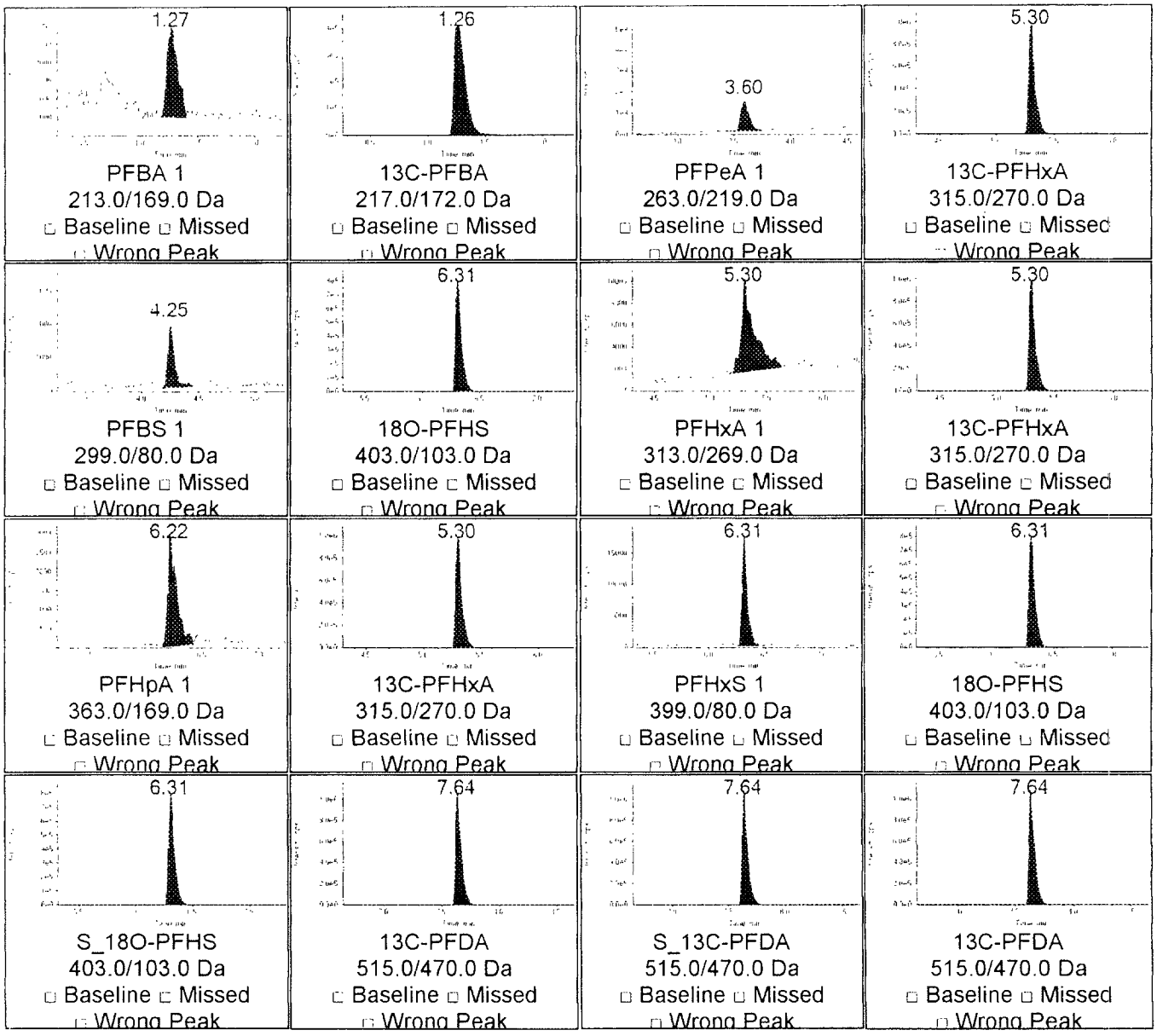
Columbia Analytical Services

Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Quantitative Peak Review

K1000911-013



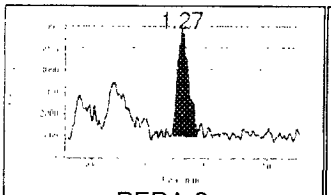
☐ Before ☐ After

Columbia Analytical Services

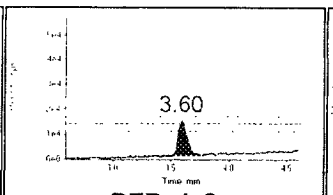
Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Ion Ratio Confirmation

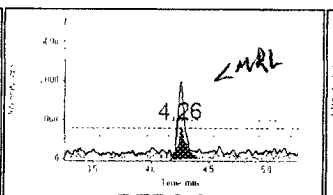
K1000911-013



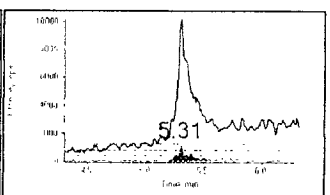
PFBA 2
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



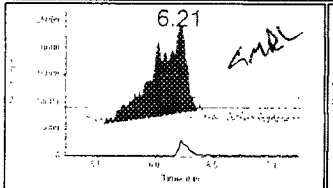
PFPeA 2
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



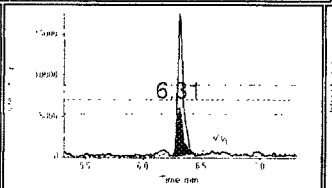
PFBS 2
299.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



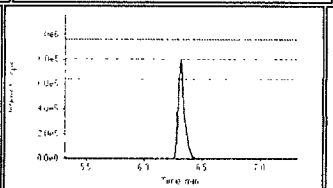
PFHxA 2
313.0/119.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHpA 2
363.0/319.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHxS 2
399.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

This image is not available

N/A

☐ Baseline ☐ Missed
☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-014	**Injection Volume**	5
Acquisition Date	2/8/2010 10:32:18 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	54	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	2263700	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	1935200	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	5611700	2.38 (2.53)	13929	0.038	No
PFDA 1	13C-PFDA	2227400	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	92742	4.13 (4.06)	5395	0.040	No
PFDS 1	13C-PFOS	5611700	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	114340	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	114340	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	114340	0.00 (5.74)	0	N/A	No

2/18/10

E-S

2/16/10

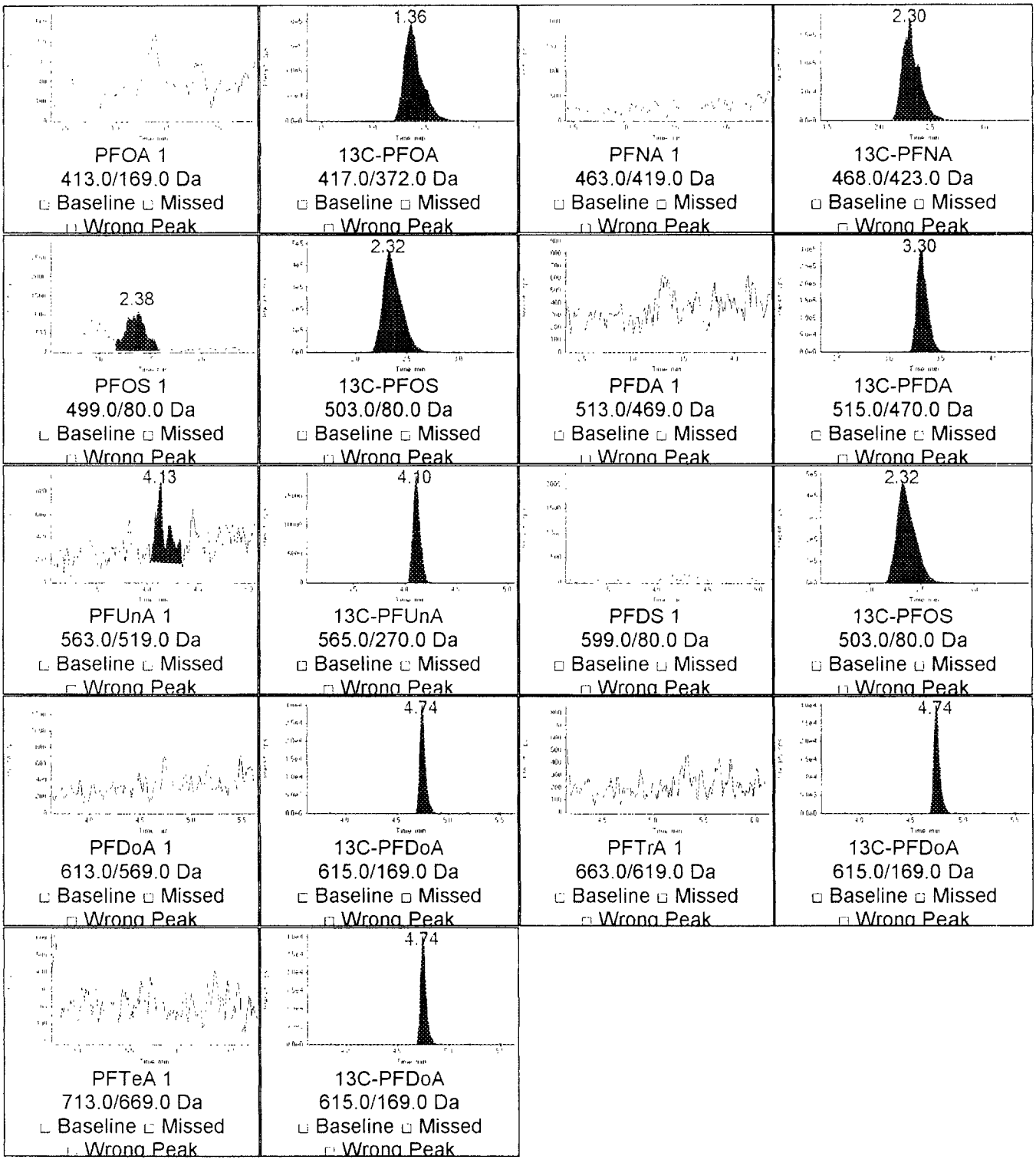
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	0.00 (1.36)	0	No	0.00 (2.38)	No
S_13C_PFOA	1.36 (1.36)	2263700	No	0.00 (50.17)	No
PFNA 2	2.47 (2.44)	170	No	0.00 (0.28)	No
S_13C_PFNA	2.30 (2.44)	1935200	No	0.00 (19.17)	No
PFOS 2	2.30 (2.53)	3022	No	0.22 (0.32)	No
S_13C-PFOS	2.32 (2.53)	5611700	No	402.88 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.30 (3.34)	2227400	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.10 (4.06)	92742	No	17.19 (1.86)	No
PFDS 2	4.29 (4.10)	273	No	0.00 (0.32)	No
PFDoA 2	4.79 (4.64)	870	No	0.00 (0.29)	No
S_13C-PFDoA	4.74 (4.64)	114340	No	0.00 (3.08)	No
PFTrA 2	5.33 (5.13)	262	No	0.00 (0.32)	No
PFTeA 2	5.74 (5.56)	182	No	0.00 (0.36)	No

Columbia Analytical Services

Quantitative Peak Review

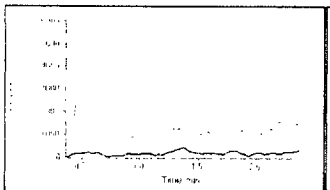
K1000911-014



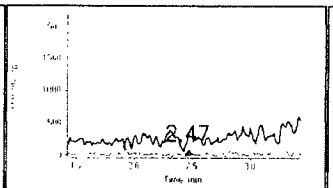
☐ Before ☐ After

Ion Ratio Confirmation

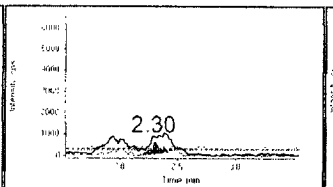
K1000911-014



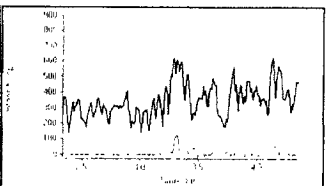
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



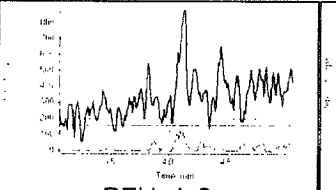
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



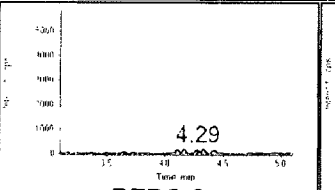
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



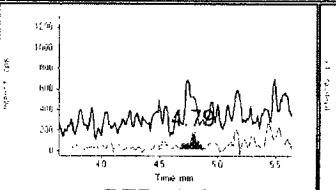
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



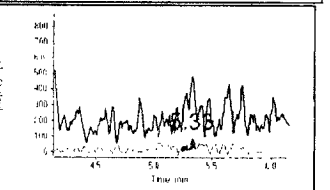
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



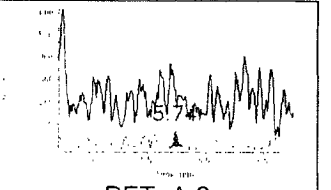
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

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Printed: 15/02/2010 2:34:00 PM

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-014	**Injection Volume**	5
Acquisition Date	2/9/2010 8:50:50 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	54	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	2638300	1.26 (1.27)	28036	0.04	No
PFPeA 1	13C-PFHxA	3308200	3.60 (3.60)	24414	0.06	No
PFBS 1	18O-PFHS	2977200	4.26 (4.26)	4726	0.02 ng/L	No
PFHxA 1	13C-PFHxA	3308200	5.29 (5.31)	53347	0.10	No
PFHpA 1	13C-PFHxA	3308200	6.23 (6.23)	15031	0.06 ng/L	No
PFHxS 1	18O-PFHS	2977200	6.31 (6.32)	39048	0.03	No
S_18O-PFHS	13C-PFDA	4233000	6.31 (6.31)	2977200	0.80	No
S_13C-PFDA	13C-PFDA	4233000	7.64 (7.65)	4233000	1.00	No

2/15/10

EFS 2/15/10

Columbia Analytical Services

IRC Summary

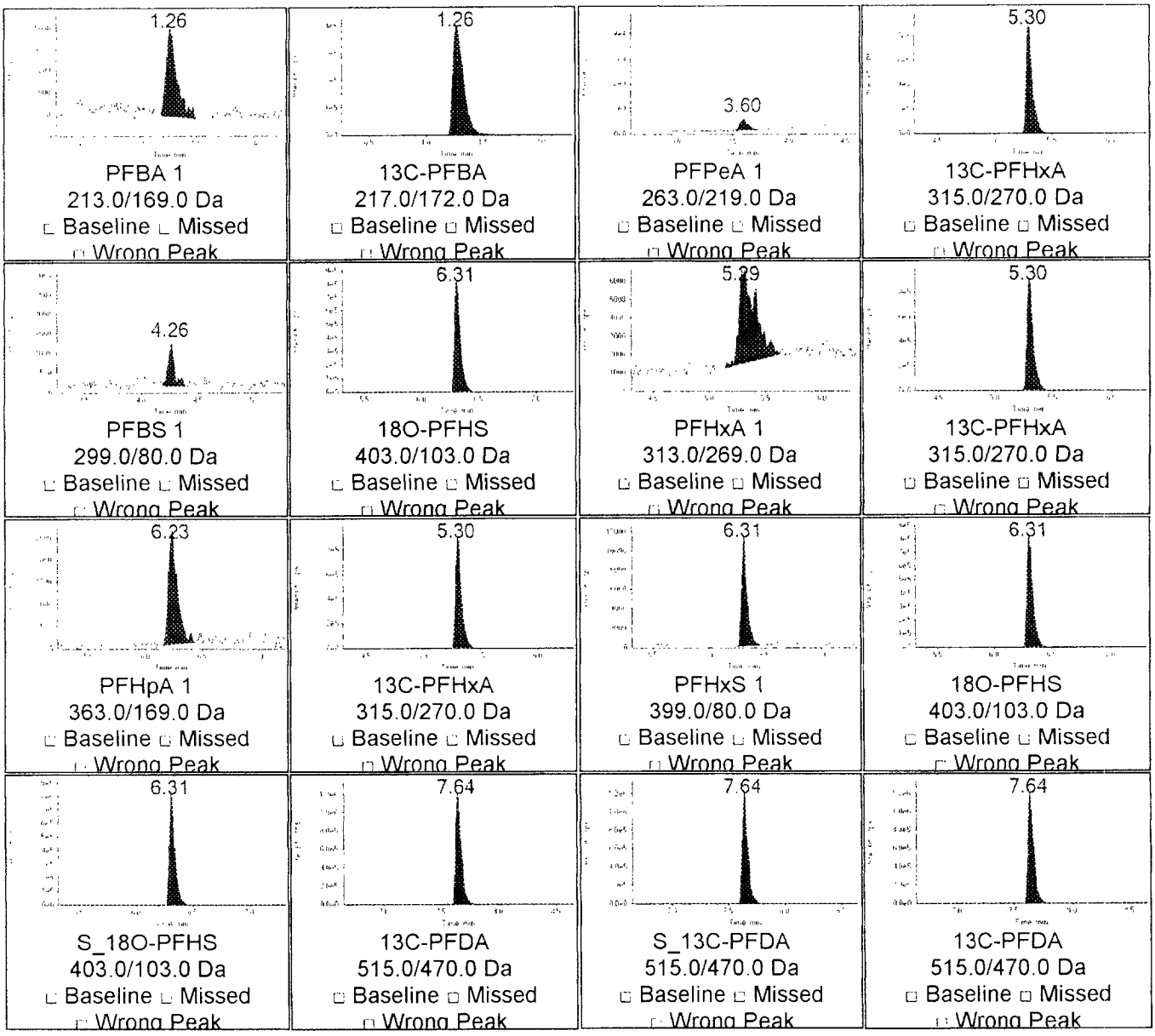
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	28036	No	1.00 (1.00)	YES
PFPeA 2	3.60 (3.60)	24414	No	1.00 (1.00)	YES
PFBS 2	0.00 (4.26)	0	No	0.00 (0.40)	No <MRL
PFHxA 2	5.34 (5.31)	5516	No	0.10 (0.10)	YES
PFHpA 2	6.21 (6.22)	238640	No	15.88 (3.03)	No <MRL
PFHxS 2	6.31 (6.32)	16817	No	0.43 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	2638300	No	94.10 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	3308200	No	62.01 (13.06)	No

