

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015226.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 18:50
 Operator : YP\AJ
 Sample : Q1168-03
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

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 02:56:08 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...	7.983	7274474	55.109 ug/ml
Spiked Amount 50.000		Recovery =	110.22%
6) S 2-Fluorobiphenyl (SURR)	8.860	4979243	58.990 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.98%
11) S ortho-Terphenyl (SURR)	11.938	6840578	39.738 ug/ml
Spiked Amount 50.000		Recovery =	79.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	300395	1.873 ug/ml
2) T Naphthalene (C11.7)	6.250	340159	2.122 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	350474	2.204 ug/ml
5) T Acenaphthylene (C15.06)	8.655	348468	2.193 ug/mlm
7) T Acenaphthene (C15.5)	8.956	343971	2.109 ug/ml
8) T Fluorene (C16.55)	9.748	343392	2.181 ug/ml
9) T Phenanthrene (C19.36)	11.158	337893	2.116 ug/ml
10) T Anthracene (C19.43)	11.232	331822	2.247 ug/ml
12) T Fluoranthene (C21.85)	12.984	336413	2.034 ug/ml
13) T Pyrene (C20.8)	13.283	339921	2.099 ug/ml
14) T Benzo[a]anthracene (C...	15.168	310491	2.081 ug/mlm
15) T Chrysene (C27.41)	15.207	323877	2.085 ug/mlm
16) T benzo[b]fluoranthene ...	16.728	312873	2.114 ug/ml
17) T Bnezo[k]fluoranthene ...	16.760	333661	2.360 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.109	305134	2.148 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.480	313662	2.489 ug/mlm
20) T Dibenz[a,h]anthracene...	18.524	385479	2.605 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.735	291692	2.161 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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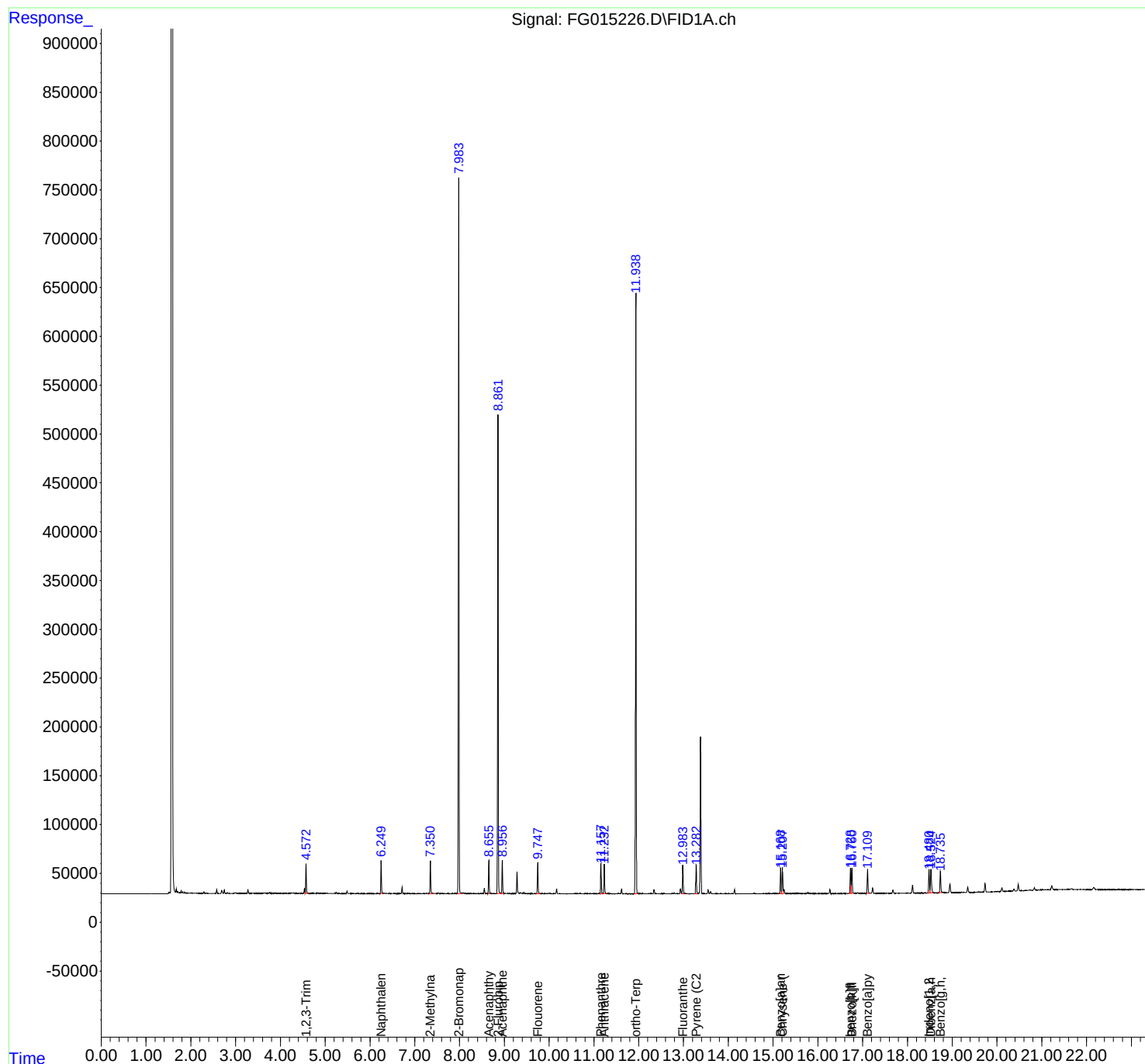
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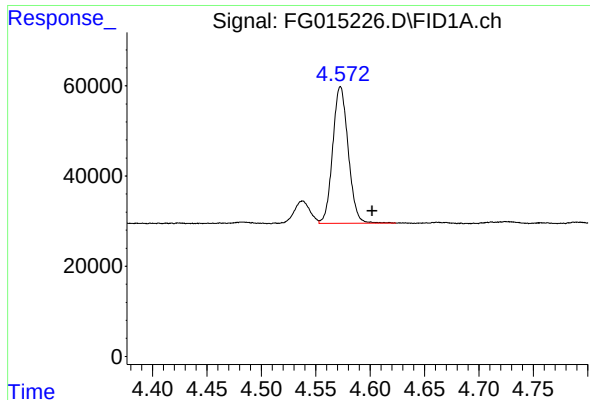
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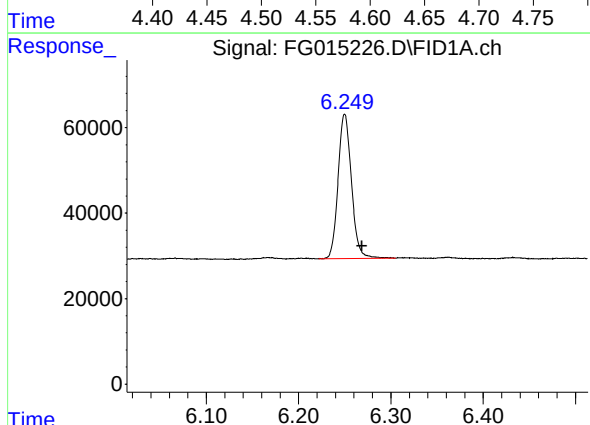
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 300395
Conc: 1.87 ug/ml

