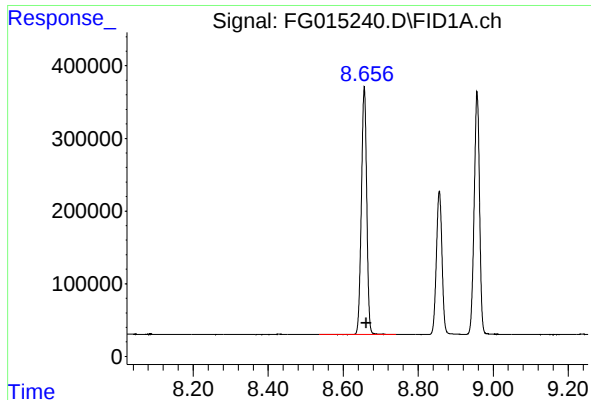
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 3318427
Conc: 20.87 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.980 min
Delta R.T.: -0.009 min
Response: 3011846
Conc: 22.82 ug/ml



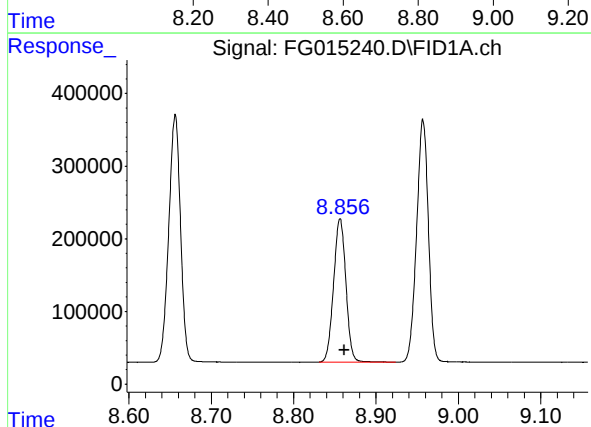
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 3367652
Conc: 21.19 ug/ml

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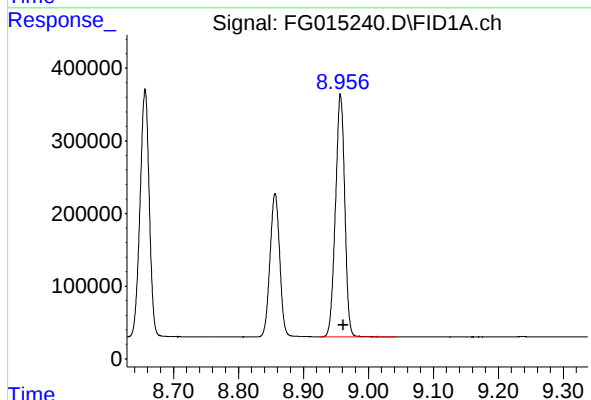
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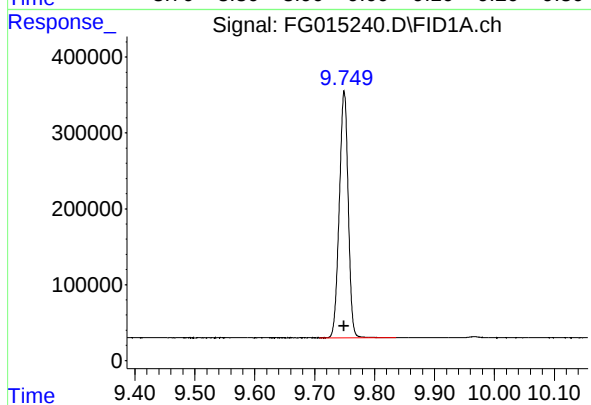
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.856 min
Delta R.T.: -0.005 min
Response: 2048026
Conc: 24.26 ug/ml



