

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012925AR\
 Data File : FF015355.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 10:45
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-WATER-01-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 02:44:45 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...	7.992	7466633	56.565 ug/ml
Spiked Amount 50.000		Recovery =	113.13%
6) S 2-Fluorobiphenyl (SURR)	8.866	4921783	58.309 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	116.62%
11) S ortho-Terphenyl (SURR)	11.930	7058216	41.002 ug/ml
Spiked Amount 50.000		Recovery =	82.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	320199	1.996 ug/ml
2) T Naphthalene (C11.7)	6.269	352157	2.196 ug/mlm
3) T 2-Methylnaphthalene (...)	7.364	357056	2.245 ug/mlm
5) T Acenaphthylene (C15.06)	8.663	359525	2.263 ug/ml
7) T Acenaphthene (C15.5)	8.961	395924	2.428 ug/ml
8) T Flouorene (C16.55)	9.751	334347	2.123 ug/mlm
9) T Phenanthrene (C19.36)	11.157	306382	1.919 ug/ml
10) T Anthracene (C19.43)	11.232	294257	1.993 ug/ml
12) T Fluoranthene (C21.85)	12.977	331950	2.007 ug/ml
13) T Pyrene (C20.8)	13.275	326423	2.015 ug/ml
14) T Benzo[a]anthracene (C...	15.158	230623	1.546 ug/ml
15) T Chrysene (C27.41)	15.197	366011	2.356 ug/mlm
16) T benzo[b]fluoranthene ...	16.713	272740	1.843 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.746	297436	2.104 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.098	267182	1.880 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.470	208198	1.652 ug/mlm
20) T Dibenz[a,h]anthracene...	18.515	332696	2.249 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.720	258710	1.916 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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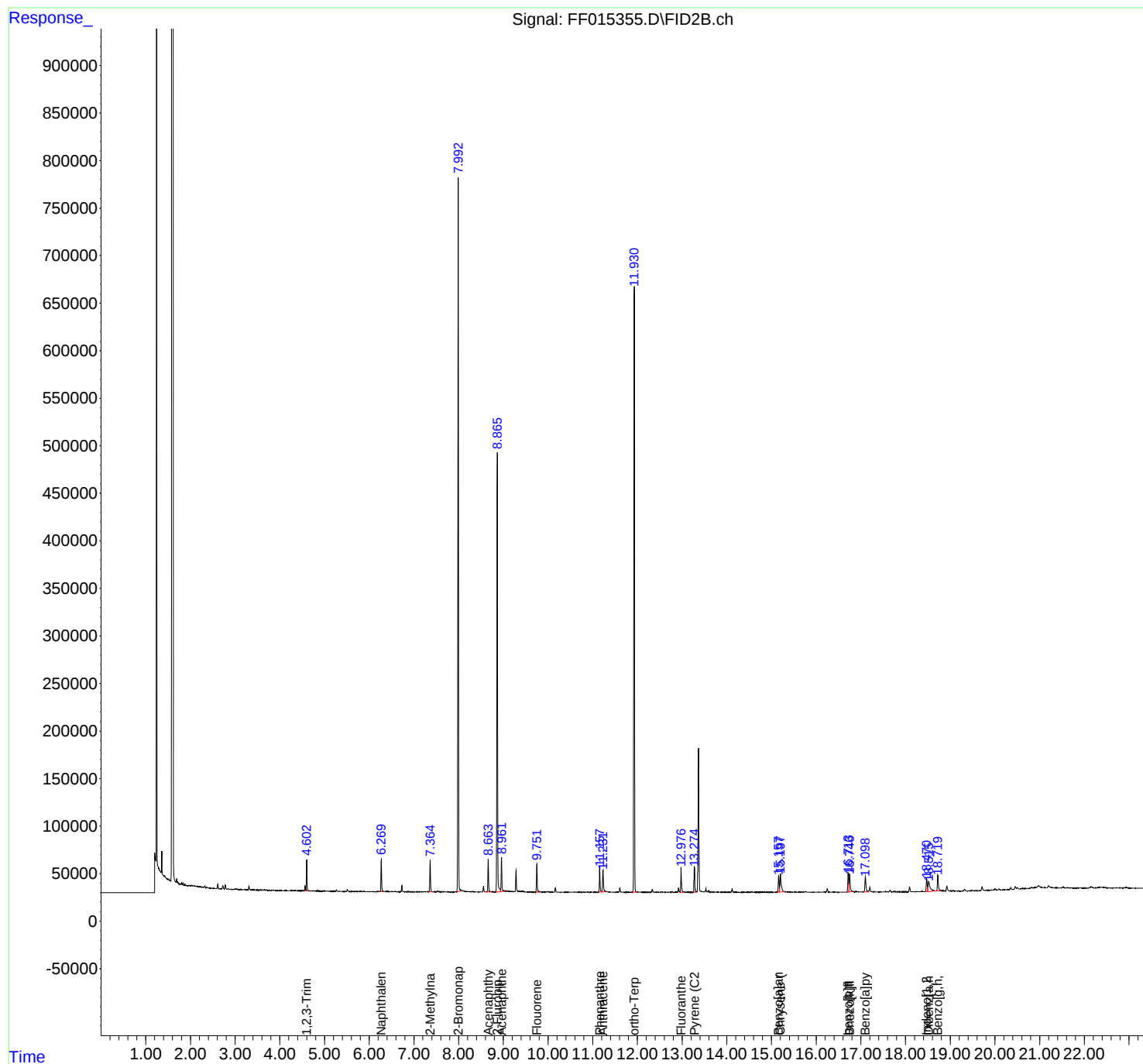
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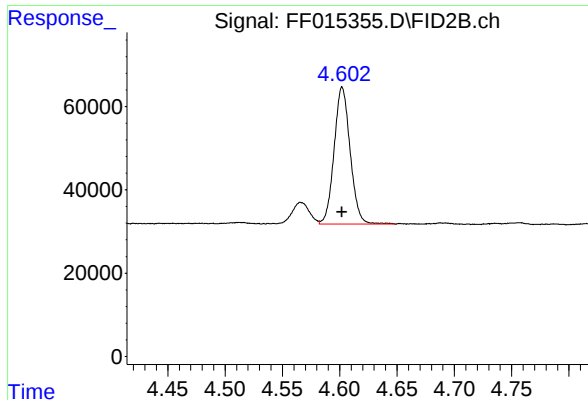
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.602 min
Delta R.T.: 0.000 min
Response: 320199
Conc: 2.00 ug/ml