Instrument :
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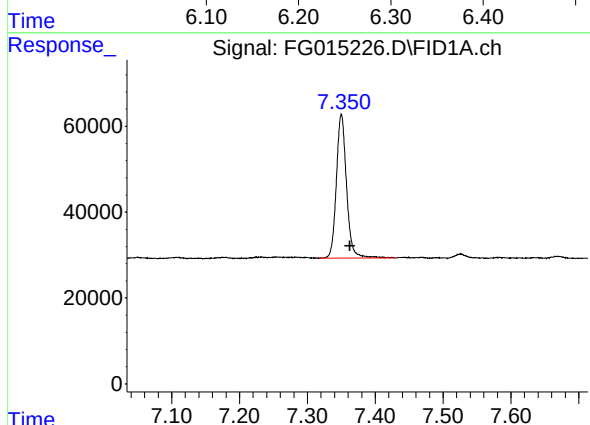
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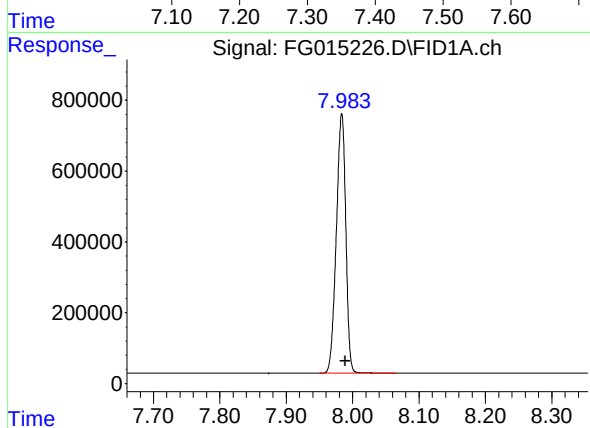
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 340159
Conc: 2.12 ug/ml