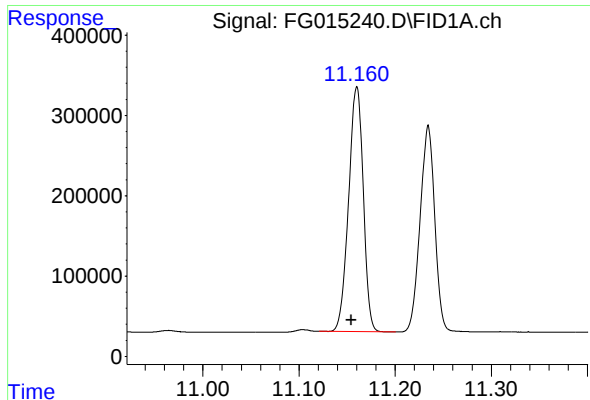
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 3318086
Conc: 20.35 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.749 min
Delta R.T.: 0.000 min
Response: 3360288
Conc: 21.34 ug/ml



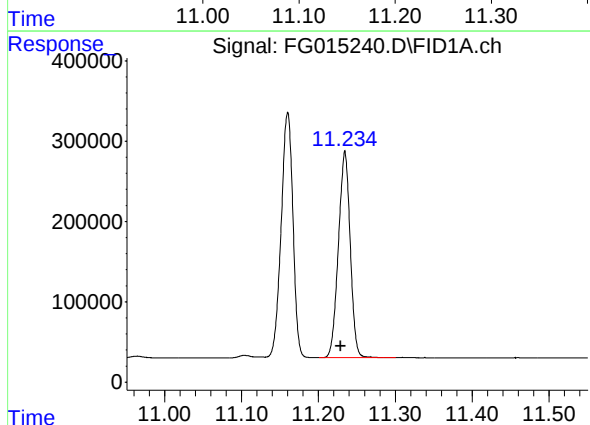
#9 Phenanthrene (C19.36)

R.T.: 11.160 min
Delta R.T.: 0.006 min
Response: 3239876
Conc: 20.29 ug/ml

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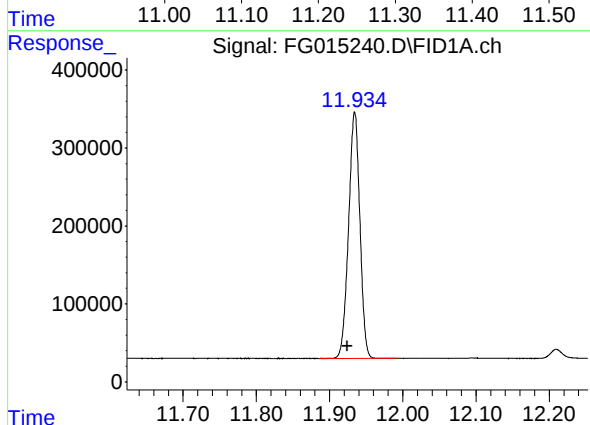
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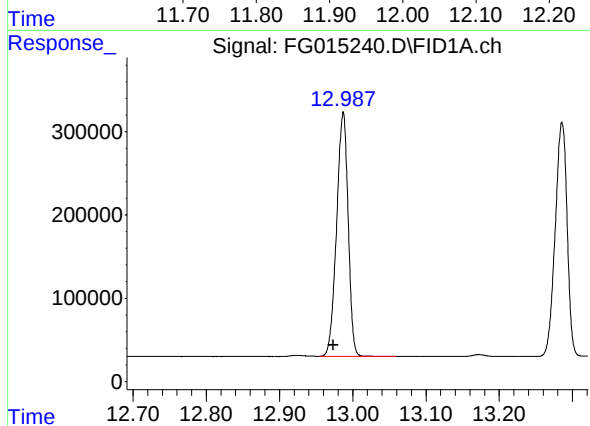
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 2734280
Conc: 18.52 ug/ml



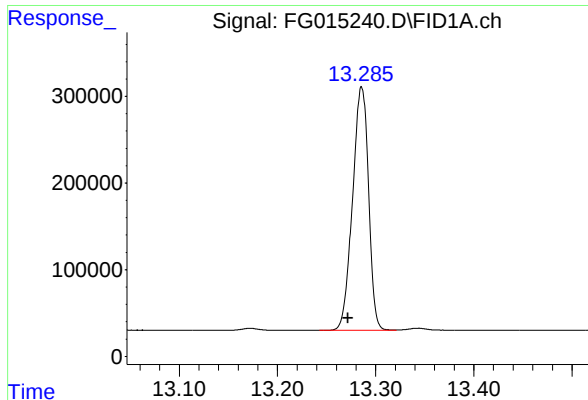
#11 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: 0.010 min
Response: 3396012
Conc: 19.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.987 min
Delta R.T.: 0.013 min
Response: 3213496
Conc: 19.42 ug/ml