Instrument :

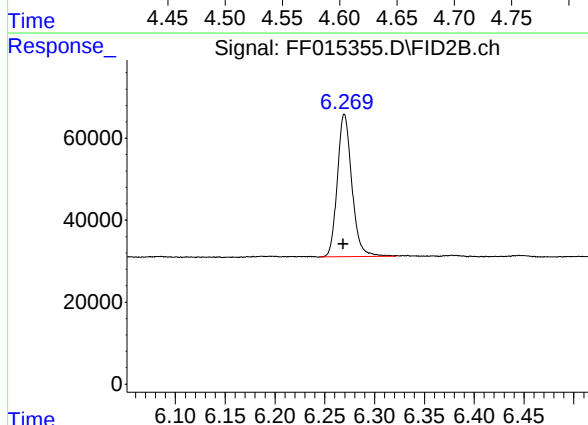
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ClientSampleId :

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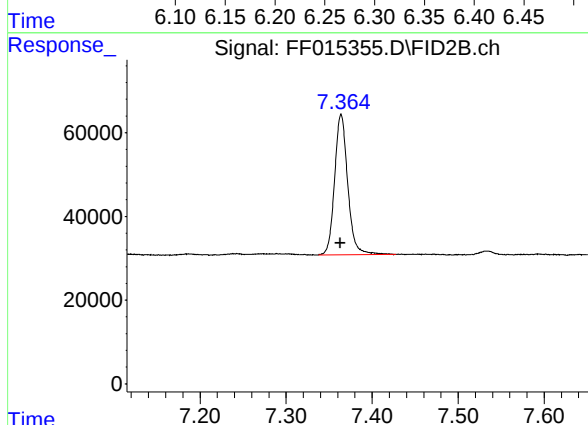
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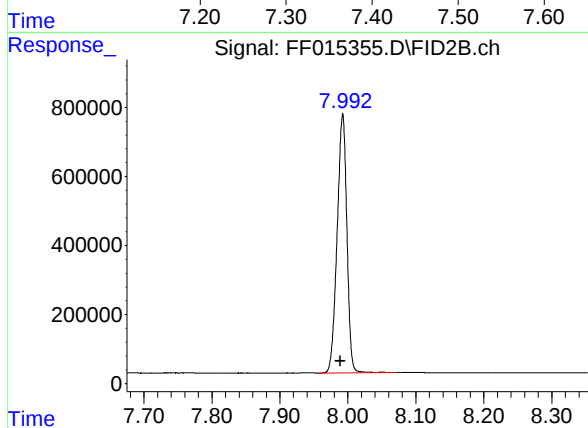
#2 Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 352157
Conc: 2.20 ug/ml m