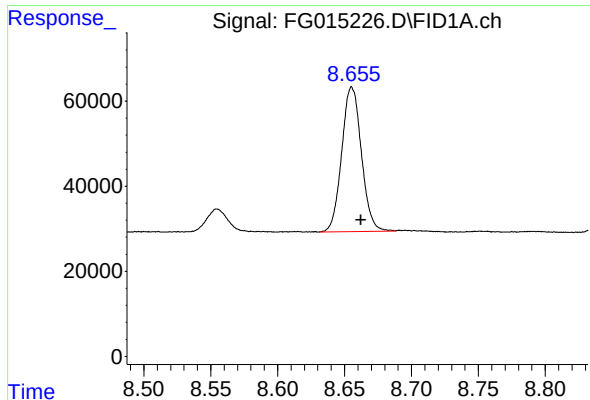
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 350474
Conc: 2.20 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.983 min
Delta R.T.: -0.005 min
Response: 7274474
Conc: 55.11 ug/ml



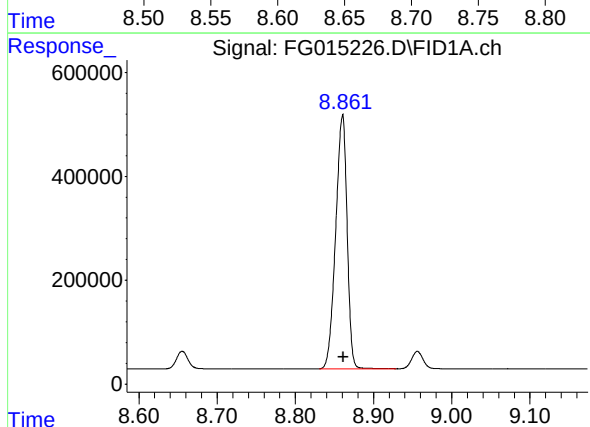
#5 Acenaphthylene (C15.06)

R.T.: 8.655 min
Delta R.T.: -0.007 min
Response: 348468
Conc: 2.19 ug/ml

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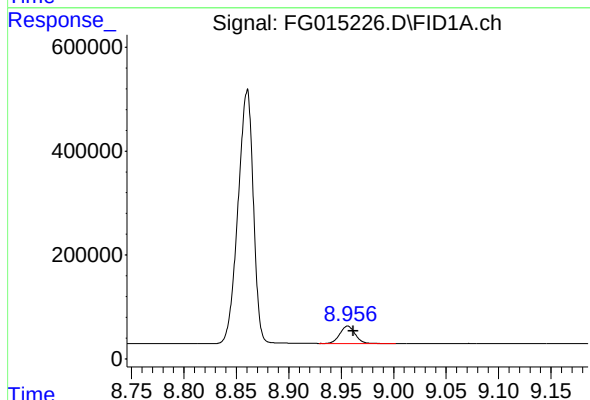
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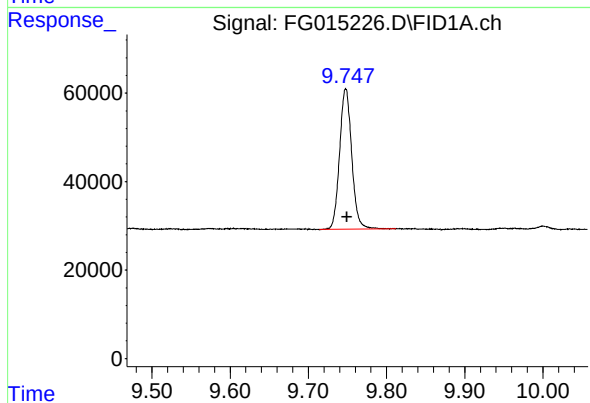
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.002 min
Response: 4979243
Conc: 58.99 ug/ml