Columbia Analytical Services

Created with Analyst Reporter
Printed: 15/02/2010 2 34:00 PM

Quantitative Peak Review

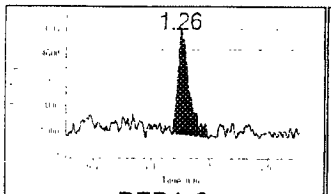
K1000911-014



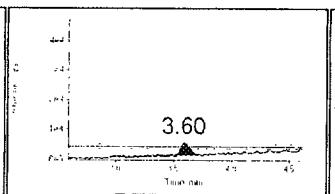
☐ Before ☐ After

Ion Ratio Confirmation

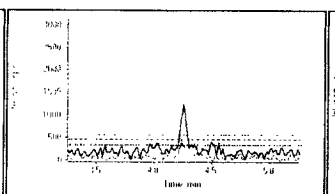
K1000911-014



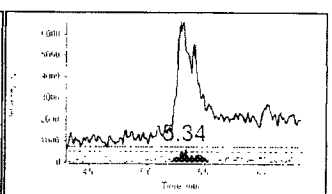
PFBA 2
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



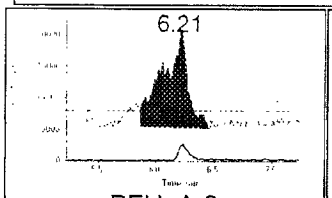
PFPeA 2
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



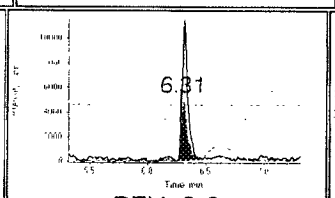
PFBS 2
299.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



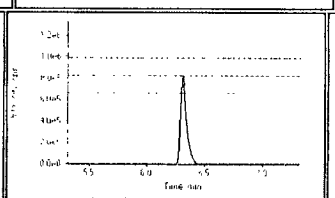
PFHxA 2
313.0/119.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHpA 2
363.0/319.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHxS 2
399.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

N/A

☐ Baseline ☐ Missed
☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-015	**Injection Volume**	5
Acquisition Date	2/8/2010 10:39:52 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	55	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	3008200	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	2230200	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	5767700	2.30 (2.53)	34416	0.071	No
PFDA 1	13C-PFDA	2614100	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	90636	4.12 (4.06)	4850	0.035	No
PFDS 1	13C-PFOS	5767700	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	121000	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	121000	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	121000	0.00 (5.74)	0	N/A	No

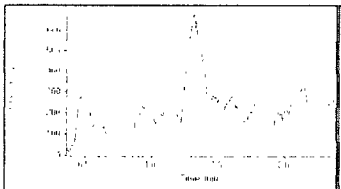
2/16/10
EFS
2/16/10

IRC Summary

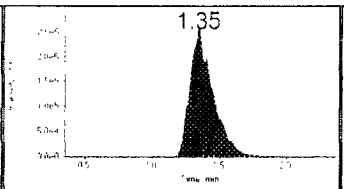
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.30 (1.36)	9216	No	0.00 (2.38)	No
S_13C_PFOA	1.35 (1.36)	3008200	No	0.00 (50.17)	No
PFNA 2	2.36 (2.44)	510	No	0.00 (0.28)	No
S_13C_PFNA	2.26 (2.44)	2230200	No	0.00 (19.17)	No
PFOS 2	0.00 (2.53)	0	No	0.00 (0.32)	No
S_13C-PFOS	2.31 (2.53)	5767700	No	167.59 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.28 (3.34)	2614100	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.09 (4.06)	90636	No	18.69 (1.86)	No
PFDS 2	3.94 (4.10)	285	No	0.00 (0.32)	No
PFDoA 2	4.73 (4.64)	1744	No	0.00 (0.29)	No
S_13C-PFDoA	4.74 (4.64)	121000	No	0.00 (3.08)	No
PFTrA 2	5.21 (5.13)	141	No	0.00 (0.32)	No
PFTeA 2	5.72 (5.56)	893	No	0.00 (0.36)	No

Columbia Analytical Services

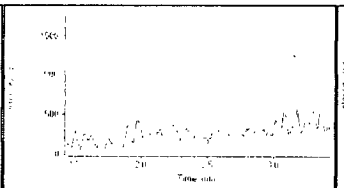
Quantitative Peak Review K1000911-015



PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFNA 1
463.0/419.0 Da
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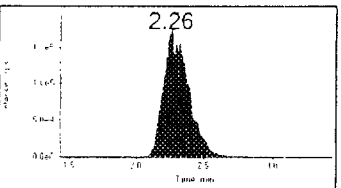
☐ Wrong Peak



13C-PFNA
468.0/423.0 Da
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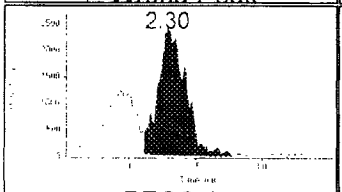
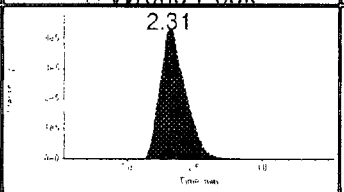
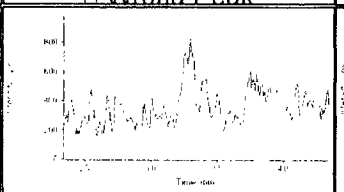
☐ Wrong Peak



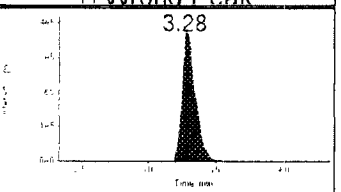
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



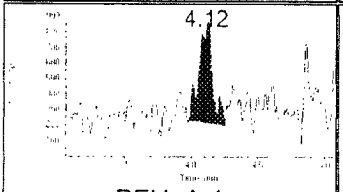
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



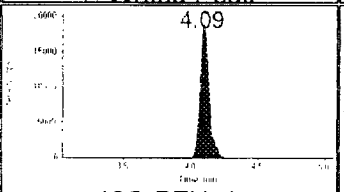
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



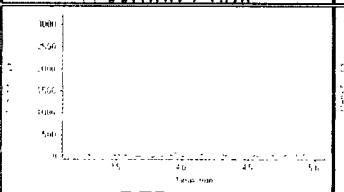
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



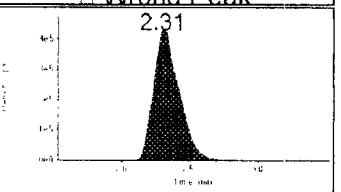
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



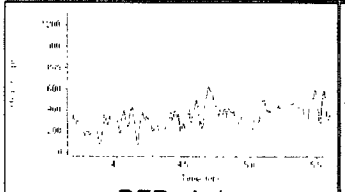
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



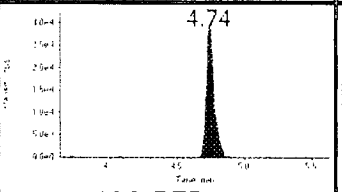
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



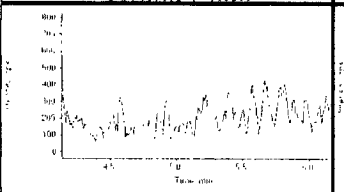
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



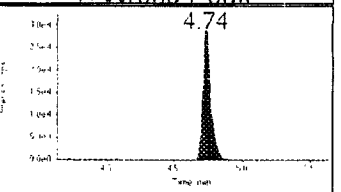
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



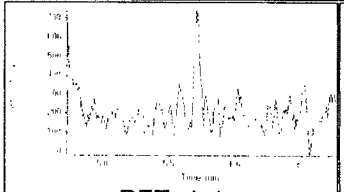
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



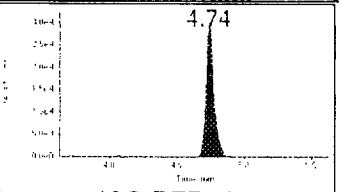
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

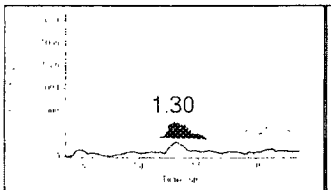


13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

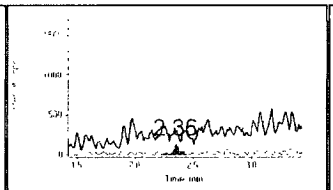
☐ Before ☐ After

Ion Ratio Confirmation

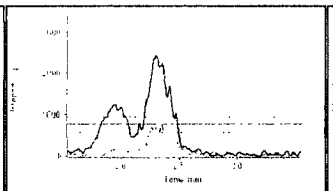
K1000911-015



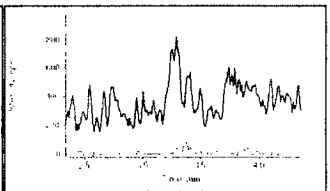
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



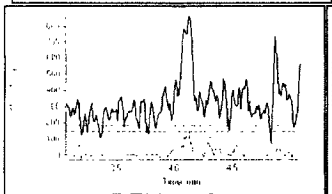
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



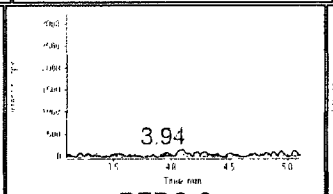
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



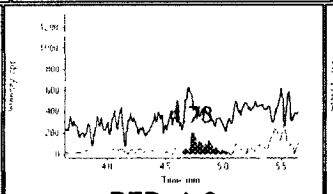
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



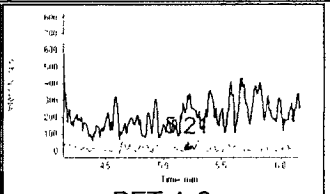
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



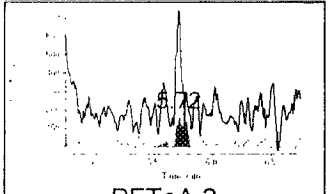
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-015	**Injection Volume**	5
Acquisition Date	2/9/2010 9:00:23 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	55	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	3432600	1.27 (1.27)	41844	0.06	No
PFPeA 1	13C-PFHxA	4675900	3.58 (3.60)	37860	0.06	No
PFBS 1	18O-PFHS	3152600	4.25 (4.26)	6043	0.02 <MRL	No
PFHxA 1	13C-PFHxA	4675900	5.29 (5.31)	52858	0.05	No
PFHpA 1	13C-PFHxA	4675900	6.23 (6.23)	16153	0.03	No
PFHxS 1	18O-PFHS	3152600	6.31 (6.32)	97998	0.09	No
S_18O-PFHS	13C-PFDA	4149500	6.31 (6.31)	3152600	0.86	No
S_13C-PFDA	13C-PFDA	4149500	7.64 (7.65)	4149500	1.00	No

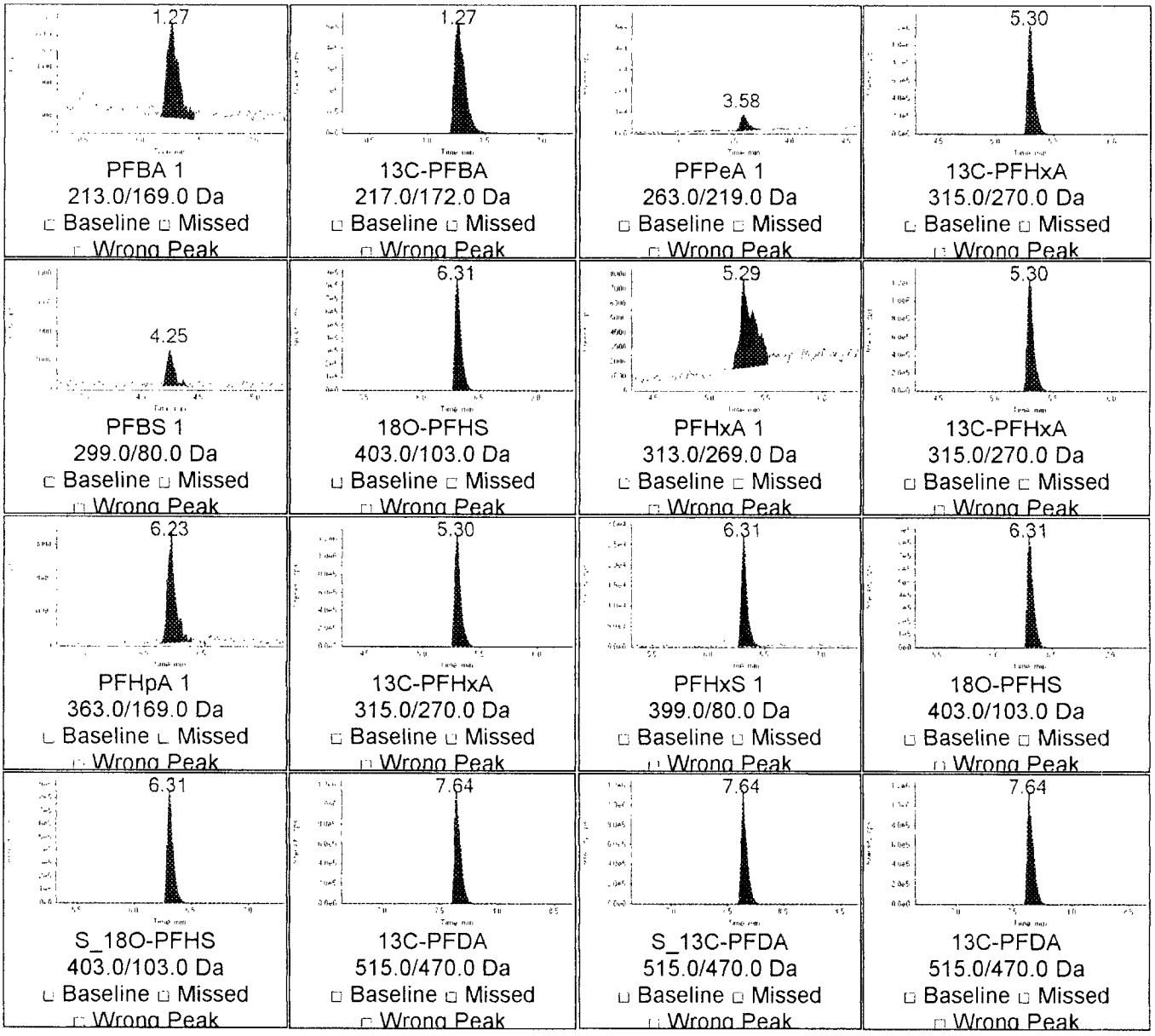
A 2/11/10
EFS
2/15/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	41844	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	37860	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	3068	No	0.51 (0.40)	No < MRL
PFHxA 2	5.31 (5.31)	7597	No	0.14 (0.10)	No
PFHpA 2	6.22 (6.22)	295190	No	18.27 (3.03)	No
PFHxS 2	6.31 (6.32)	35772	No	0.37 (0.40)	YES
S_13C-PFBA	1.27 (1.26)	3432600	No	82.03 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	4675900	No	88.46 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review K1000911-015