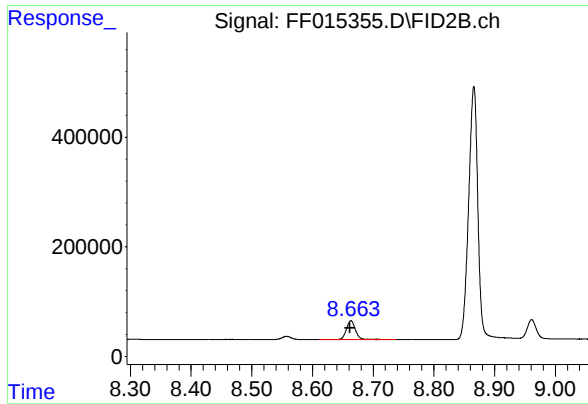
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: 0.000 min
Response: 357056
Conc: 2.25 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.992 min
Delta R.T.: 0.003 min
Response: 7466633
Conc: 56.57 ug/ml



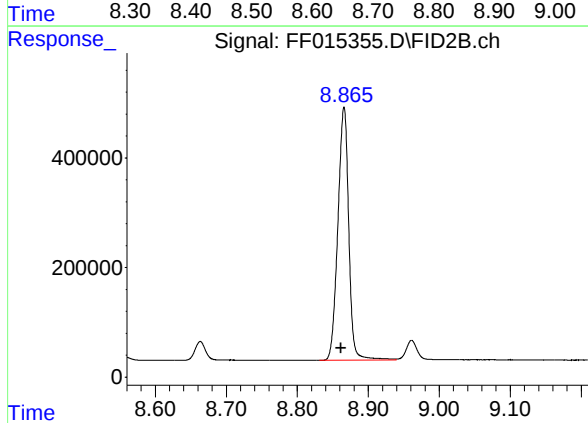
#5 Acenaphthylene (C15.06)

R.T.: 8.663 min
Delta R.T.: 0.001 min
Response: 359525
Conc: 2.26 ug/ml

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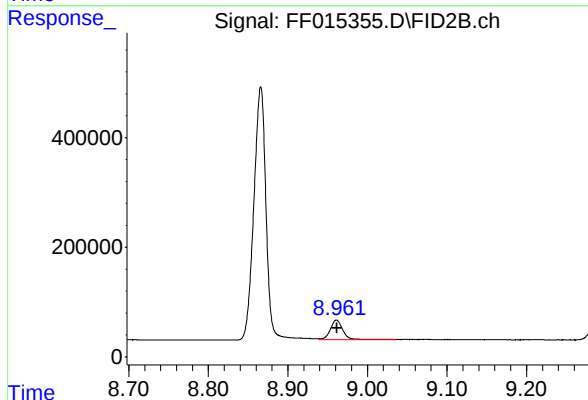
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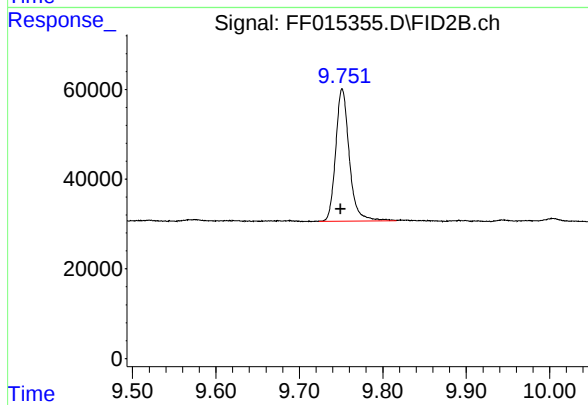
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.866 min
Delta R.T.: 0.004 min
Response: 4921783
Conc: 58.31 ug/ml