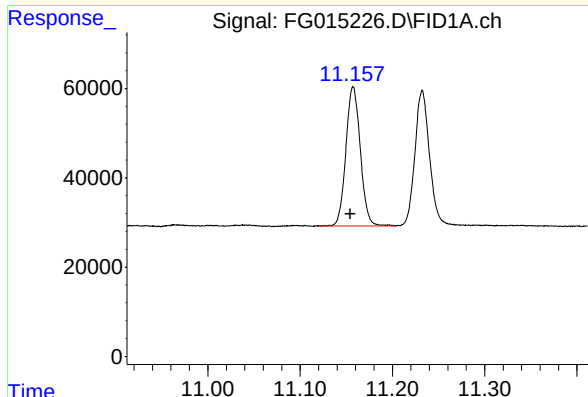
#7 Acenaphthene (C15.5)

R.T.: 8.956 min
Delta R.T.: -0.005 min
Response: 343971
Conc: 2.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.748 min
Delta R.T.: -0.001 min
Response: 343392
Conc: 2.18 ug/ml



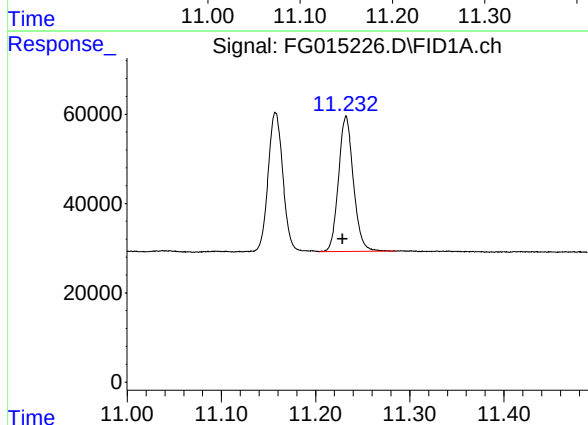
#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.003 min
Response: 337893
Conc: 2.12 ug/ml

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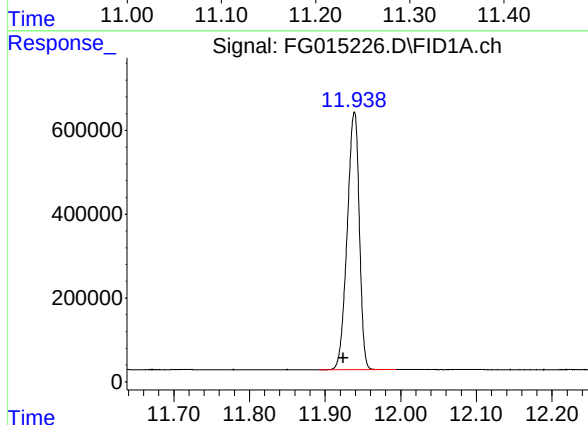
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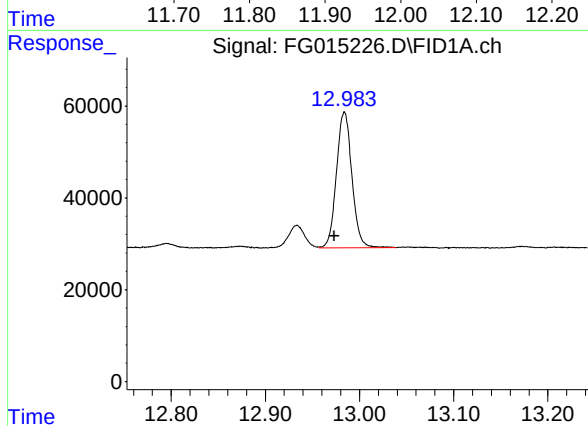
#10 Anthracene (C19.43)

R.T.: 11.232 min
Delta R.T.: 0.003 min
Response: 331822
Conc: 2.25 ug/ml



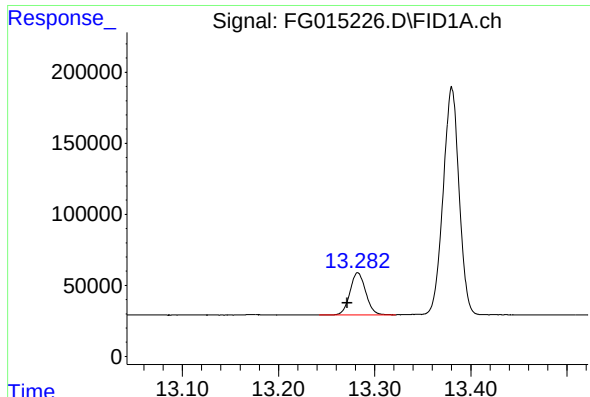
#11 ortho-Terphenyl (SURRE)