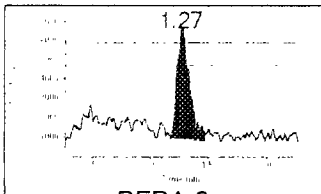
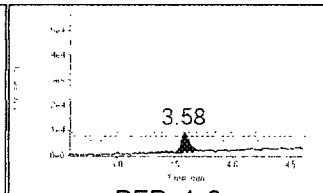
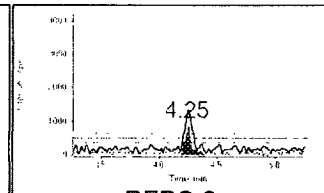
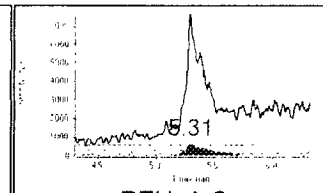
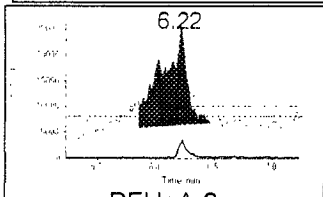
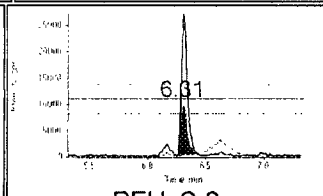
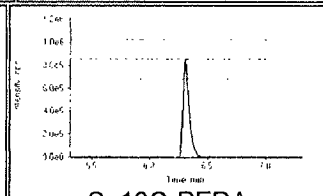


☐ Before ☐ After

Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Columbia Analytical Services

Ion Ratio Confirmation K1000911-015

 PFBA 2 213.0/169.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFPeA 2 263.0/219.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFBS 2 299.0/99.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFHxA 2 313.0/119.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak
 PFHpA 2 363.0/319.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFHxS 2 399.0/99.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	This image is not available N/A ☐ Baseline ☐ Missed ☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-016	**Injection Volume**	5
Acquisition Date	2/8/2010 10:47:24 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	56	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	2227200	1.37 (1.36)	171870	1.620	No
PFNA 1	13C-PFNA	2054700	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	6628100	2.34 (2.53)	69508	0.113	No
PFDA 1	13C-PFDA	2632800	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	112700	4.12 (4.06)	7794	0.051	No
PFDS 1	13C-PFOS	6628100	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	143560	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	143560	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	143560	0.00 (5.74)	0	N/A	No

2/18/10

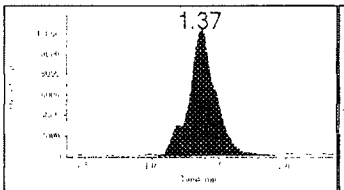
2/16/10

IRC Summary

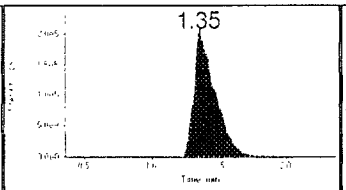
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.37 (1.36)	361430	No	2.10 (2.38)	YES
S_13C_PFOA	1.35 (1.36)	2227200	No	12.96 (50.17)	No
PFNA 2	2.29 (2.44)	491	No	0.00 (0.28)	No
S_13C_PFNA	2.29 (2.44)	2054700	No	0.00 (19.17)	No
PFOS 2	2.37 (2.53)	21468	No	0.31 (0.32)	YES
S_13C-PFOS	2.34 (2.53)	6628100	No	95.36 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.31 (3.34)	2632800	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.10 (4.06)	112700	No	14.46 (1.86)	No
PFDS 2	4.11 (4.10)	551	No	0.00 (0.32)	No
PFDoA 2	4.73 (4.64)	1196	No	0.00 (0.29)	No
S_13C-PFDoA	4.75 (4.64)	143560	No	0.00 (3.08)	No
PFTrA 2	5.27 (5.13)	354	No	0.00 (0.32)	No
PFTeA 2	5.37 (5.56)	199	No	0.00 (0.36)	No

Columbia Analytical Services

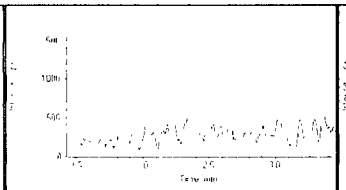
Quantitative Peak Review K1000911-016



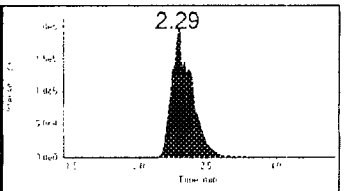
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



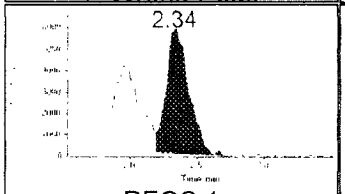
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



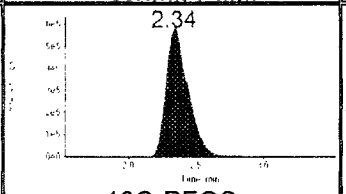
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



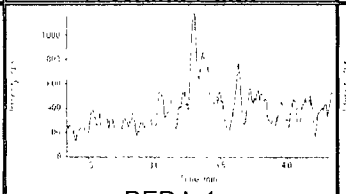
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



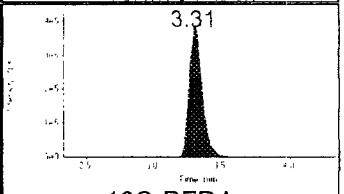
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



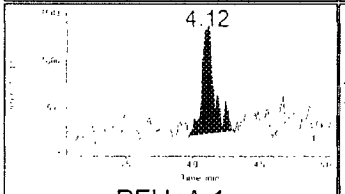
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



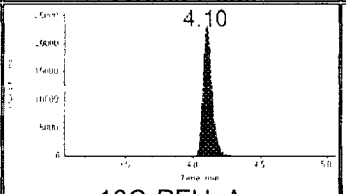
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



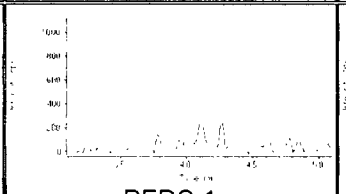
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



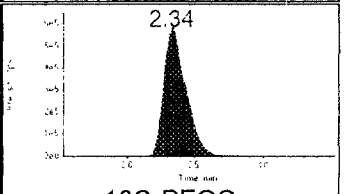
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



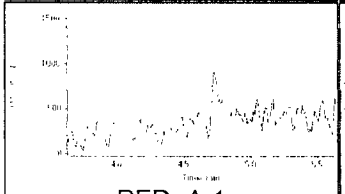
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



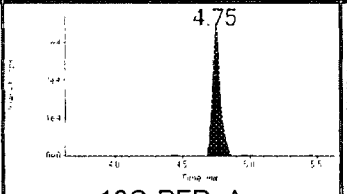
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



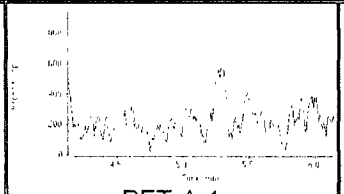
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



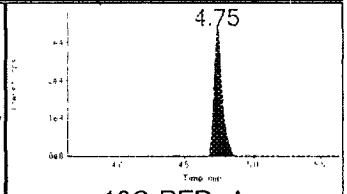
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



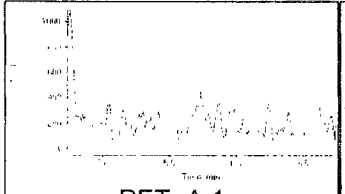
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



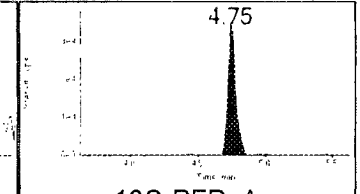
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



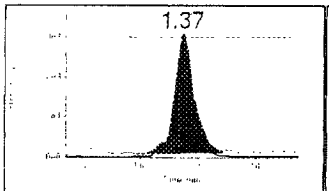
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

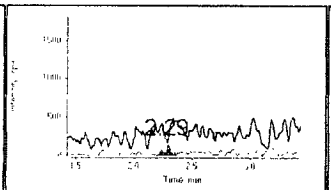
Columbia Analytical Services

Ion Ratio Confirmation

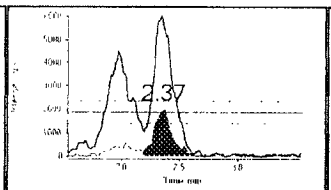
K1000911-016



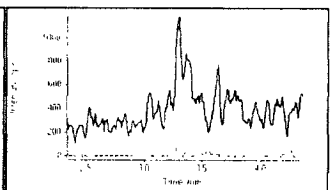
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



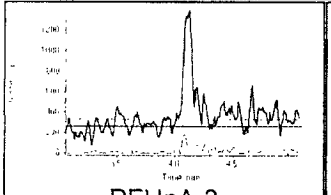
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



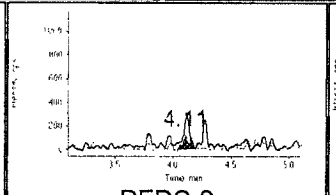
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



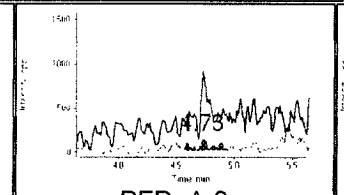
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



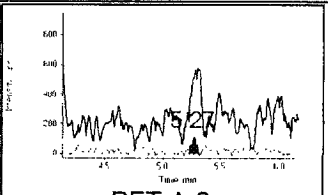
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



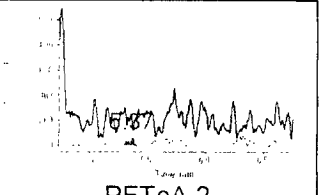
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-016	**Injection Volume**	5
Acquisition Date	2/9/2010 9:09:55 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	56	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	2405200	1.27 (1.27)	32001	0.07	No
PFPeA 1	13C-PFHxA	3016900	3.59 (3.60)	54685	0.17	No
PFBS 1	18O-PFHS	3081200	4.25 (4.26)	34014	0.05	No
PFHxA 1	13C-PFHxA	3016900	5.30 (5.31)	86119	0.21	No
PFHpA 1	13C-PFHxA	3016900	6.22 (6.23)	20942	0.12 LMRL	No
PFHxS 1	18O-PFHS	3081200	6.31 (6.32)	185170	0.17	No
S_18O-PFHS	13C-PFDA	4358600	6.31 (6.31)	3081200	0.80	No
S_13C-PFDA	13C-PFDA	4358600	7.64 (7.65)	4358600	1.00	No

A 2/16/10
EFS 2/15/10

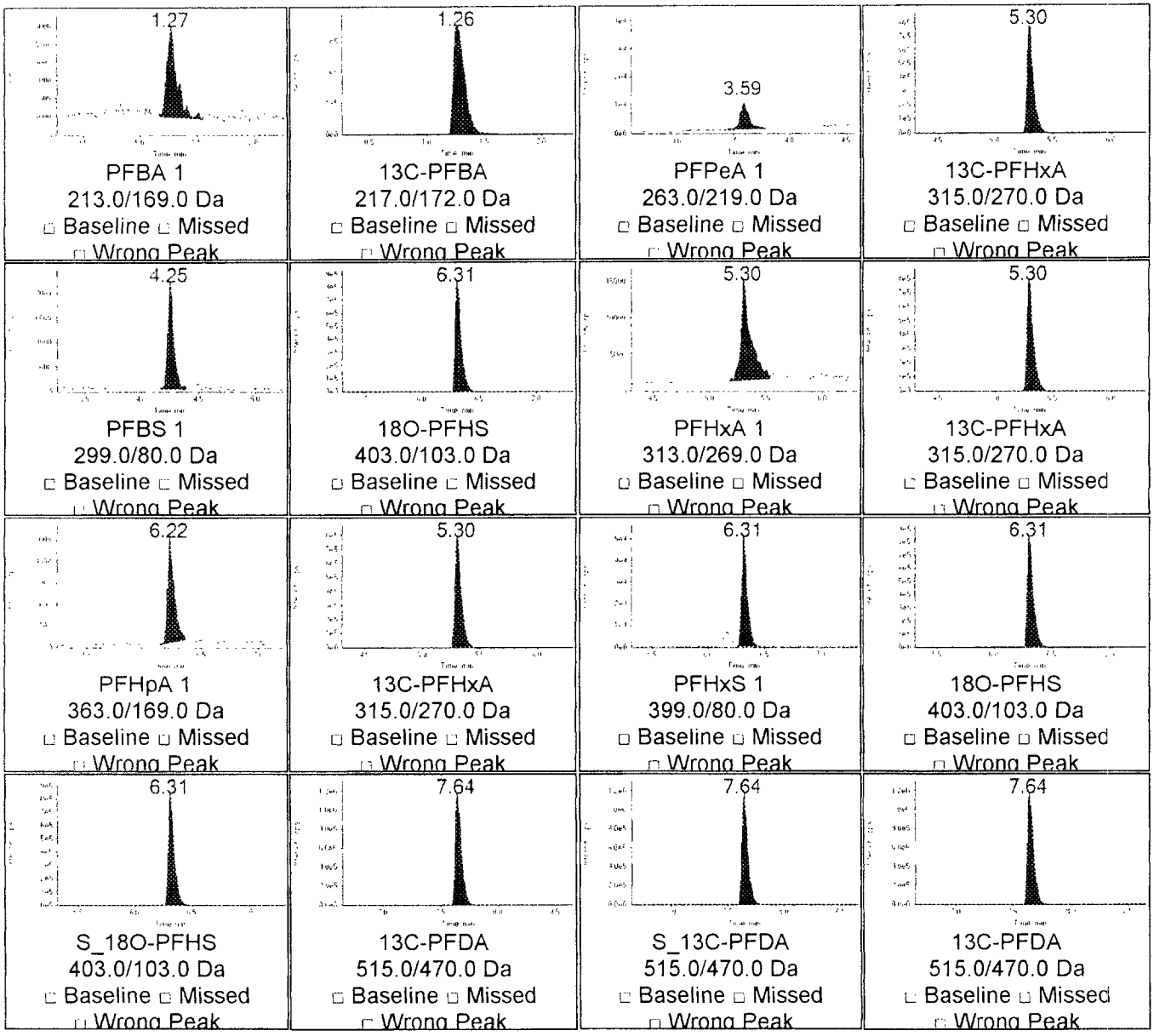
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	32001	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	54685	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	13650	No	0.40 (0.40)	YES
PFHxA 2	5.31 (5.31)	9677	No	0.11 (0.10)	YES
PFHpA 2	6.22 (6.22)	246540	No	11.77 (3.03)	No < MRL
PFHxS 2	6.31 (6.32)	65974	No	0.36 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	2405200	No	75.16 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	3016900	No	35.03 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

K1000911-016

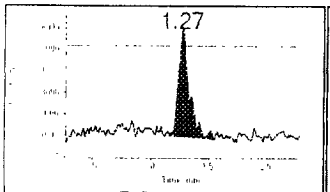


☐ Before ☐ After

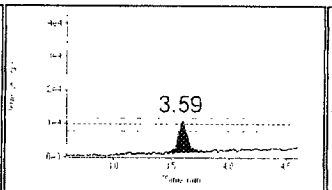
Columbia Analytical Services

Ion Ratio Confirmation

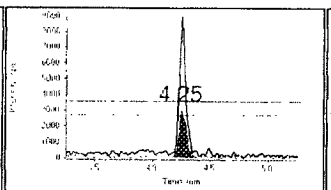
K1000911-016



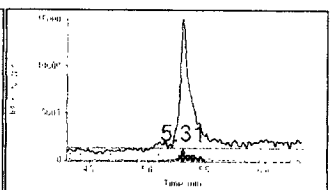
PFBA 2
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