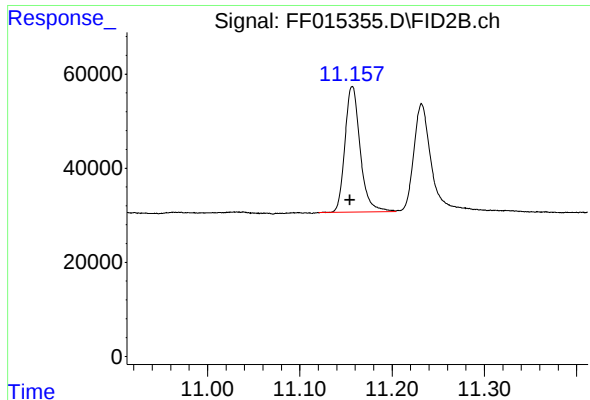
#7 Acenaphthene (C15.5)

R.T.: 8.961 min
Delta R.T.: 0.000 min
Response: 395924
Conc: 2.43 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.751 min
Delta R.T.: 0.002 min
Response: 334347
Conc: 2.12 ug/ml m



#9 Phenanthrene (C19.36)

R.T.: 11.157 min
Delta R.T.: 0.003 min
Response: 306382
Conc: 1.92 ug/ml

Instrument :

FID_F

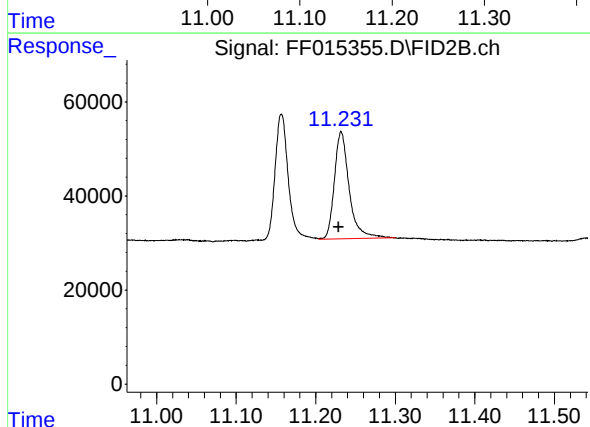
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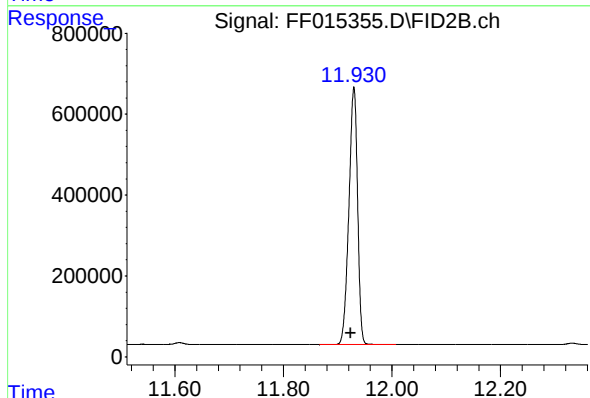
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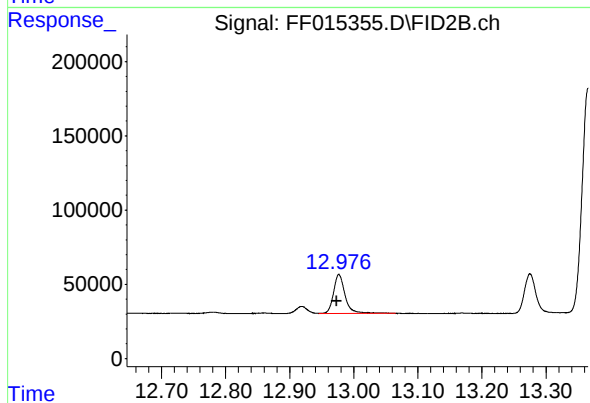
#10 Anthracene (C19.43)

