

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015218.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 13:08
 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 02:54:54 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...	7.981	2885476	21.860 ug/ml
Spiked Amount 50.000		Recovery =	43.72%
6) S 2-Fluorobiphenyl (SURR)	8.858	1967295	23.307 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.61%
11) S ortho-Terphenyl (SURR)	11.935	3260430	18.940 ug/ml
Spiked Amount 50.000		Recovery =	37.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	3085966	19.239 ug/ml
2) T Naphthalene (C11.7)	6.250	3228490	20.136 ug/ml
3) T 2-Methylnaphthalene (...)	7.351	3180000	19.998 ug/ml
5) T Acenaphthylene (C15.06)	8.657	3229855	20.326 ug/ml
7) T Acenaphthene (C15.5)	8.958	3183597	19.524 ug/ml
8) T Fluorene (C16.55)	9.750	3220989	20.456 ug/ml
9) T Phenanthrene (C19.36)	11.161	3111292	19.486 ug/ml
10) T Anthracene (C19.43)	11.236	2639362	17.877 ug/ml
12) T Fluoranthene (C21.85)	12.988	3092366	18.692 ug/ml
13) T Pyrene (C20.8)	13.288	3064431	18.919 ug/ml
14) T Benzo[a]anthracene (C...	15.173	2838340	19.026 ug/ml
15) T Chrysene (C27.41)	15.216	2861876	18.425 ug/mlm
16) T benzo[b]fluoranthene ...	16.734	2877441	19.444 ug/ml
17) T Bnezo[k]fluoranthene ...	16.768	2835335	20.053 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.116	2740976	19.292 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.489	2694736	21.385 ug/ml
20) T Dibenz[a,h]anthracene...	18.529	3084925	20.851 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.747	2855695	21.155 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 61 Sample Multiplier: 1