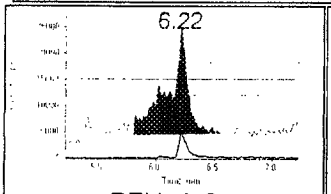
PFPeA 2
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



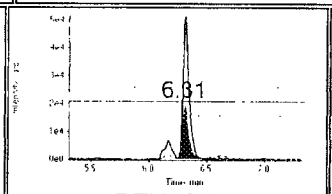
PFBS 2
299.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



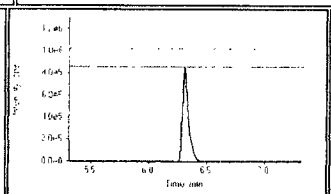
PFHxA 2
313.0/119.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



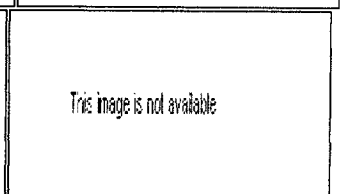
PFHpA 2
363.0/319.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHxS 2
399.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



N/A

☐ Baseline ☐ Missed
☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-017	**Injection Volume**	5
Acquisition Date	2/8/2010 10:55:01 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	57	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	1980500	1.39 (1.36)	145550	1.550	No
PFNA 1	13C-PFNA	1787500	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	6105700	2.35 (2.53)	88469	0.151	No
PFDA 1	13C-PFDA	2639200	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	118220	4.12 (4.06)	3539	0.010	No
PFDS 1	13C-PFOS	6105700	4.13 (4.10)	4367	0.027	No
PFDoA 1	13C-PFDoA	130870	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	130870	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	130870	0.00 (5.74)	0	N/A	No

A 2/18/10

EFS 2/16/10

Columbia Analytical Services

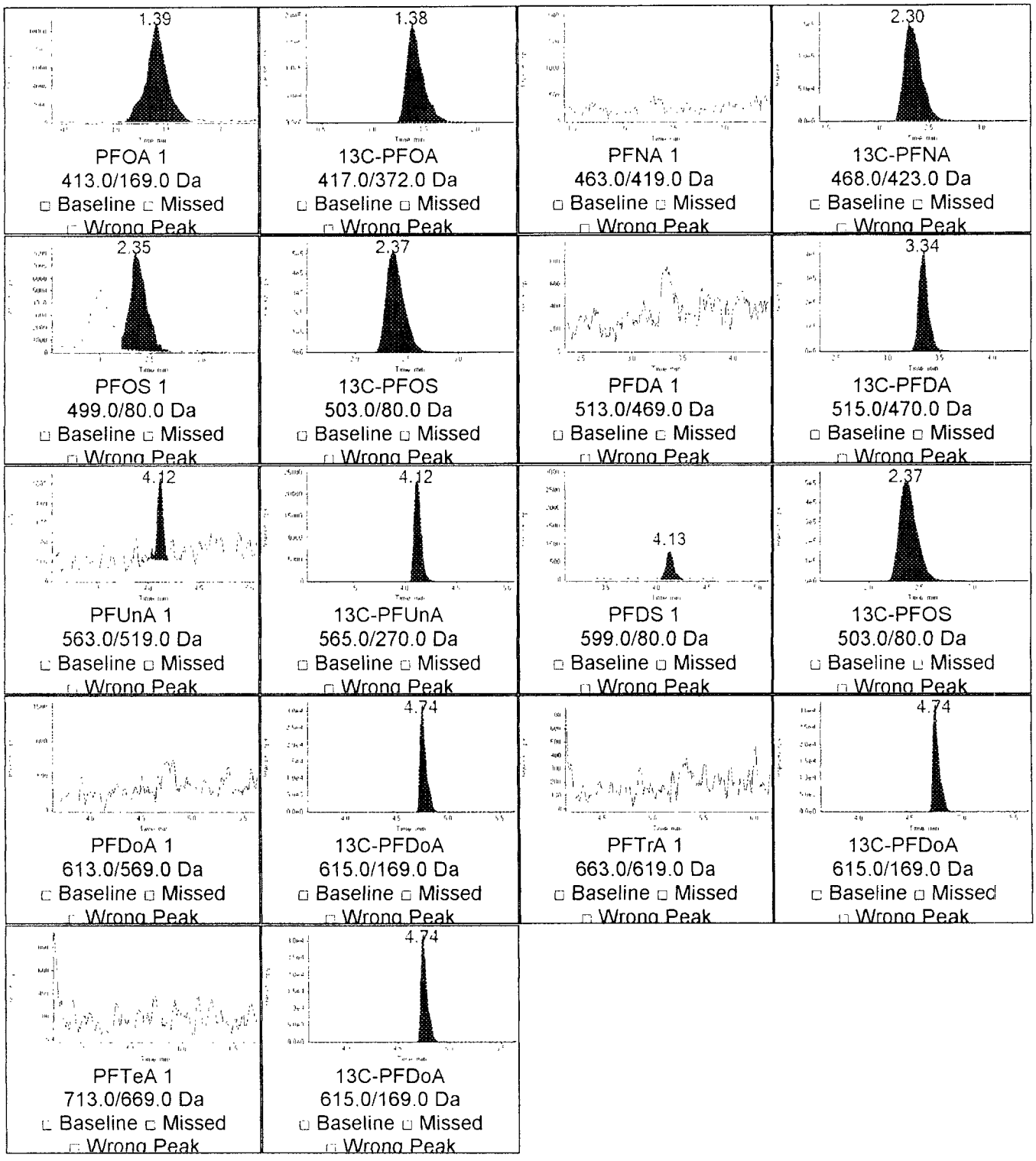
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.38 (1.36)	312200	No	2.14 (2.38)	YES
S_13C_PFOA	1.38 (1.36)	1980500	No	13.61 (50.17)	No
PFNA 2	2.26 (2.44)	600	No	0.00 (0.28)	No
S_13C_PFNA	2.30 (2.44)	1787500	No	0.00 (19.17)	No
PFOS 2	2.39 (2.53)	28901	No	0.33 (0.32)	YES
S_13C-PFOS	2.37 (2.53)	6105700	No	69.02 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.34 (3.34)	2639200	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.12 (4.06)	118220	No	33.40 (1.86)	No
PFDS 2	4.11 (4.10)	1169	No	0.27 (0.32)	YES
PFDoA 2	4.73 (4.64)	1331	No	0.00 (0.29)	No
S_13C-PFDoA	4.74 (4.64)	130870	No	0.00 (3.08)	No
PFTrA 2	5.06 (5.13)	432	No	0.00 (0.32)	No
PFTeA 2	5.78 (5.56)	341	No	0.00 (0.36)	No

Columbia Analytical Services

Quantitative Peak Review

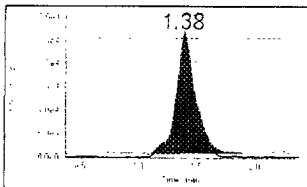
K1000911-017



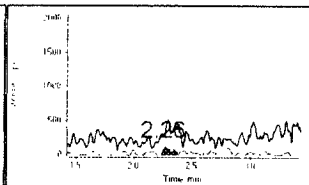
☐ Before ☐ After

Ion Ratio Confirmation

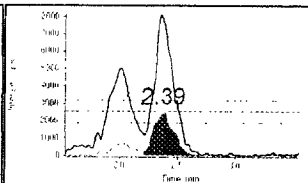
K1000911-017



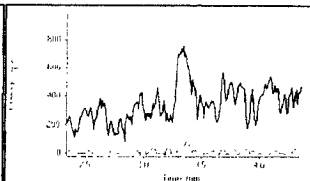
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



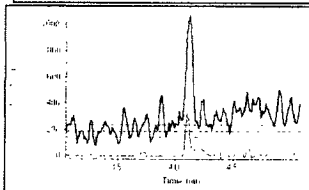
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



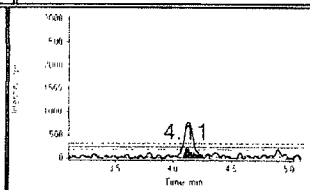
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



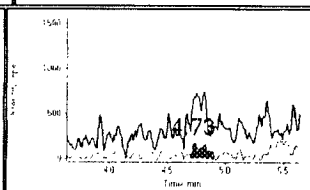
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



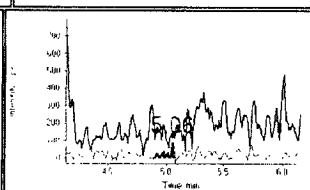
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



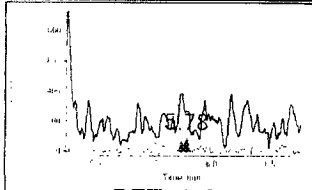
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-017	**Injection Volume**	5
Acquisition Date	2/9/2010 9:19:28 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	57	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	2478600	1.26 (1.27)	35923	0.08	No
PFPeA 1	13C-PFHxA	3024600	3.58 (3.60)	40217	0.12	No
PFBS 1	18O-PFHS	2902700	4.25 (4.26)	31747	0.05	No
PFHxA 1	13C-PFHxA	3024600	5.30 (5.31)	84373	0.21	No
PFHpA 1	13C-PFHxA	3024600	6.22 (6.23)	20716	0.12	No
PFHxS 1	18O-PFHS	2902700	6.31 (6.32)	180790	0.18	No
S_18O-PFHS	13C-PFDA	4680100	6.31 (6.31)	2902700	0.70	No
S_13C-PFDA	13C-PFDA	4680100	7.65 (7.65)	4680100	1.00	No

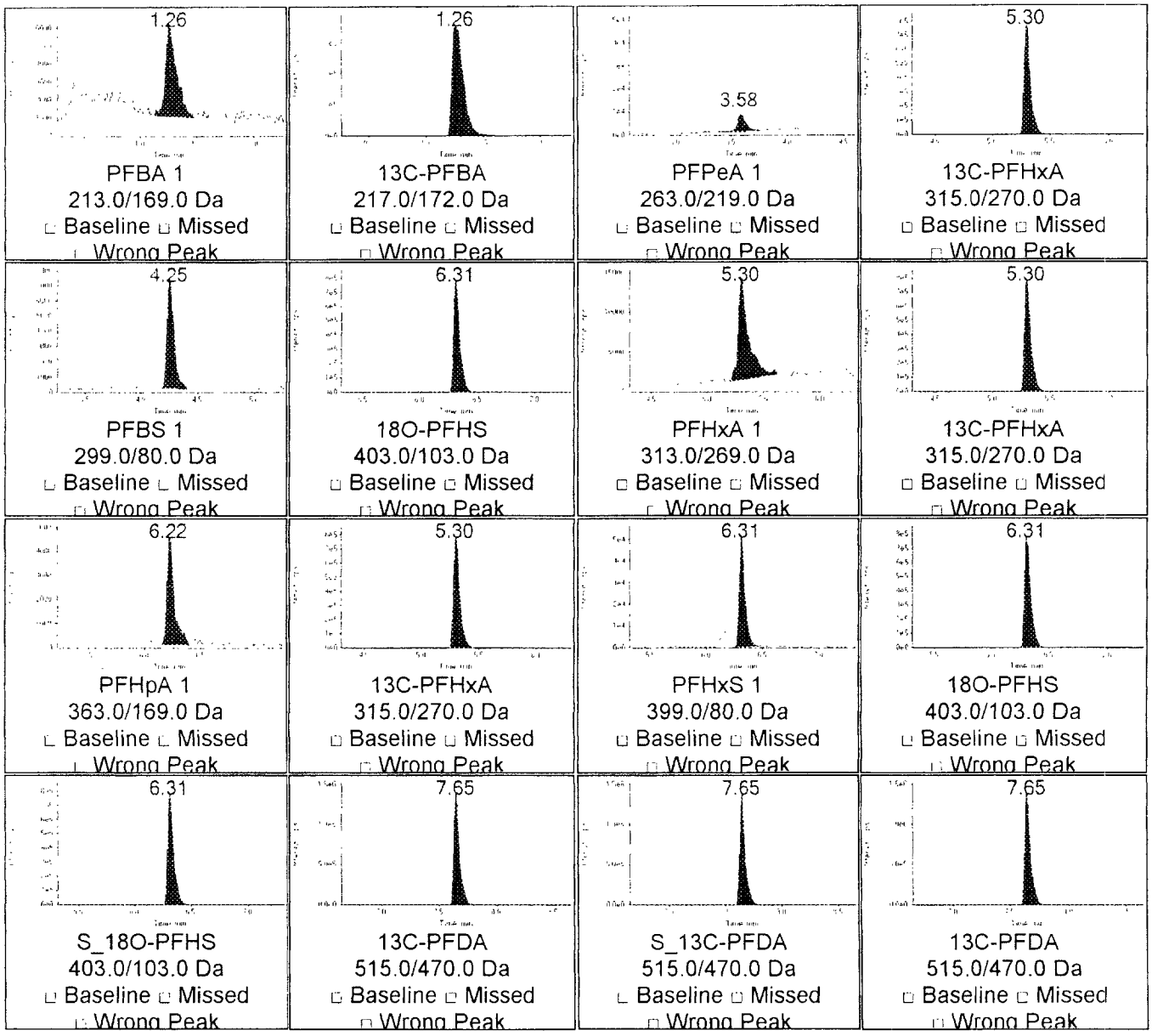
* 2/16/10
EFS
2/15/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	35923	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	40217	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	11811	No	0.37 (0.40)	YES
PFHxA 2	5.30 (5.31)	7290	No	0.09 (0.10)	YES
PFHpA 2	6.20 (6.22)	74802	No	3.61 (3.03)	YES
PFHxS 2	6.31 (6.32)	66014	No	0.37 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	2478600	No	69.00 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	3024600	No	35.85 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review K1000911-017

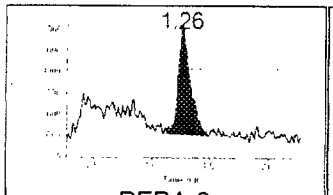


☐ Before ☐ After

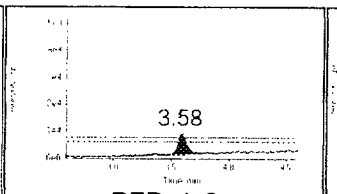
Columbia Analytical Services

Ion Ratio Confirmation

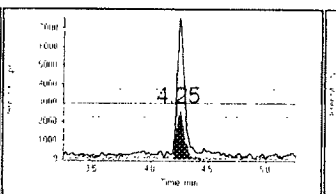
K1000911-017



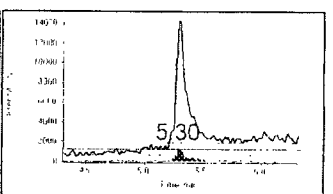
PFBA 2
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



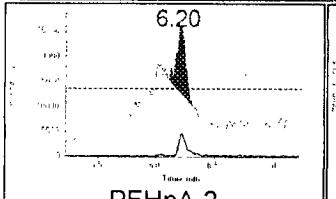
PFPeA 2
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



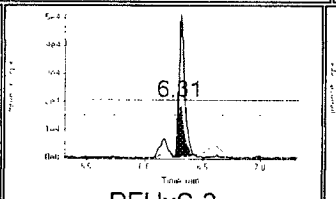
PFBS 2
299.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



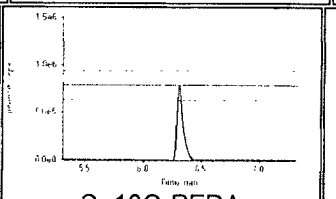
PFHxA 2
313.0/119.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHpA 2
363.0/319.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHxS 2
399.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

This image is not available

N/A

☐ Baseline ☐ Missed
☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-018	**Injection Volume**	5
Acquisition Date	2/8/2010 11:02:36 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	58	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	3103100	1.39 (1.36)	232070	1.570	No
PFNA 1	13C-PFNA	2075500	2.32 (2.42)	36650	0.178	No
PFOS 1	13C-PFOS	5243700	2.37 (2.53)	1767900	3.180	No
PFDA 1	13C-PFDA	2376700	3.34 (3.34)	22682	0.119	No
PFUnA 1	13C-PFUnA	96754	4.10 (4.06)	6862	0.053	No
PFDS 1	13C-PFOS	5243700	4.11 (4.10)	20200	0.053	No
PFDoA 1	13C-PFDoA	108200	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	108200	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	108200	0.00 (5.74)	0	N/A	No