R.T.: 11.938 min
Delta R.T.: 0.014 min
Response: 6840578
Conc: 39.74 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.984 min
Delta R.T.: 0.011 min
Response: 336413
Conc: 2.03 ug/ml



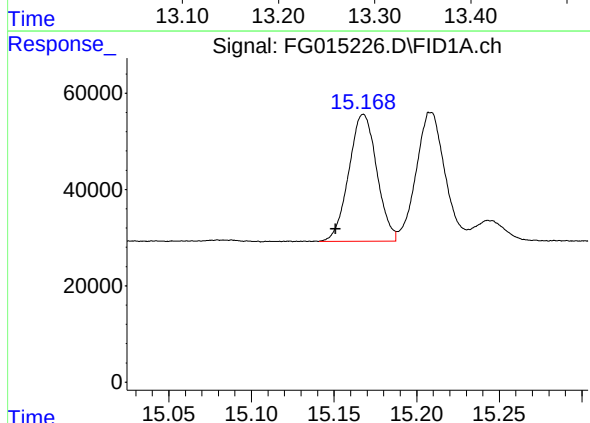
#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.011 min
Response: 339921
Conc: 2.10 ug/ml

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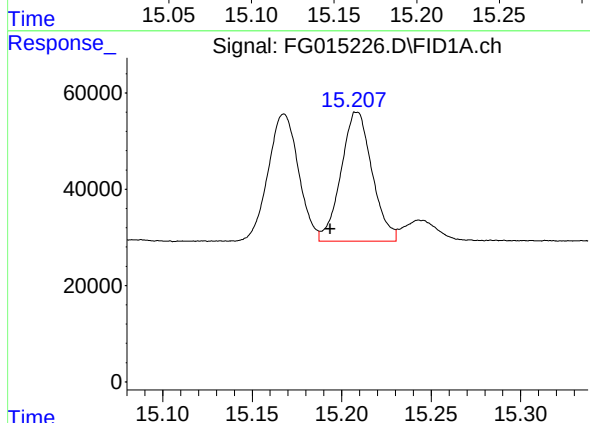
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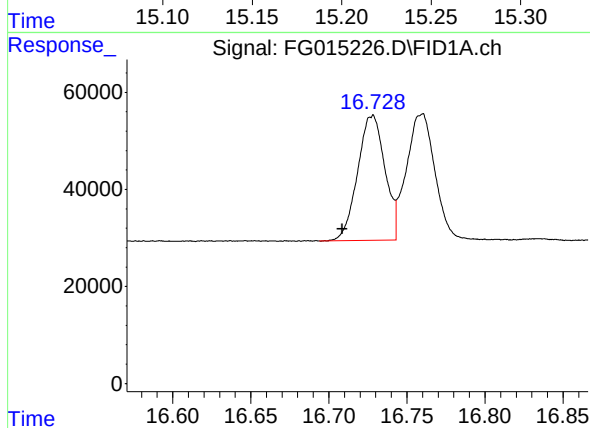
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.168 min
Delta R.T.: 0.017 min
Response: 310491
Conc: 2.08 ug/ml m



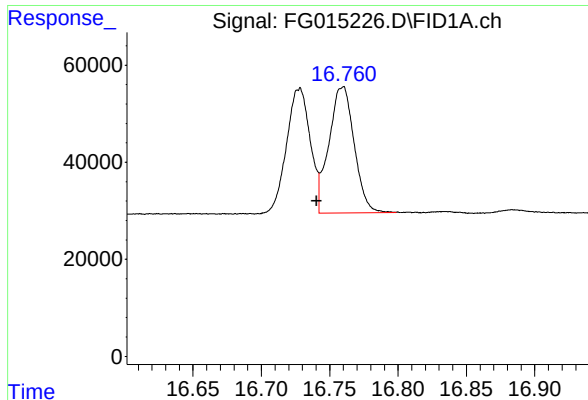
#15 Chrysene (C27.41)