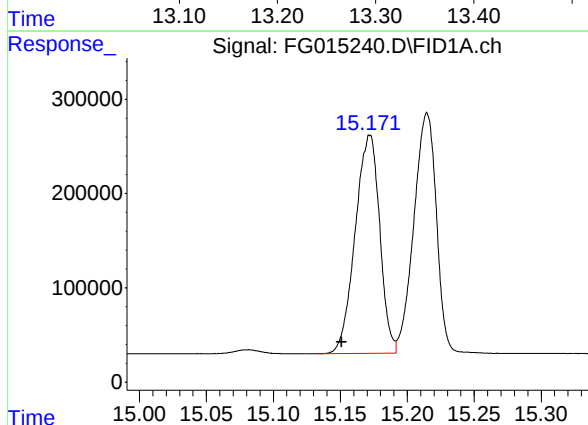
#13 Pyrene (C20.8)

R.T.: 13.286 min
Delta R.T.: 0.014 min
Response: 3182806
Conc: 19.65 ug/ml

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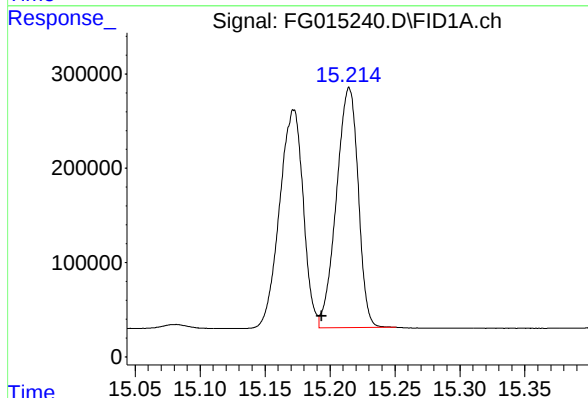
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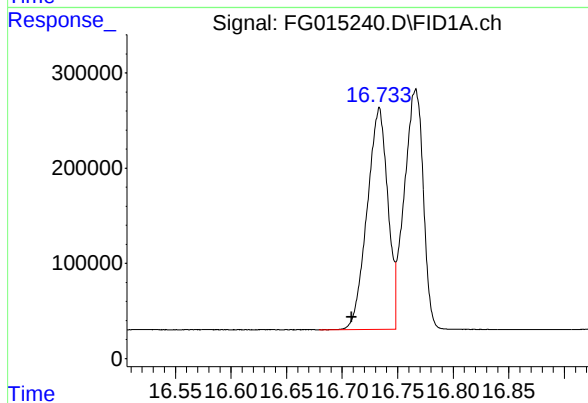
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.172 min
Delta R.T.: 0.021 min
Response: 2943671
Conc: 19.73 ug/ml



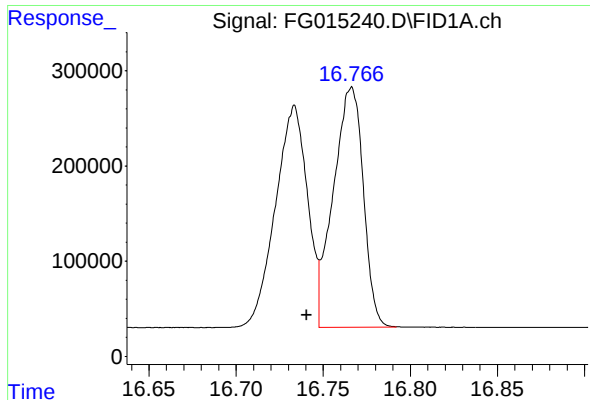
#15 Chrysene (C27.41)