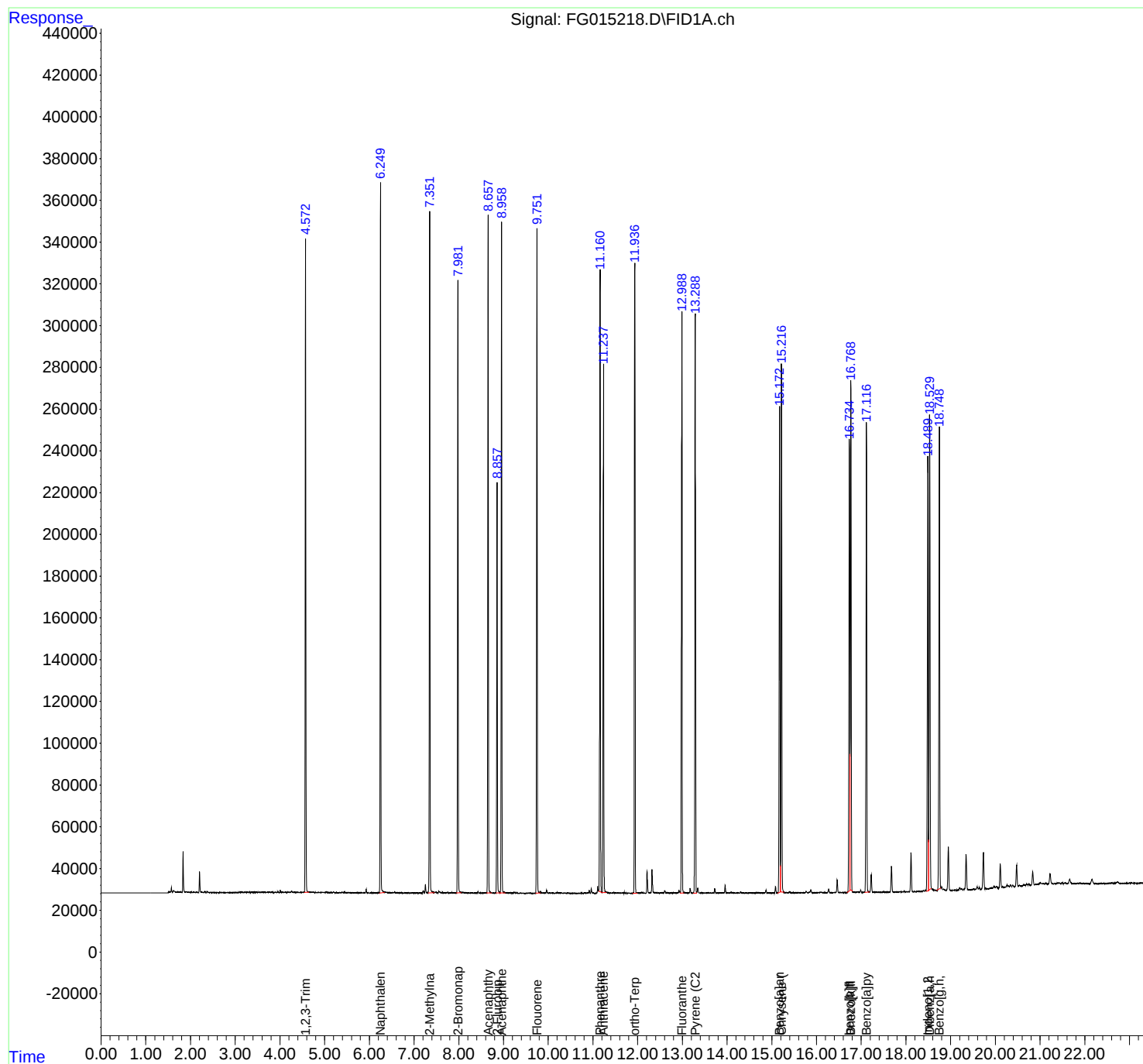
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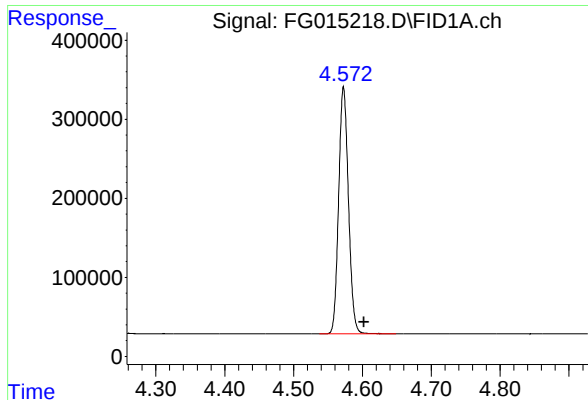
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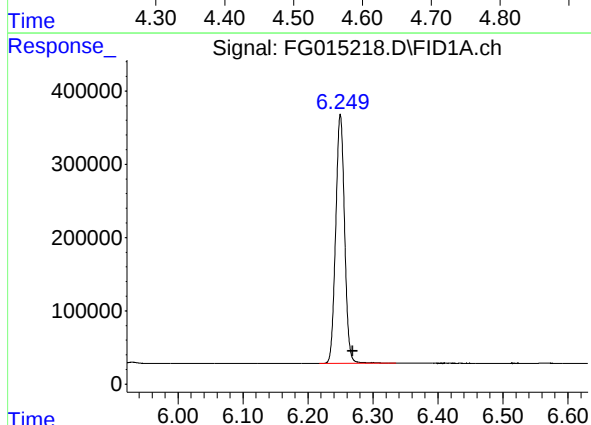
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 3085966
Conc: 19.24 ug/ml

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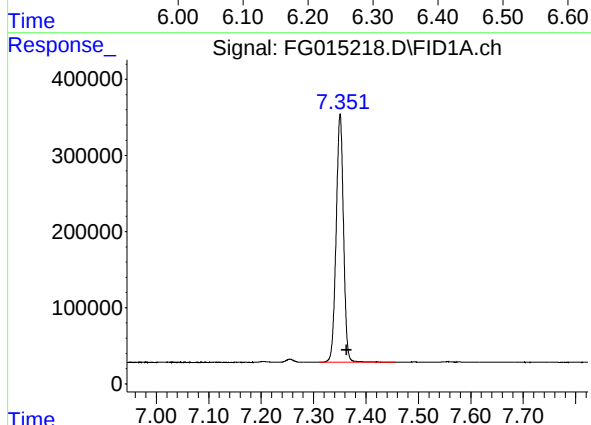
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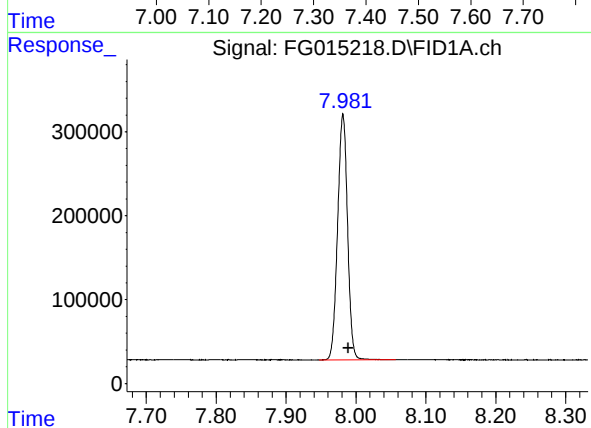
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 3228490
Conc: 20.14 ug/ml