A
2/16/10

ETS
2/16/10

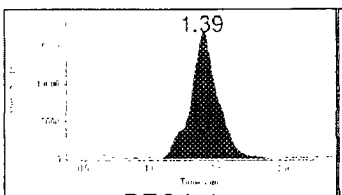
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.40 (1.36)	467030	No	2.01 (2.38)	YES
S_13C_PFOA	1.39 (1.36)	3103100	No	13.37 (50.17)	No
PFNA 2	2.32 (2.44)	10898	No	0.30 (0.28)	YES
S_13C_PFNA	2.34 (2.44)	2075500	No	56.63 (19.17)	No
PFOS 2	2.37 (2.53)	532070	No	0.30 (0.32)	YES
S_13C-PFOS	2.36 (2.53)	5243700	No	2.97 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.32 (3.34)	2376700	No	104.78 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.11 (4.06)	96754	No	14.10 (1.86)	No
PFDS 2	4.13 (4.10)	7486	No	0.37 (0.32)	YES
PFDoA 2	4.74 (4.64)	1494	No	0.00 (0.29)	No
S_13C-PFDoA	4.75 (4.64)	108200	No	0.00 (3.08)	No
PFTrA 2	5.32 (5.13)	460	No	0.00 (0.32)	No
PFTeA 2	5.34 (5.56)	252	No	0.00 (0.36)	No

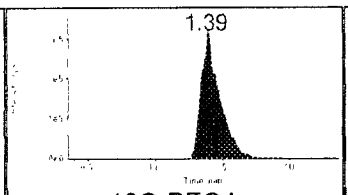
Columbia Analytical Services

Quantitative Peak Review

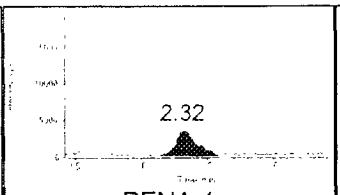
K1000911-018



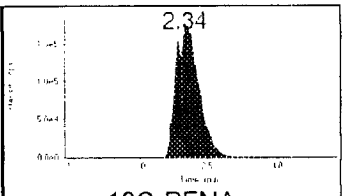
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



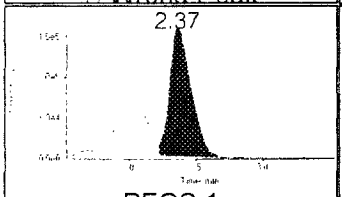
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



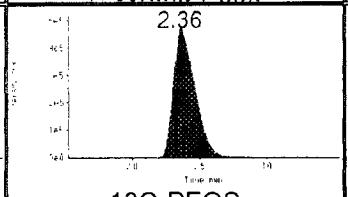
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



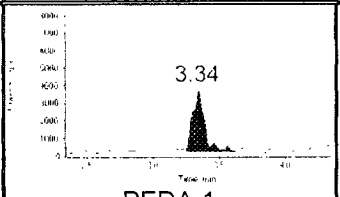
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



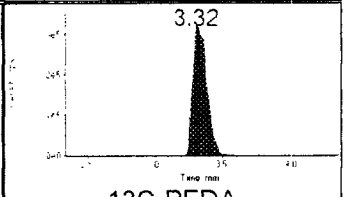
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



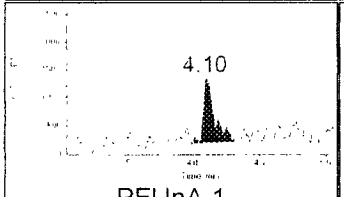
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



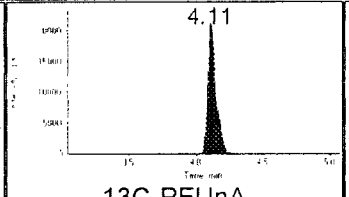
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



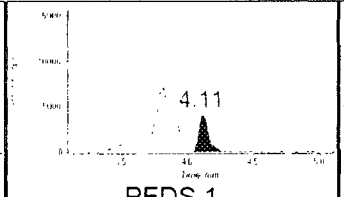
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



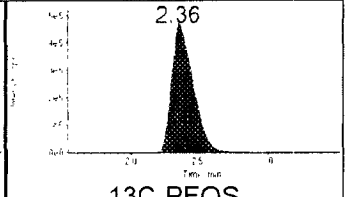
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



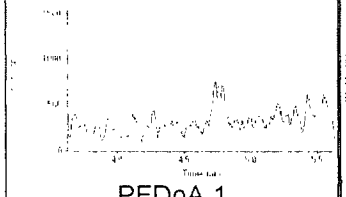
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



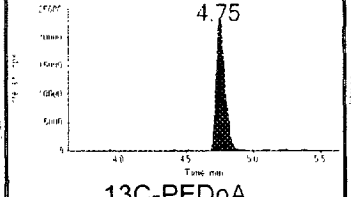
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



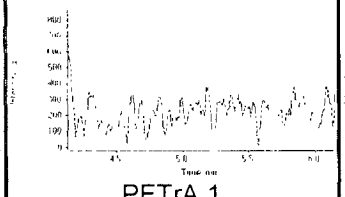
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



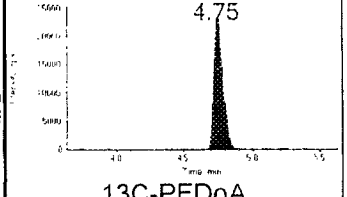
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



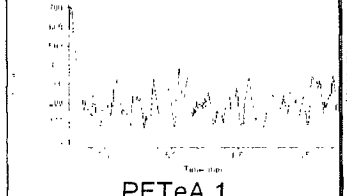
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



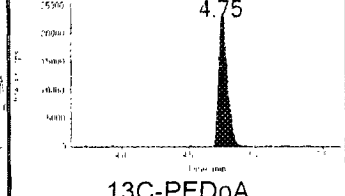
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

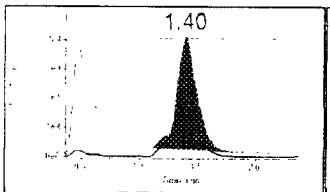


13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

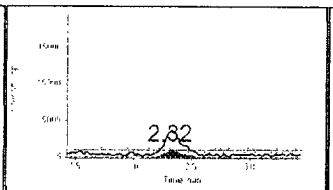
☐ Before ☐ After

Ion Ratio Confirmation

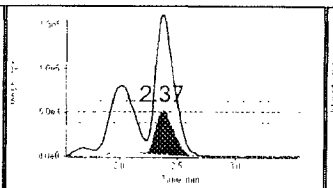
K1000911-018



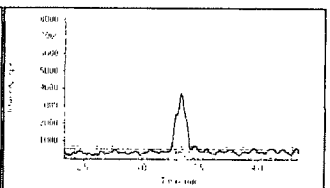
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



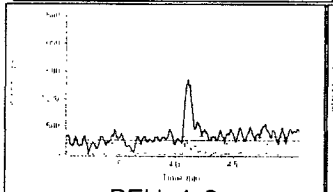
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



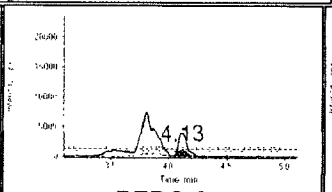
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



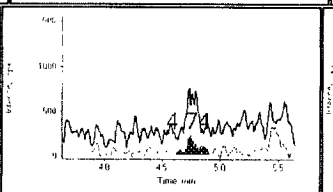
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



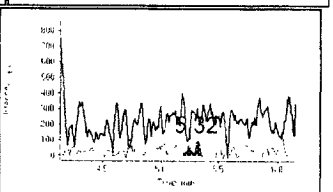
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



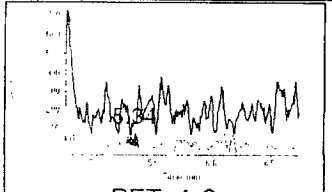
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-018	**Injection Volume**	5
Acquisition Date	2/9/2010 9:29:03 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	58	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	3905700	1.26 (1.27)	156640	0.32	No
PFPeA 1	13C-PFHxA	5026500	3.60 (3.60)	260310	0.52	No
PFBS 1	18O-PFHS	3180100	4.26 (4.26)	245730	0.24	No
PFHxA 1	13C-PFHxA	5026500	5.31 (5.31)	316170	0.53	No
PFHpA 1	13C-PFHxA	5026500	6.22 (6.23)	93061	0.42	No
PFHxS 1	18O-PFHS	3180100	6.31 (6.32)	1309100	1.23	No
S_18O-PFHS	13C-PFDA	4170300	6.31 (6.31)	3180100	0.87	No
S_13C-PFDA	13C-PFDA	4170300	7.65 (7.65)	4170300	1.00	No

2/16/10
CTS
2/15/10

Columbia Analytical Services

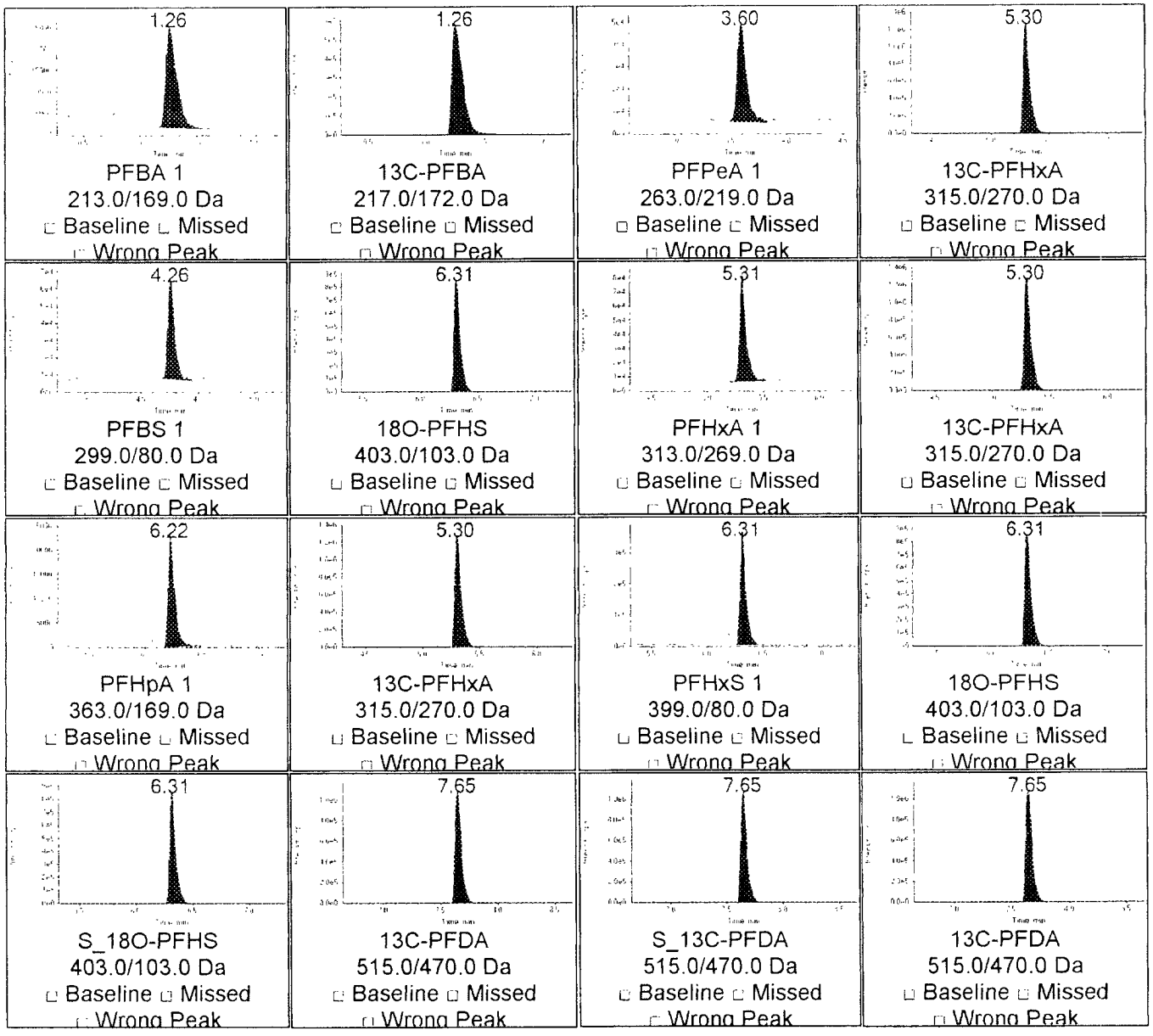
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	156640	No	1.00 (1.00)	YES
PFPeA 2	3.60 (3.60)	260310	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	92190	No	0.38 (0.40)	YES
PFHxA 2	5.30 (5.31)	27049	No	0.09 (0.10)	YES
PFHpA 2	6.22 (6.22)	300620	No	3.23 (3.03)	YES
PFHxS 2	6.31 (6.32)	497560	No	0.38 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	3905700	No	24.93 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5026500	No	15.90 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

K1000911-018

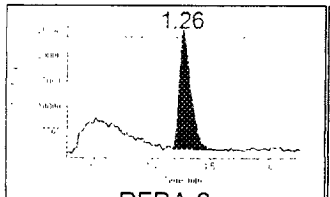
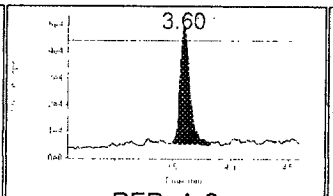
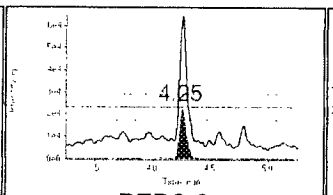
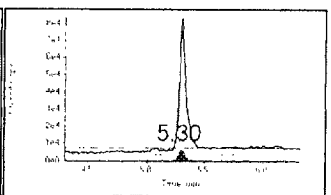
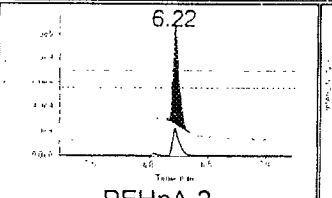
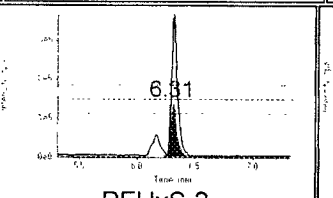
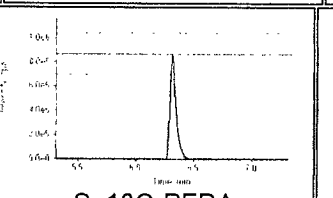


☐ Before ☐ After

Columbia Analytical Services

Ion Ratio Confirmation

K1000911-018

 PFBA 2 213.0/169.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFPeA 2 263.0/219.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFBS 2 299.0/99.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFHxA 2 313.0/119.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak
 PFHpA 2 363.0/319.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 PFHxS 2 399.0/99.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da ☐ Baseline ☐ Missed ☐ Wrong Peak	This image is not available N/A ☐ Baseline ☐ Missed ☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000911-019	**Injection Volume**	5
Acquisition Date	2/8/2010 11:10:10 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	59	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	3138700	1.34 (1.36)	8053	0.087	No
PFNA 1	13C-PFNA	2375900	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	5901000	2.32 (2.53)	50829	0.095	No
PFDA 1	13C-PFDA	2419900	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	96973	4.10 (4.06)	4308	0.025	No
PFDS 1	13C-PFOS	5901000	4.10 (4.10)	2434	0.024	No
PFDoA 1	13C-PFDoA	122360	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	122360	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	122360	0.00 (5.74)	0	N/A	No

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EFS 2/16/10

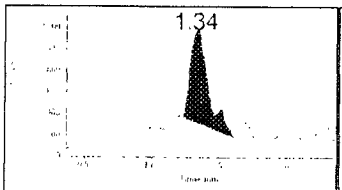
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.32 (1.36)	19968	No	2.48 (2.38)	YES
S_13C_PFOA	1.34 (1.36)	3138700	No	389.76 (50.17)	No
PFNA 2	2.36 (2.44)	450	No	0.00 (0.28)	No
S_13C_PFNA	2.28 (2.44)	2375900	No	0.00 (19.17)	No
PFOS 2	2.34 (2.53)	16101	No	0.32 (0.32)	YES
S_13C-PFOS	2.33 (2.53)	5901000	No	116.10 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.30 (3.34)	2419900	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.09 (4.06)	96973	No	22.51 (1.86)	No
PFDS 2	4.11 (4.10)	502	No	0.21 (0.32)	No
PFDoA 2	4.73 (4.64)	1626	No	0.00 (0.29)	No
S_13C-PFDoA	4.74 (4.64)	122360	No	0.00 (3.08)	No
PFTrA 2	5.26 (5.13)	933	No	0.00 (0.32)	No
PFTeA 2	5.74 (5.56)	362	No	0.00 (0.36)	No