R.T.: 15.215 min
Delta R.T.: 0.021 min
Response: 2972447
Conc: 19.14 ug/ml



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

R.T.: 16.733 min
Delta R.T.: 0.024 min
Response: 3007380
Conc: 20.32 ug/ml



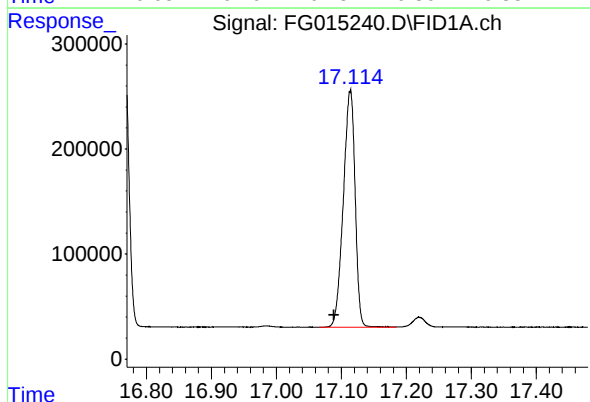
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.766 min
Delta R.T.: 0.026 min
Response: 3009349
Conc: 21.28 ug/ml

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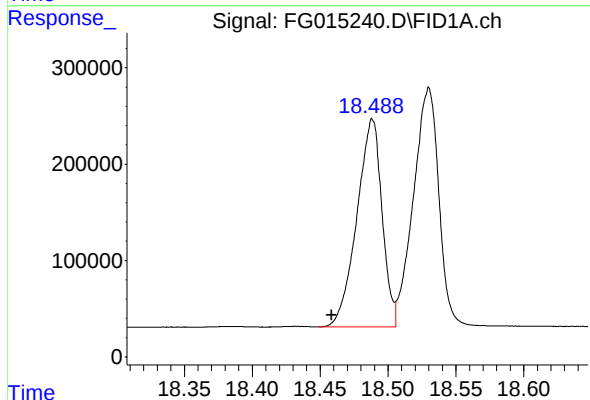
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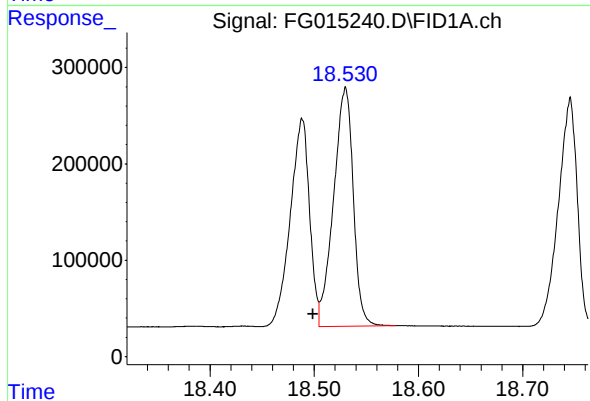
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.114 min
Delta R.T.: 0.025 min
Response: 2845222
Conc: 20.03 ug/ml



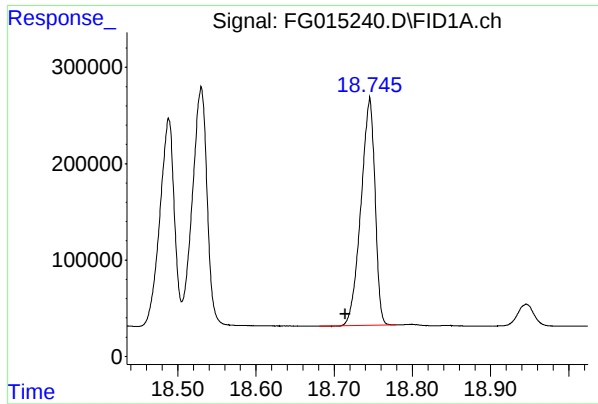
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.030 min
Response: 2780559
Conc: 22.07 ug/ml



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

R.T.: 18.530 min
Delta R.T.: 0.031 min
Response: 3242047
Conc: 21.91 ug/ml m



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

R.T.: 18.745 min
Delta R.T.: 0.031 min
Response: 2947811
Conc: 21.84 ug/ml

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