R.T.: 15.207 min
Delta R.T.: 0.013 min
Response: 323877
Conc: 2.09 ug/ml m



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

R.T.: 16.728 min
Delta R.T.: 0.019 min
Response: 312873
Conc: 2.11 ug/ml



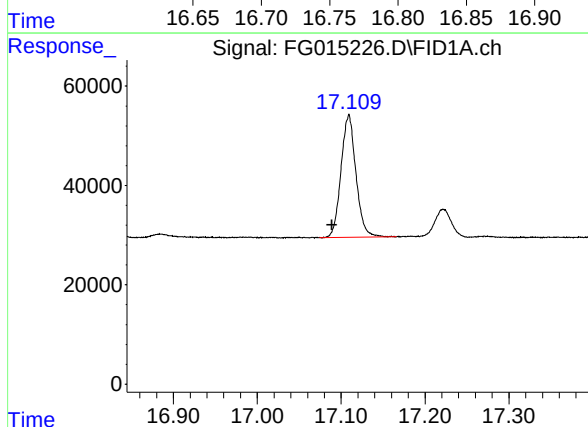
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.760 min
Delta R.T.: 0.020 min
Response: 333661
Conc: 2.36 ug/ml

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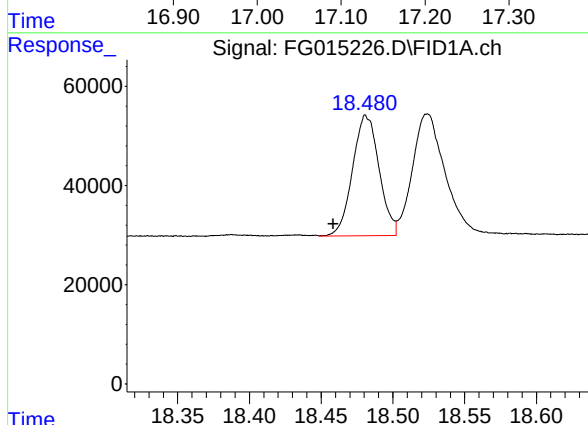
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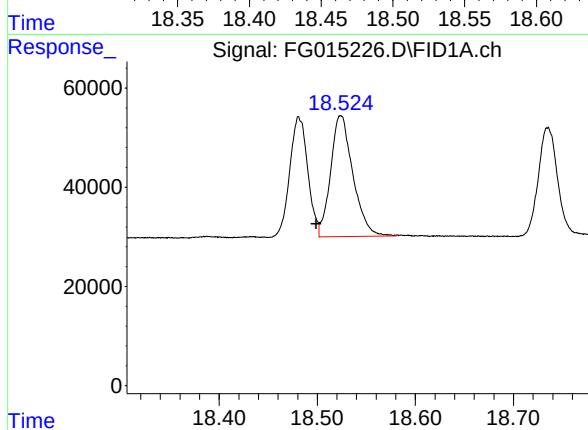
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.109 min
Delta R.T.: 0.020 min
Response: 305134
Conc: 2.15 ug/ml



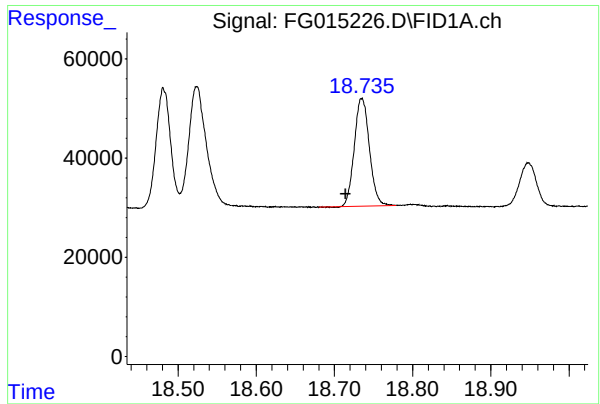
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.480 min
Delta R.T.: 0.022 min
Response: 313662
Conc: 2.49 ug/ml m



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

R.T.: 18.524 min
Delta R.T.: 0.025 min
Response: 385479
Conc: 2.61 ug/ml m



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

R.T.: 18.735 min
Delta R.T.: 0.021 min
Response: 291692
Conc: 2.16 ug/ml

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