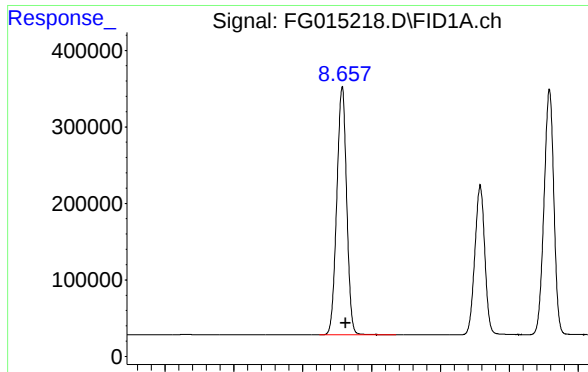
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.012 min
Response: 3180000
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.981 min
Delta R.T.: -0.008 min
Response: 2885476
Conc: 21.86 ug/ml



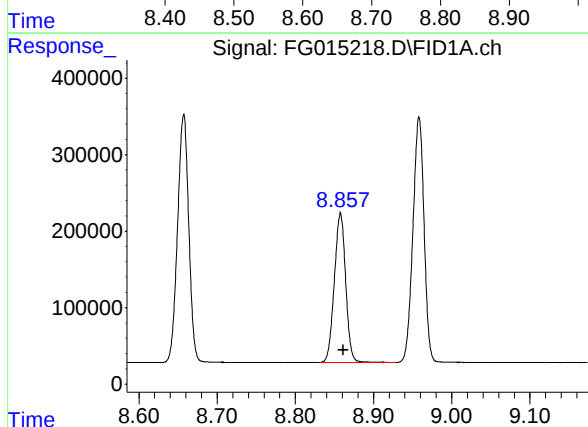
#5 Acenaphthylene (C15.06)

R.T.: 8.657 min
Delta R.T.: -0.005 min
Response: 3229855
Conc: 20.33 ug/ml

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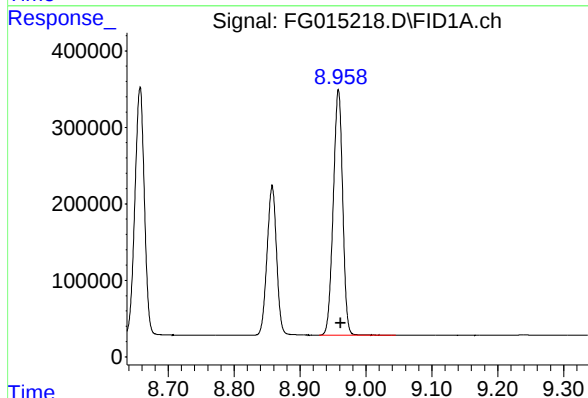
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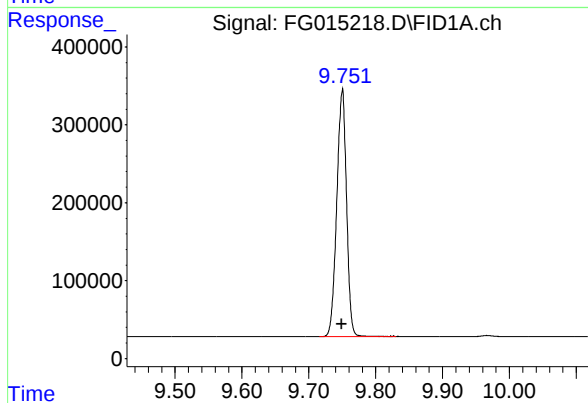
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 1967295
Conc: 23.31 ug/ml