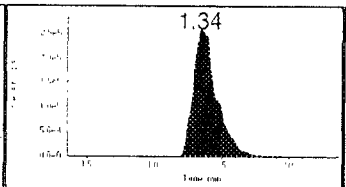
Columbia Analytical Services

Quantitative Peak Review

K1000911-019



PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOA
417.0/372.0 Da
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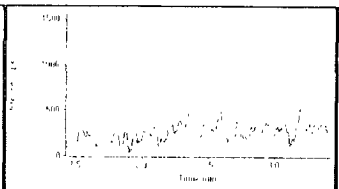
☐ Wrong Peak



PFNA 1
463.0/419.0 Da
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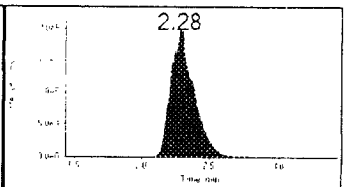
☐ Wrong Peak



13C-PFNA
468.0/423.0 Da
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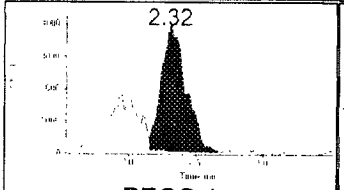
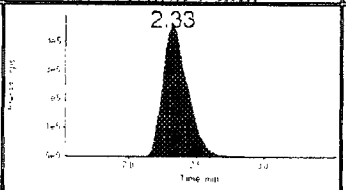
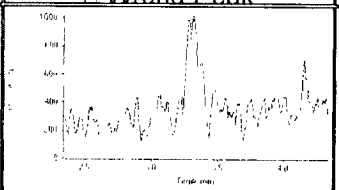
☐ Wrong Peak



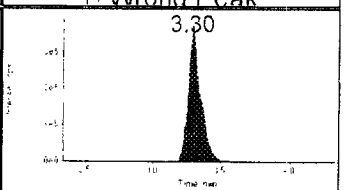
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



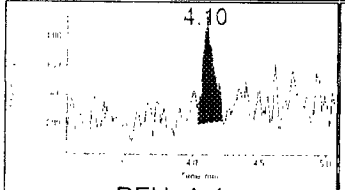
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



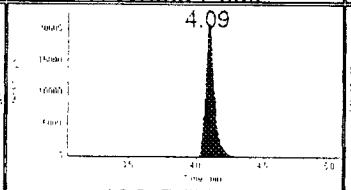
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



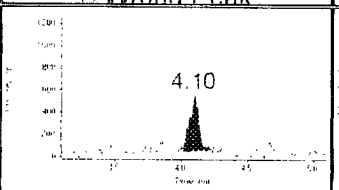
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



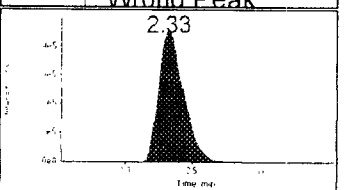
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



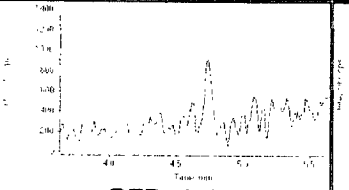
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



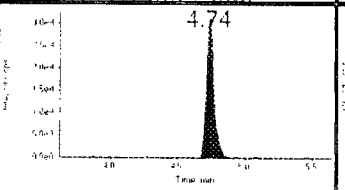
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



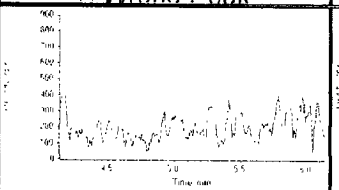
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



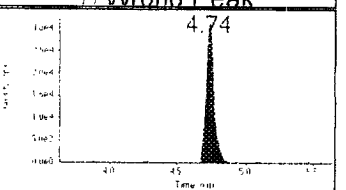
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



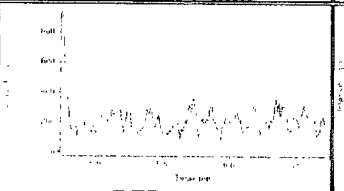
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



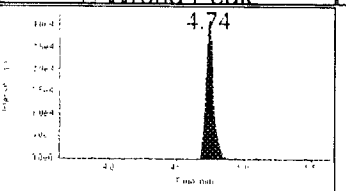
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

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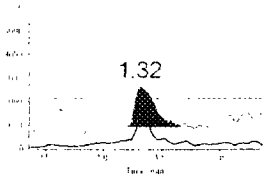
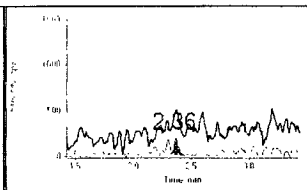
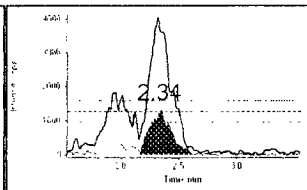
Ion Ratio Confirmation K1000911-019



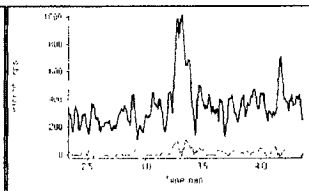
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



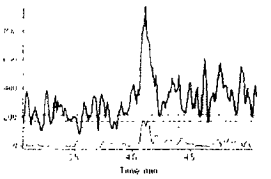
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
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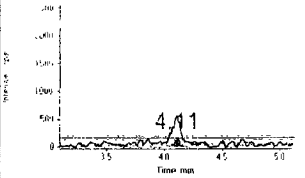
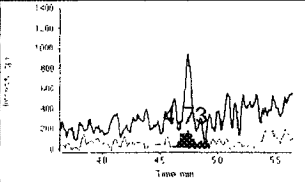
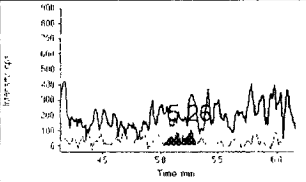


PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
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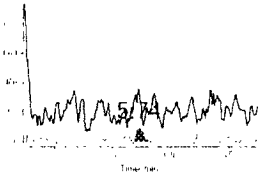


PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000911-019	**Injection Volume**	5
Acquisition Date	2/9/2010 9:38:35 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	59	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	3763200	1.26 (1.27)	115610	0.23	No
PFPeA 1	13C-PFHxA	4768300	3.59 (3.60)	69518	0.13	No
PFBS 1	18O-PFHS	3463800	4.25 (4.26)	21603	0.04	No
PFHxA 1	13C-PFHxA	4768300	5.30 (5.31)	101400	0.14	No
PFHpA 1	13C-PFHxA	4768300	6.21 (6.23)	19991	0.05 ~MRL	No
PFHxS 1	18O-PFHS	3463800	6.31 (6.32)	90995	0.07	No
S_18O-PFHS	13C-PFDA	4549400	6.31 (6.31)	3463800	0.86	No
S_13C-PFDA	13C-PFDA	4549400	7.64 (7.65)	4549400	1.00	No

2/16/10
EFS
2/15/10

Columbia Analytical Services

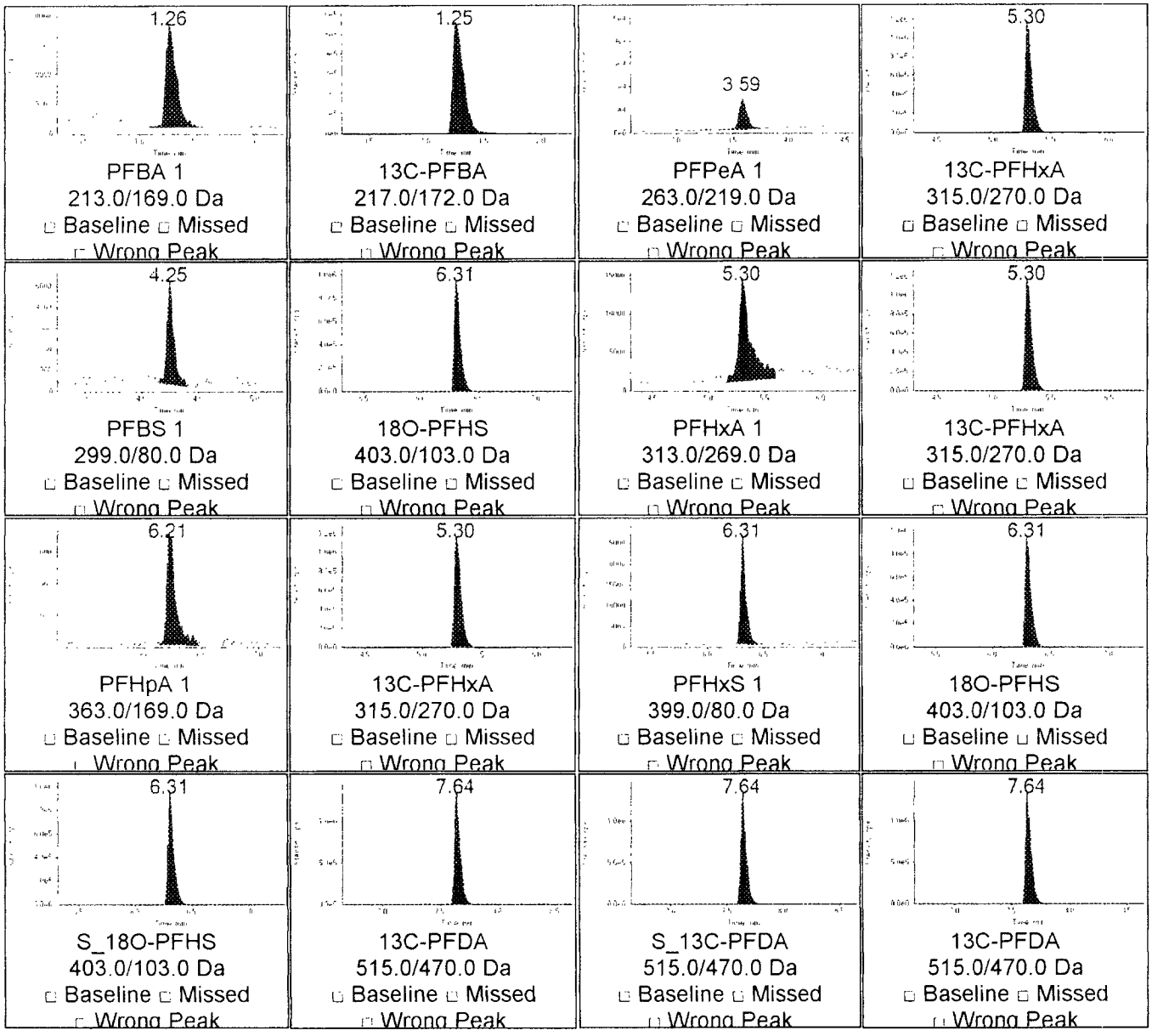
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	115610	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	69518	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	7942	No	0.37 (0.40)	YES
PFHxA 2	5.30 (5.31)	9080	No	0.09 (0.10)	YES
PFHpA 2	6.21 (6.22)	371810	No	18.60 (3.03)	No EMPC
PFHxS 2	6.31 (6.32)	36014	No	0.40 (0.40)	YES
S_13C-PFBA	1.25 (1.26)	3763200	No	32.55 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	4768300	No	47.02 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

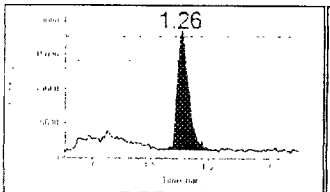
K1000911-019



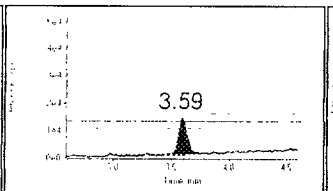
☐ Before ☐ After

Columbia Analytical Services

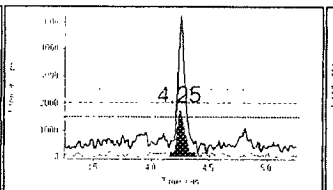
Ion Ratio Confirmation K1000911-019



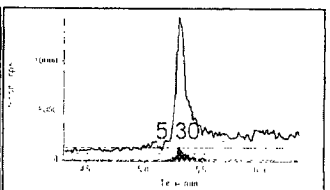
PFBA 2
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



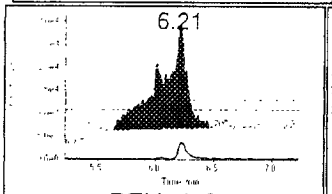
PFPeA 2
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



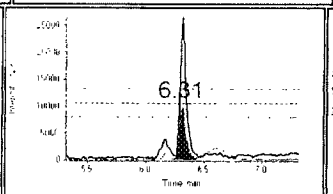
PFBS 2
299.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



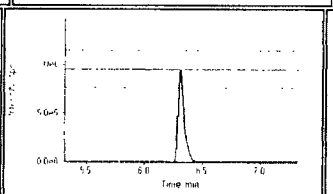
PFHxA 2
313.0/119.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHpA 2
363.0/319.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFHxS 2
399.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

This image is not available

N/A

☐ Baseline ☐ Missed
☐ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-04 MB	**Injection Volume**	5
Acquisition Date	2/9/2010 10:07:18 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	62	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4940500	1.26 (1.27)	57792	0.05	No
PFPeA 1	13C-PFHxA	5543000	3.59 (3.60)	73994	0.12	No
PFBS 1	18O-PFHS	3134300	4.25 (4.26)	10230	0.03	No
PFHxA 1	13C-PFHxA	5543000	5.31 (5.31)	64231	0.05	No
PFHpA 1	13C-PFHxA	5543000	6.22 (6.23)	16836	0.02	No
PFHxS 1	18O-PFHS	3134300	6.31 (6.32)	52991	0.04	No
S_18O-PFHS	13C-PFDA	4457300	6.30 (6.31)	3134300	0.80	No
S_13C-PFDA	13C-PFDA	4457300	7.64 (7.65)	4457300	1.00	No

4 2/11/10

EFS 2/15/10

Columbia Analytical Services

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	57792	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	73994	No	1.00 (1.00)	YES
PFBS 2	4.26 (4.26)	4317	No	0.42 (0.40)	YES
PFHxA 2	0.00 (5.31)	0	No	0.00 (0.10)	No
PFHpA 2	6.22 (6.22)	224960	No	13.36 (3.03)	No
PFHxS 2	6.31 (6.32)	18134	No	0.34 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4940500	No	85.49 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5543000	No	86.30 (13.06)	No