R.T.: 11.232 min
Delta R.T.: 0.003 min
Response: 294257
Conc: 1.99 ug/ml



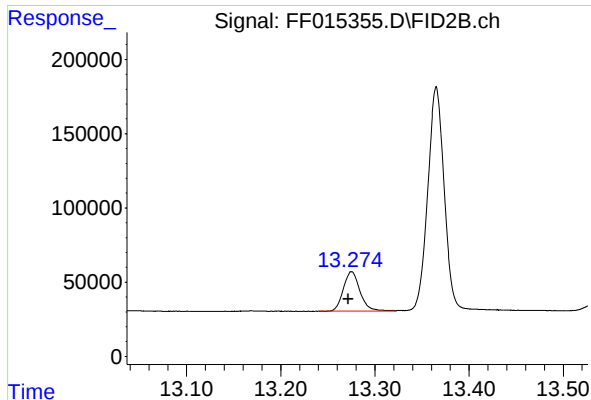
#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: 0.005 min
Response: 7058216
Conc: 41.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.977 min
Delta R.T.: 0.004 min
Response: 331950
Conc: 2.01 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.275 min
Delta R.T.: 0.004 min
Response: 326423
Conc: 2.02 ug/ml

Instrument :

FID_F

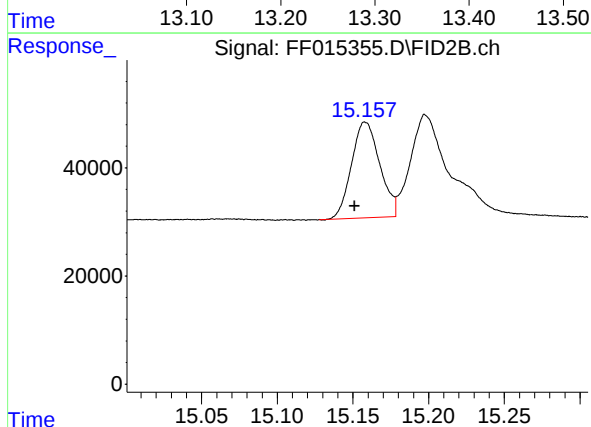
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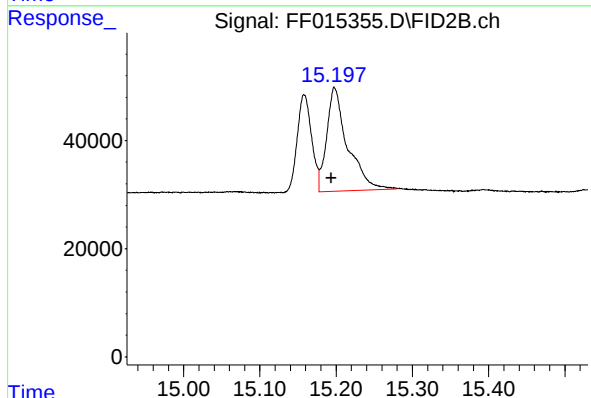
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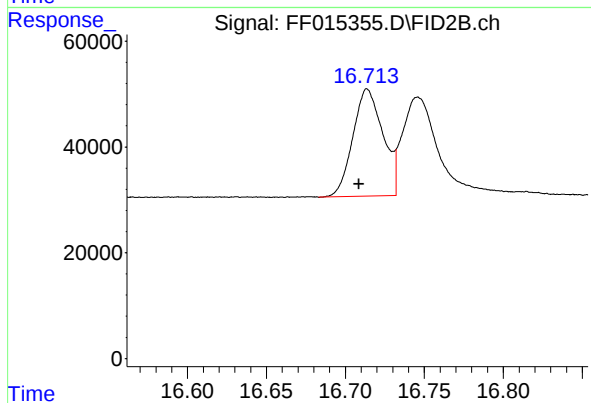
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.158 min
Delta R.T.: 0.007 min
Response: 230623
Conc: 1.55 ug/ml



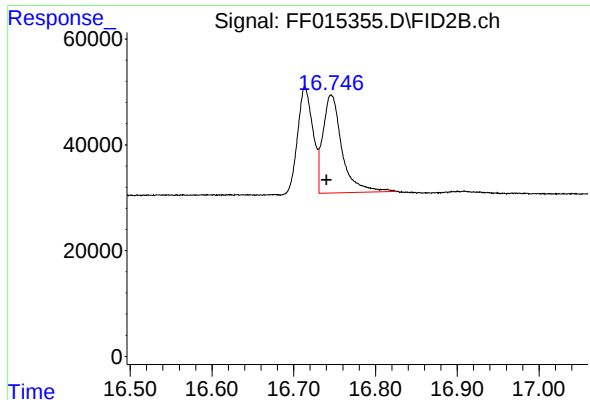
#15 Chrysene (C27.41)