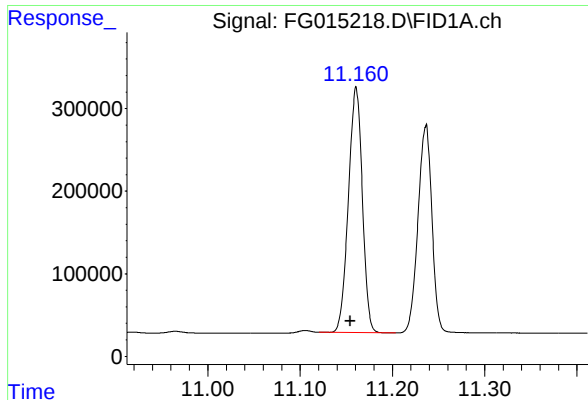
#7 Acenaphthene (C15.5)

R.T.: 8.958 min
Delta R.T.: -0.003 min
Response: 3183597
Conc: 19.52 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.750 min
Delta R.T.: 0.000 min
Response: 3220989
Conc: 20.46 ug/ml



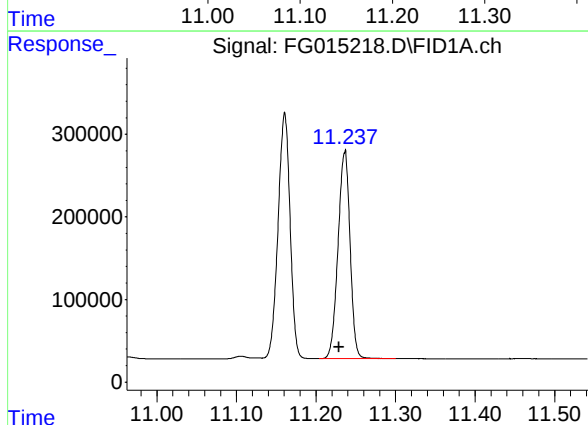
#9 Phenanthrene (C19.36)

R.T.: 11.161 min
Delta R.T.: 0.006 min
Response: 3111292
Conc: 19.49 ug/ml

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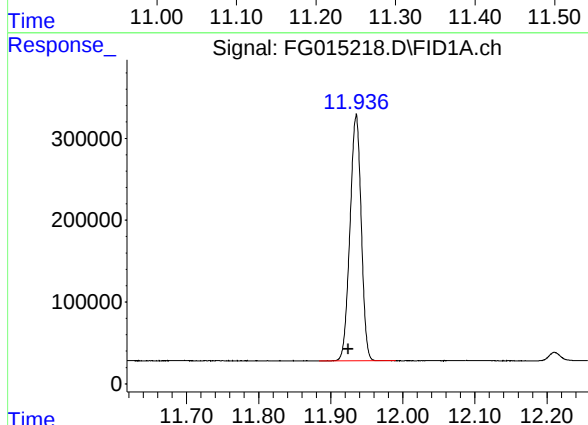
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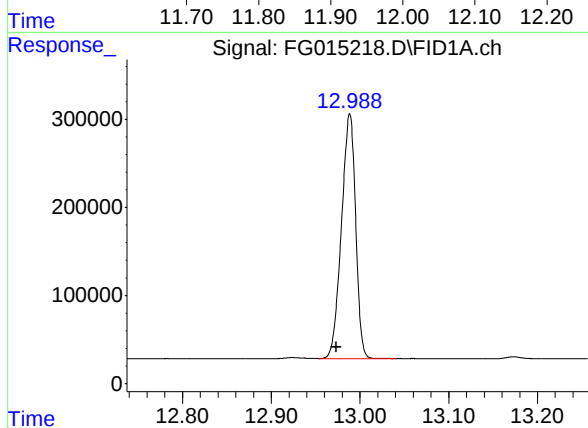
#10 Anthracene (C19.43)