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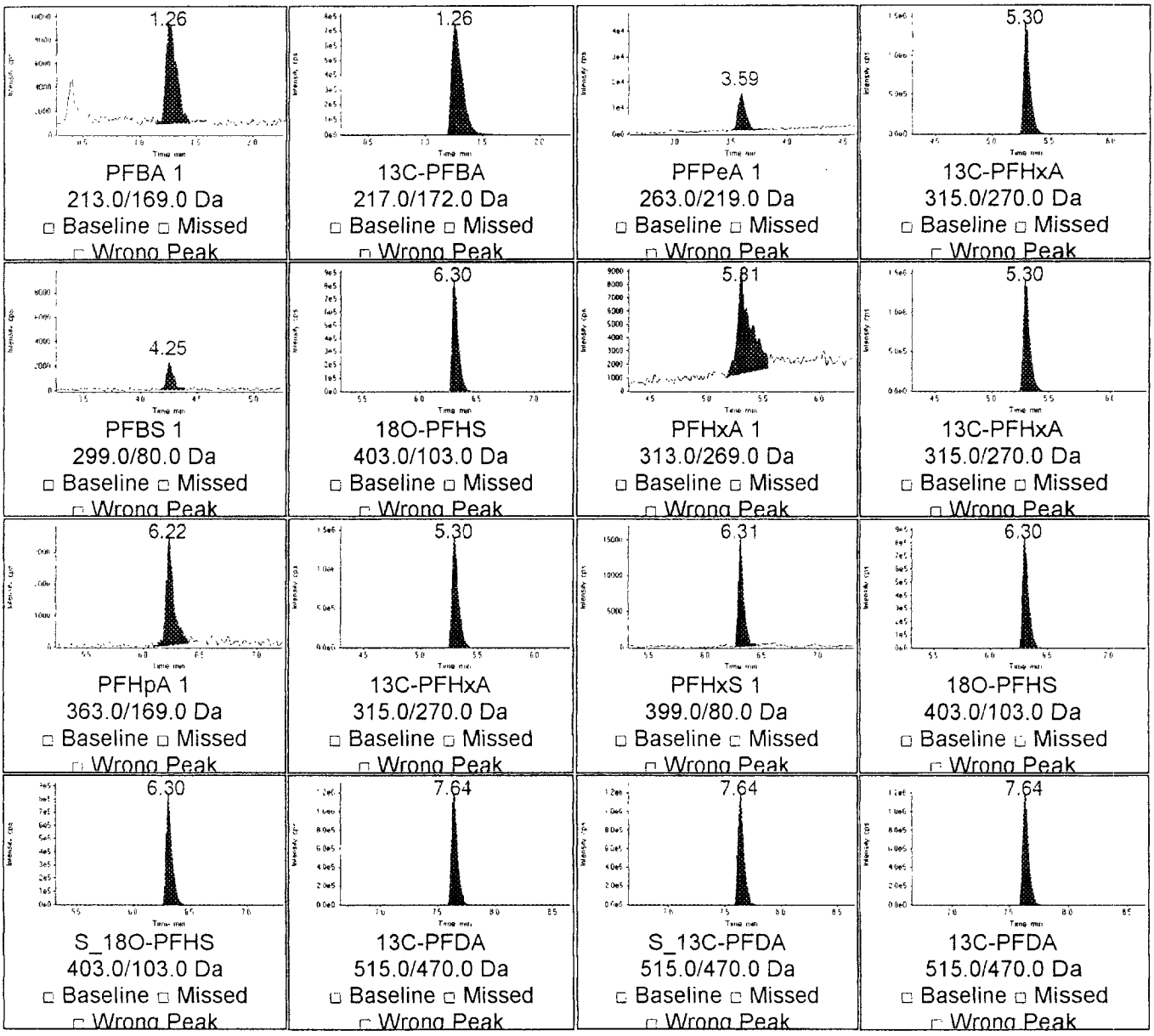
Printed: 15/02/2010 2:34:00 PM

Columbia Analytical Services

Quantitative Peak Review

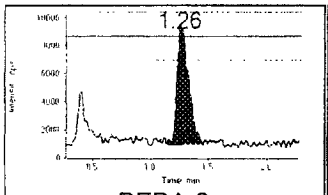
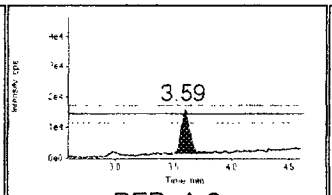
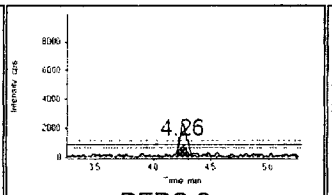
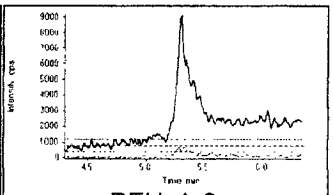
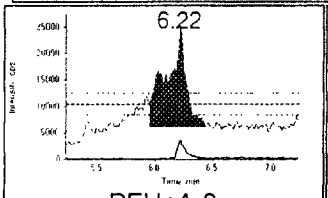
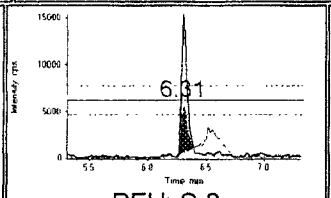
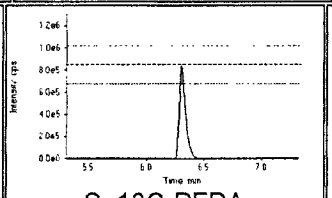
KQ1000532-04



☐ Before ☐ After

Columbia Analytical Services

Ion Ratio Confirmation KQ1000532-04

 PFBA 2 213.0/169.0 Da □ Baseline □ Missed □ Wrong Peak	 PFPeA 2 263.0/219.0 Da □ Baseline □ Missed □ Wrong Peak	 PFBS 2 299.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxA 2 313.0/119.0 Da □ Baseline □ Missed □ Wrong Peak
 PFHpA 2 363.0/319.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxS 2 399.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da □ Baseline □ Missed □ Wrong Peak	This image is not available N/A □ Baseline □ Missed □ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

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Printed: 14/02/2010 6:41:00 PM

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-04 MB	**Injection Volume**	5
Acquisition Date	2/8/2010 11:32:52 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	62	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	3286600	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	2543200	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	6352500	2.32 (2.53)	34857	0.066	No
PFDA 1	13C-PFDA	2564200	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	134510	4.09 (4.06)	7404	0.036	No
PFDS 1	13C-PFOS	6352500	4.12 (4.10)	17556	0.044	No
PFDoA 1	13C-PFDoA	143760	4.75 (4.63)	6189	0.045	No
PFTrA 1	13C-PFDoA	143760	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	143760	0.00 (5.74)	0	N/A	No

ETS
2/16/10

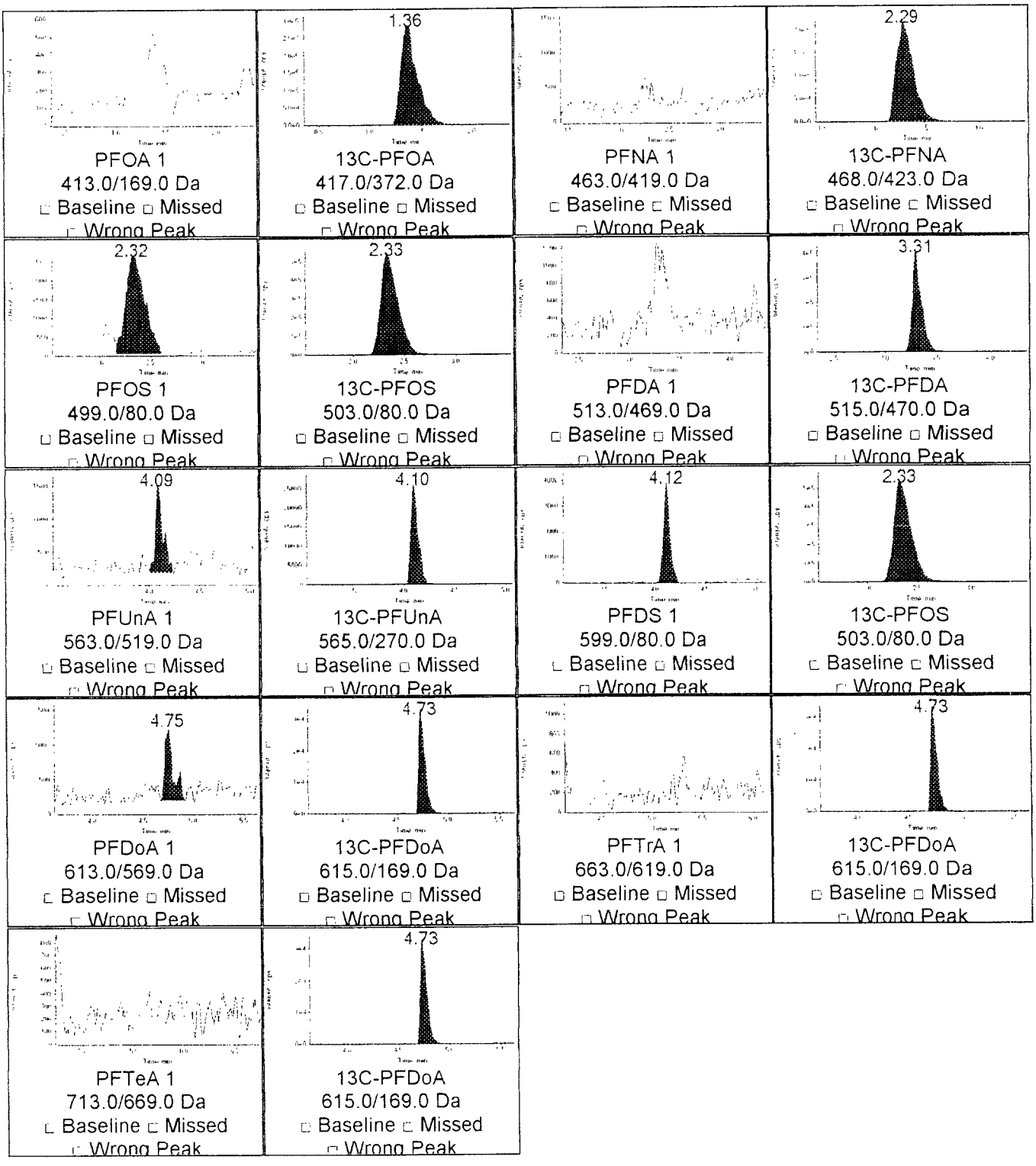
Columbia Analytical Services

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.35 (1.36)	9693	No	0.00 (2.38)	No
S_13C_PFOA	1.36 (1.36)	3286600	No	0.00 (50.17)	No
PFNA 2	2.26 (2.44)	835	No	0.00 (0.28)	No
S_13C_PFNA	2.29 (2.44)	2543200	No	0.00 (19.17)	No
PFOS 2	2.33 (2.53)	11713	No	0.34 (0.32)	YES
S_13C-PFOS	2.33 (2.53)	6352500	No	182.24 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.31 (3.34)	2564200	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.10 (4.06)	134510	No	18.17 (1.86)	No
PFDS 2	4.12 (4.10)	4513	No	0.26 (0.32)	YES
PFDoA 2	4.73 (4.64)	2080	No	0.34 (0.29)	YES
S_13C-PFDoA	4.73 (4.64)	143760	No	23.23 (3.08)	No
PFTrA 2	5.28 (5.13)	354	No	0.00 (0.32)	No
PFTeA 2	5.74 (5.56)	123	No	0.00 (0.36)	No

Quantitative Peak Review

KQ1000532-04

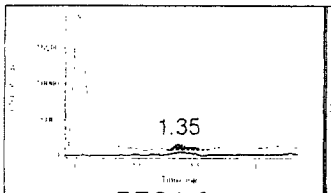


☐ Before ☐ After

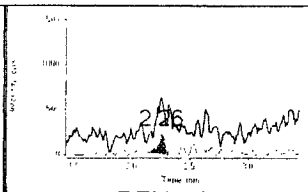
Columbia Analytical Services

Ion Ratio Confirmation

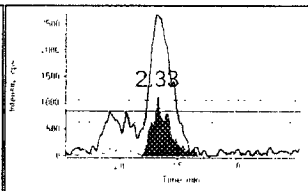
KQ1000532-04



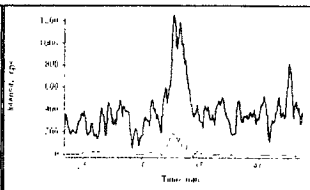
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



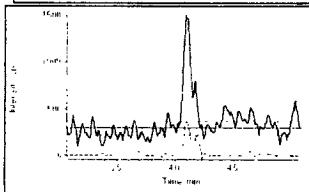
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



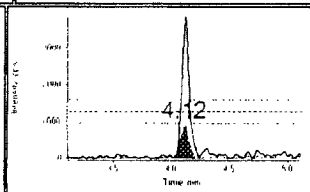
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



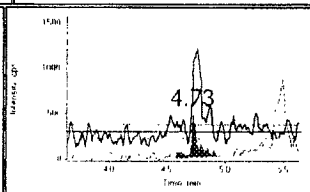
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



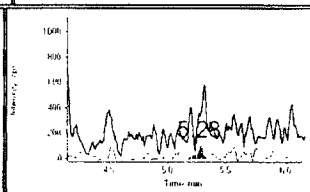
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



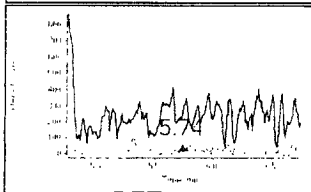
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-05 LCS	**Injection Volume**	5
Acquisition Date	2/8/2010 11:17:45 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	60	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	3152100	1.37 (1.36)	2911500	19.000	No
PFNA 1	13C-PFNA	2636500	2.31 (2.42)	5762100	19.100	No
PFOS 1	13C-PFOS	6337500	2.35 (2.53)	13202000	19.600	No
PFDA 1	13C-PFDA	2560600	3.33 (3.34)	4633500	17.200	No
PFUnA 1	13C-PFUnA	131220	4.11 (4.06)	2628600	21.200	No
PFDS 1	13C-PFOS	6337500	4.12 (4.10)	8543700	12.000	No
PFDoA 1	13C-PFDoA	142110	4.75 (4.63)	1576800	20.400	No
PFTrA 1	13C-PFDoA	142110	5.28 (5.14)	797260	15.900	No
PFTeA 1	13C-PFDoA	142110	5.73 (5.74)	780880	20.800	No

2/16/10

FES

2/16/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.37 (1.36)	6889000	No	2.37 (2.38)	YES
S_13C_PFOA	1.35 (1.36)	3152100	No	1.08 (50.17)	No
PFNA 2	2.33 (2.44)	1679600	No	0.29 (0.28)	YES
S_13C_PFNA	2.32 (2.44)	2636500	No	0.46 (19.17)	No
PFOS 2	2.35 (2.53)	4229100	No	0.32 (0.32)	YES
S_13C-PFOS	2.35 (2.53)	6337500	No	0.48 (22.53)	No
PFDA 2	3.31 (3.34)	699450	No	0.15 (0.15)	YES
S_13C-PFDA	3.31 (3.34)	2560600	No	0.55 (22.10)	No
PFUnA 2	4.11 (4.06)	581530	No	0.22 (0.22)	YES
S_13C-PFUnA	4.12 (4.06)	131220	No	0.05 (1.86)	No
PFDS 2	4.12 (4.10)	2744500	No	0.32 (0.32)	YES
PFDoA 2	4.76 (4.64)	456750	No	0.29 (0.29)	YES
S_13C-PFDoA	4.75 (4.64)	142110	No	0.09 (3.08)	No
PFTrA 2	5.28 (5.13)	263580	No	0.33 (0.32)	YES
PFTeA 2	5.73 (5.56)	275250	No	0.35 (0.36)	YES

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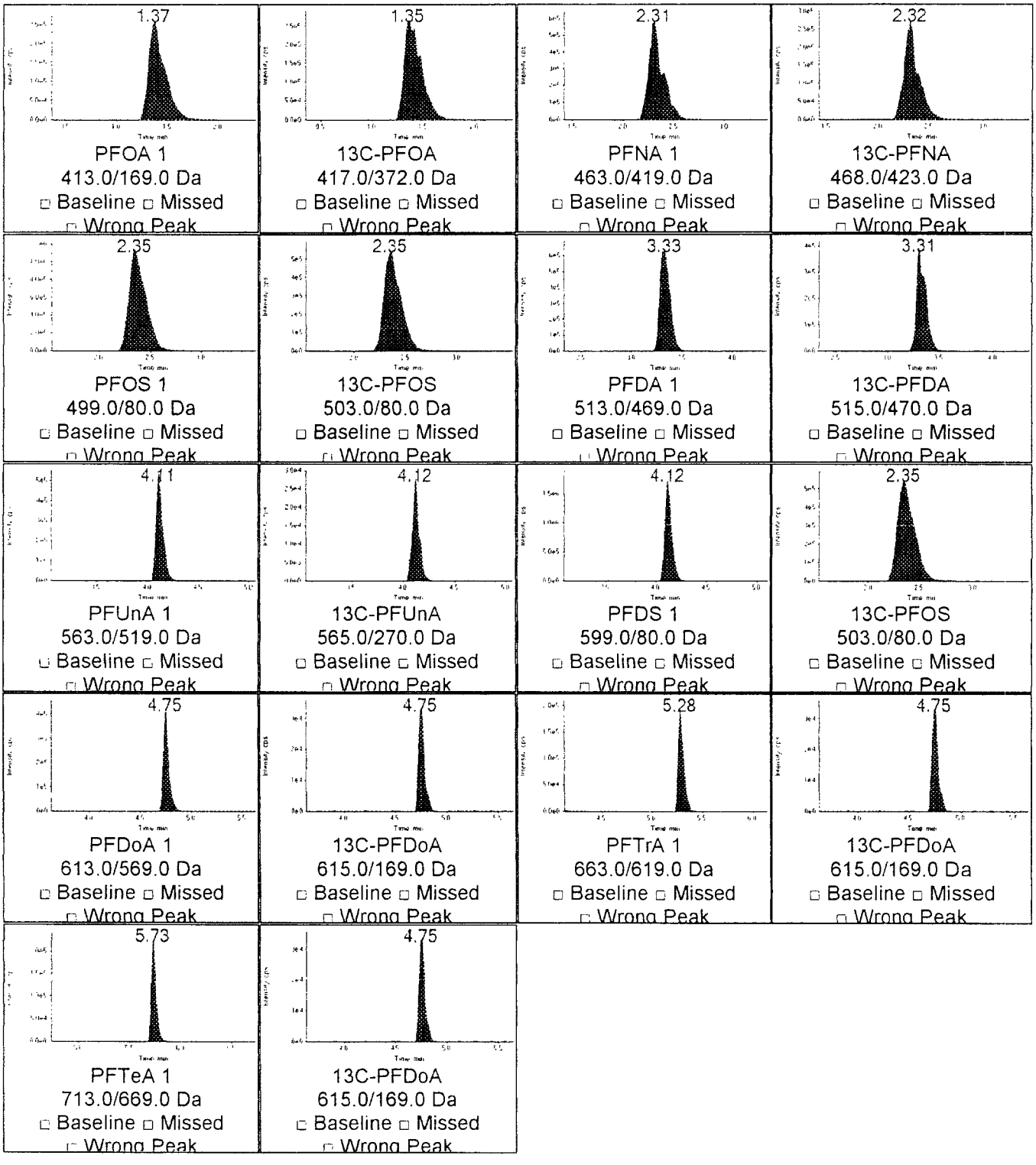
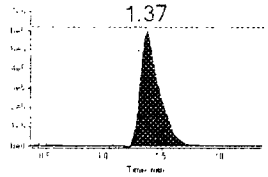
Columbia Analytical Services