R.T.: 15.197 min
Delta R.T.: 0.003 min
Response: 366011
Conc: 2.36 ug/ml m



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

R.T.: 16.713 min
Delta R.T.: 0.004 min
Response: 272740
Conc: 1.84 ug/ml m



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

R.T.: 16.746 min
Delta R.T.: 0.005 min
Response: 297436
Conc: 2.10 ug/ml

Instrument :

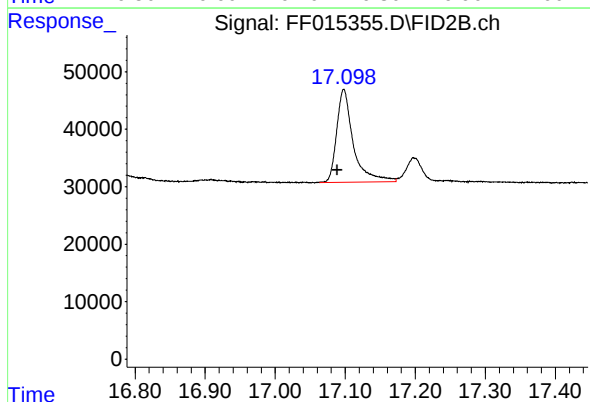
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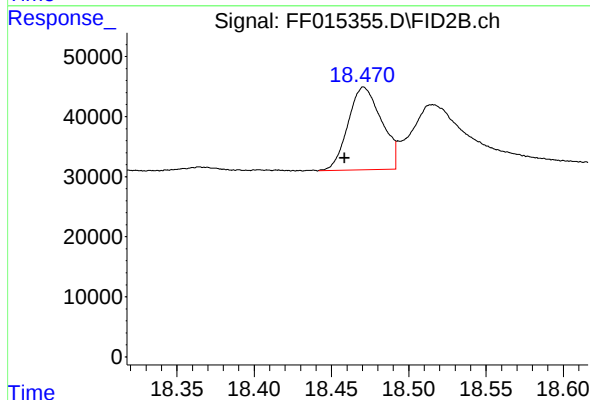
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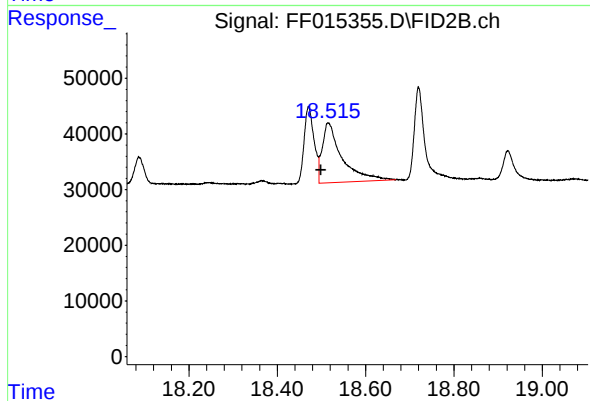
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.098 min
Delta R.T.: 0.009 min
Response: 267182
Conc: 1.88 ug/ml m



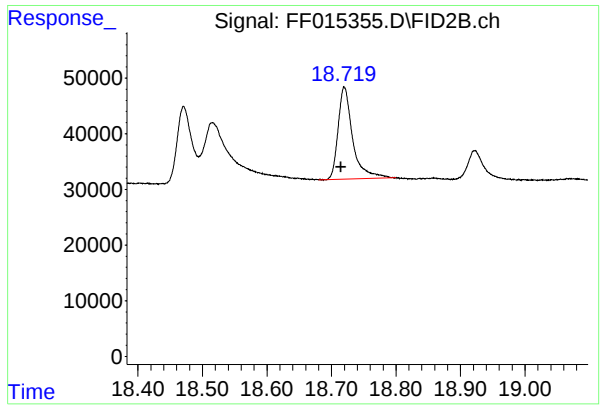
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.470 min
Delta R.T.: 0.011 min
Response: 208198
Conc: 1.65 ug/ml m



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

R.T.: 18.515 min
Delta R.T.: 0.016 min
Response: 332696
Conc: 2.25 ug/ml m



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

R.T.: 18.720 min
Delta R.T.: 0.006 min
Response: 258710
Conc: 1.92 ug/ml

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