R.T.: 11.236 min
Delta R.T.: 0.007 min
Response: 2639362
Conc: 17.88 ug/ml



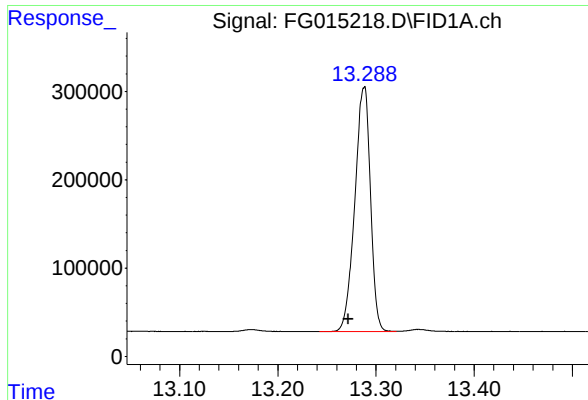
#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.011 min
Response: 3260430
Conc: 18.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.988 min
Delta R.T.: 0.015 min
Response: 3092366
Conc: 18.69 ug/ml



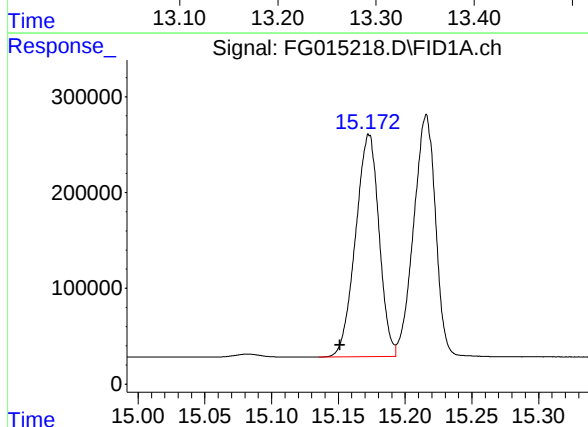
#13 Pyrene (C20.8)

R.T.: 13.288 min
Delta R.T.: 0.016 min
Response: 3064431
Conc: 18.92 ug/ml

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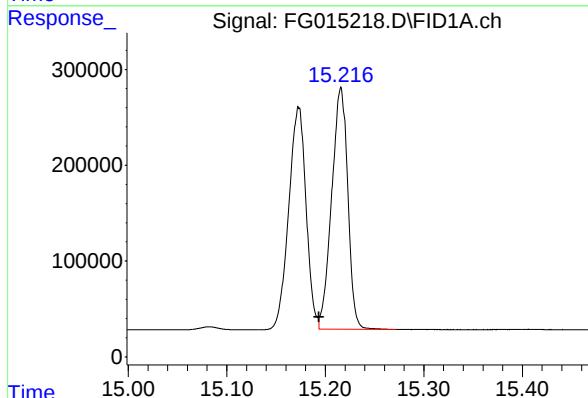
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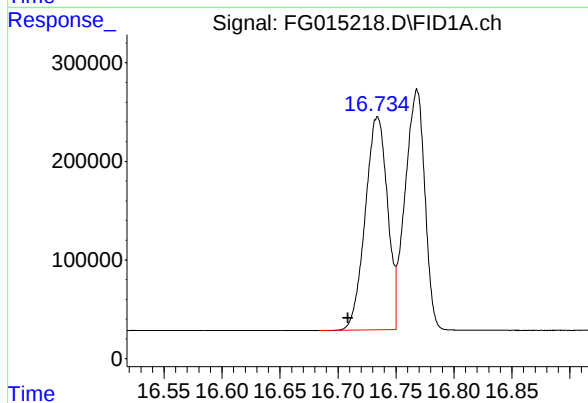
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min
Delta R.T.: 0.022 min
Response: 2838340
Conc: 19.03 ug/ml



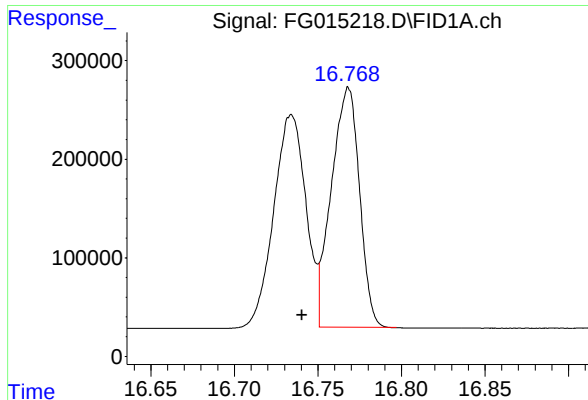
#15 Chrysene (C27.41)

R.T.: 15.216 min
Delta R.T.: 0.022 min
Response: 2861876
Conc: 18.42 ug/ml m



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

R.T.: 16.734 min
Delta R.T.: 0.025 min
Response: 2877441
Conc: 19.44 ug/ml



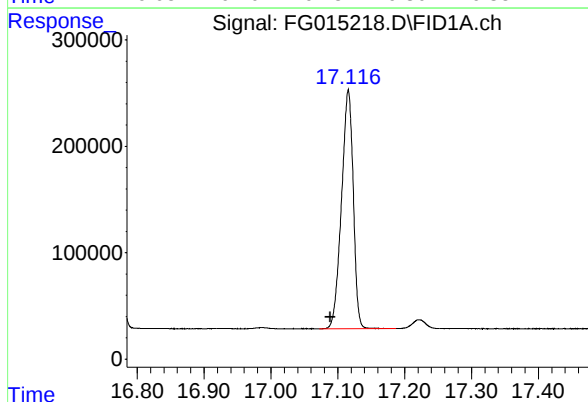
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.768 min
Delta R.T.: 0.027 min
Response: 2835335
Conc: 20.05 ug/ml

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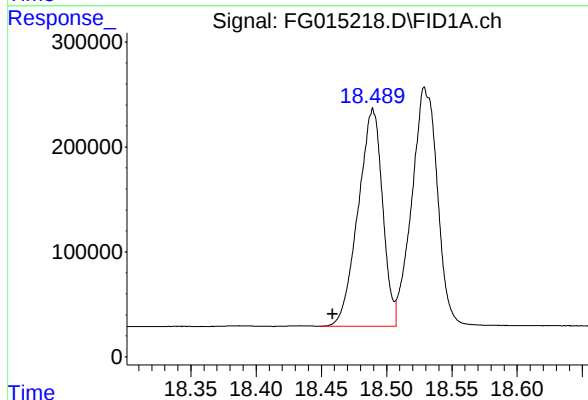
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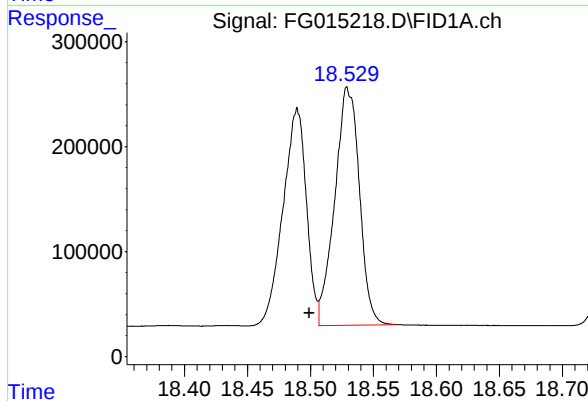
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.027 min
Response: 2740976
Conc: 19.29 ug/ml



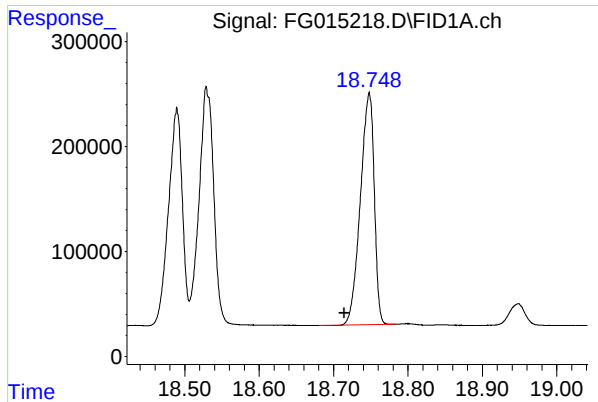
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.489 min
Delta R.T.: 0.031 min
Response: 2694736
Conc: 21.39 ug/ml



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

R.T.: 18.529 min
Delta R.T.: 0.030 min
Response: 3084925
Conc: 20.85 ug/ml m



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

R.T.: 18.747 min
Delta R.T.: 0.033 min
Response: 2855695
Conc: 21.15 ug/ml

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