Quantitative Peak Review KQ1000532-05

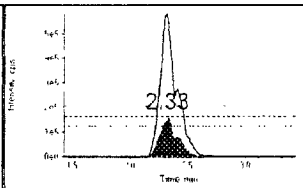


☐ Before ☐ After

Ion Ratio Confirmation KQ1000532-05



PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFNA 2
463.0/219.0 Da
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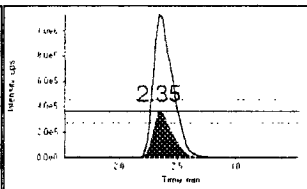
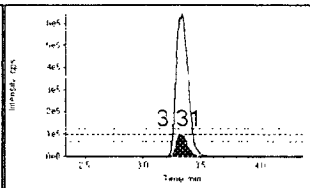
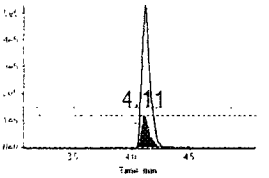
□ Wrong Peak



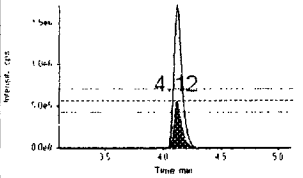
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDS 2
599.0/99.0 Da
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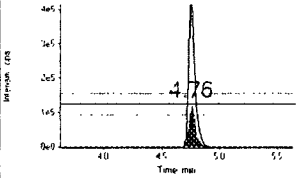
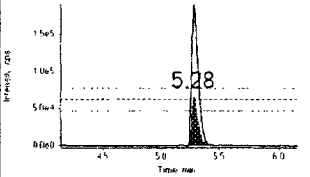
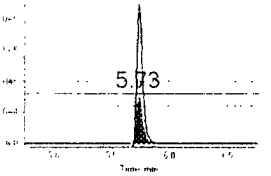
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-05 LCS	**Injection Volume**	5
Acquisition Date	2/9/2010 9:48:11 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	60	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4885800	1.27 (1.27)	10205000	19.70	No
PFPeA 1	13C-PFHxA	5625300	3.59 (3.60)	10578000	19.70	No
PFBS 1	18O-PFHS	3191100	4.25 (4.26)	18405000	18.10	No
PFHxA 1	13C-PFHxA	5625300	5.30 (5.31)	10749000	19.00	No
PFHpA 1	13C-PFHxA	5625300	6.22 (6.23)	4275400	19.70	No
PFHxS 1	18O-PFHS	3191100	6.31 (6.32)	17590000	18.50	No
S_18O-PFHS	13C-PFDA	4359600	6.31 (6.31)	3191100	0.83	No
S_13C-PFDA	13C-PFDA	4359600	7.64 (7.65)	4359600	1.00	No

2/16/10

EFS 2/15/10

Columbia Analytical Services

IRC Summary

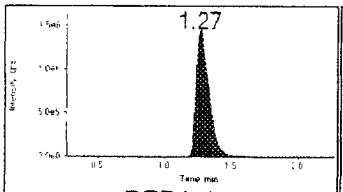
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	10205000	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	10578000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	7547600	No	0.41 (0.40)	YES
PFHxA 2	5.30 (5.31)	1021600	No	0.10 (0.10)	YES
PFHpA 2	6.21 (6.22)	12331000	No	2.88 (3.03)	YES
PFHxS 2	6.31 (6.32)	7293000	No	0.41 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4885800	No	0.48 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5625300	No	0.52 (13.06)	No

Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

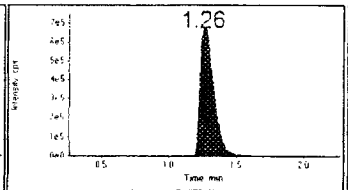
Columbia Analytical Services

Quantitative Peak Review

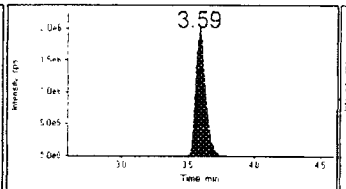
KQ1000532-05



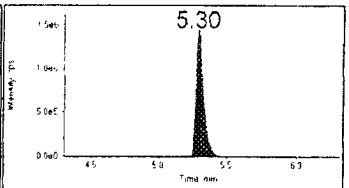
PFBA 1
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



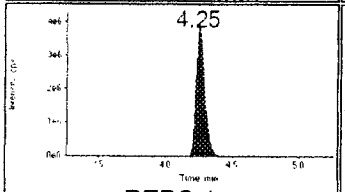
13C-PFBA
217.0/172.0 Da
□ Baseline □ Missed
□ Wrong Peak



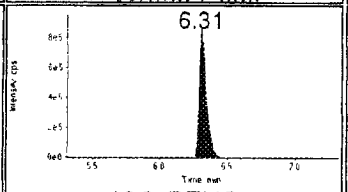
PFPeA 1
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



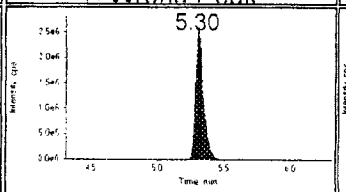
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



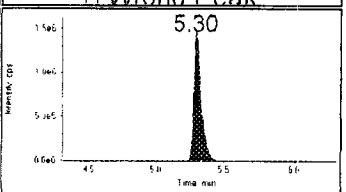
PFBS 1
299.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



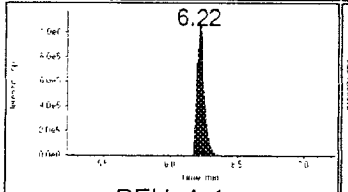
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



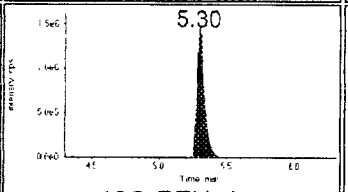
PFHxA 1
313.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



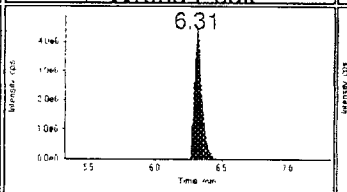
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



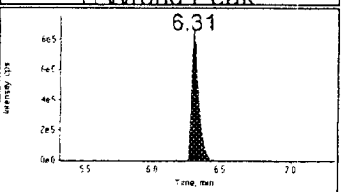
PFHpA 1
363.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



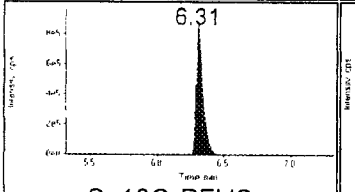
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



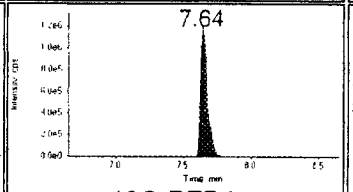
PFHxS 1
399.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



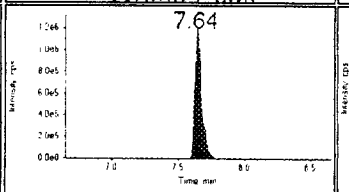
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



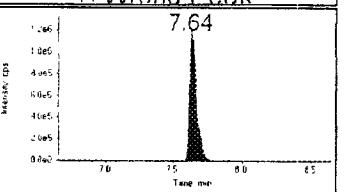
S_18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



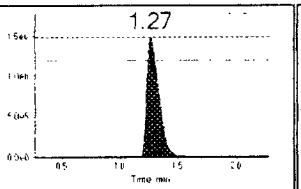
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

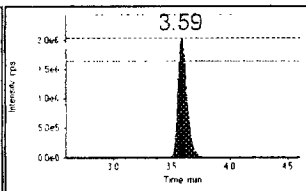
Columbia Analytical Services

Ion Ratio Confirmation

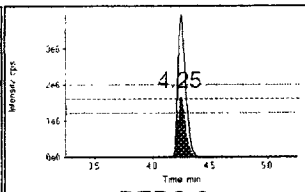
KQ1000532-05



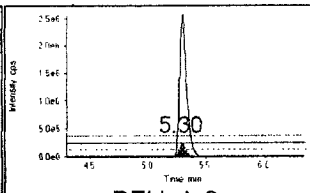
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



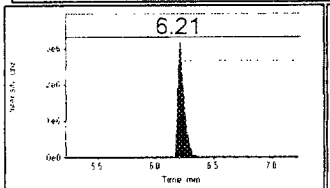
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



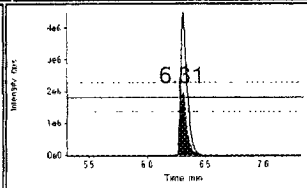
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



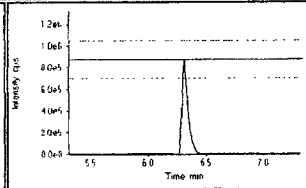
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-06 DUP	**Injection Volume**	5
Acquisition Date	2/8/2010 11:25:20 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	61	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	2974900	1.38 (1.36)	2942100	20.400	No
PFNA 1	13C-PFNA	2493800	2.32 (2.42)	5012000	17.600	No
PFOS 1	13C-PFOS	6108000	2.34 (2.53)	12744000	19.600	No
PFDA 1	13C-PFDA	2412900	3.30 (3.34)	4356100	17.100	No
PFUnA 1	13C-PFUnA	139300	4.10 (4.06)	2450600	18.600	No
PFDS 1	13C-PFOS	6108000	4.11 (4.10)	8366400	12.200	No
PFDoA 1	13C-PFDoA	133470	4.75 (4.63)	1562200	21.500	No
PFTrA 1	13C-PFDoA	133470	5.27 (5.14)	885070	18.800	No
PFTeA 1	13C-PFDoA	133470	5.72 (5.74)	702240	19.900	No

* 2/18/10

E-S
2/14/10

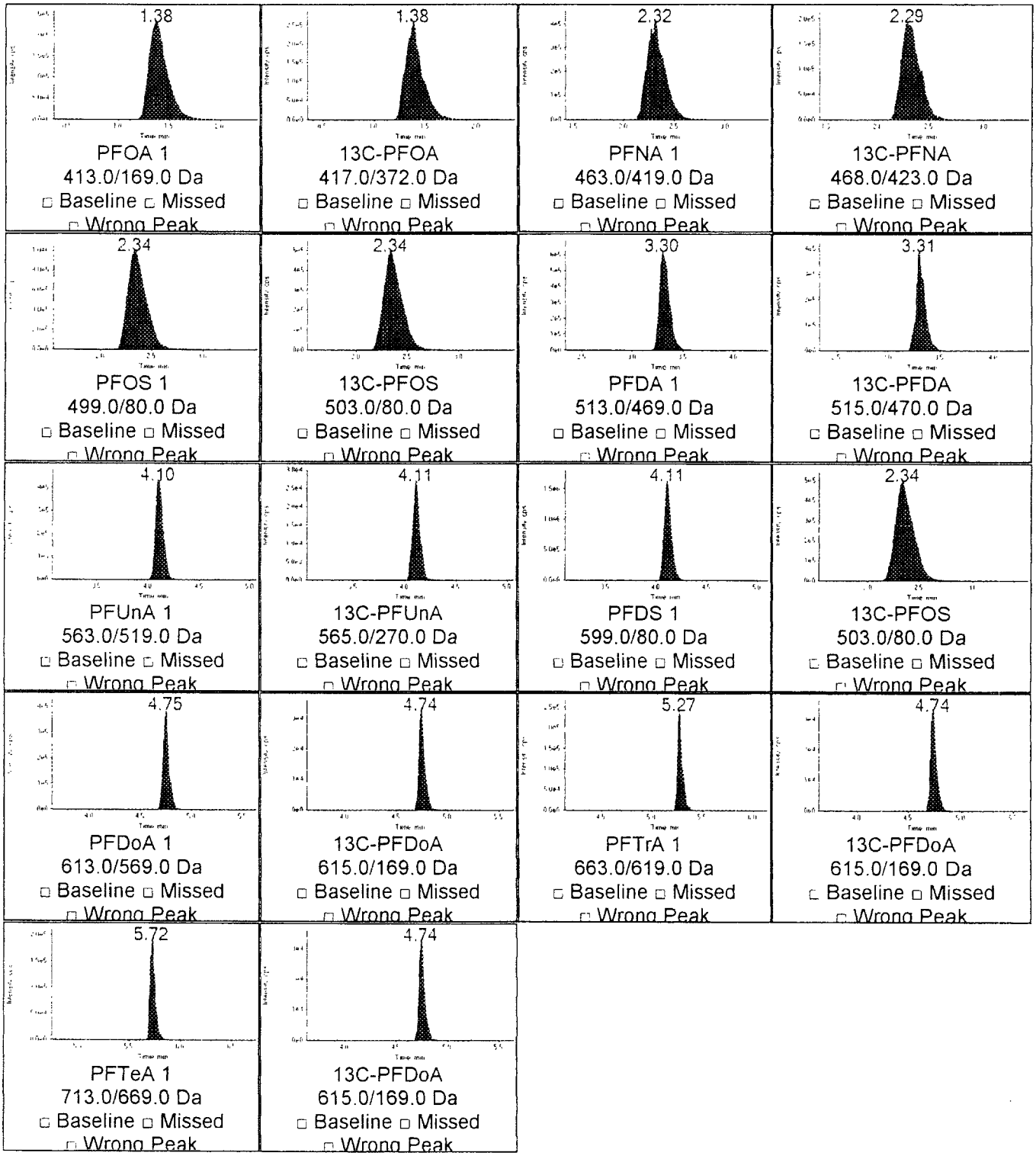
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.36 (1.36)	6585700	No	2.24 (2.38)	YES
S_13C_PFOA	1.38 (1.36)	2974900	No	1.01 (50.17)	No
PFNA 2	2.30 (2.44)	1595000	No	0.32 (0.28)	YES
S_13C_PFNA	2.29 (2.44)	2493800	No	0.50 (19.17)	No
PFOS 2	2.34 (2.53)	4022000	No	0.32 (0.32)	YES
S_13C-PFOS	2.34 (2.53)	6108000	No	0.48 (22.53)	No
PFDA 2	3.31 (3.34)	627100	No	0.14 (0.15)	YES
S_13C-PFDA	3.31 (3.34)	2412900	No	0.55 (22.10)	No
PFUnA 2	4.11 (4.06)	562390	No	0.23 (0.22)	YES
S_13C-PFUnA	4.11 (4.06)	139300	No	0.06 (1.86)	No
PFDS 2	4.11 (4.10)	2634800	No	0.31 (0.32)	YES
PFDoA 2	4.74 (4.64)	434820	No	0.28 (0.29)	YES
S_13C-PFDoA	4.74 (4.64)	133470	No	0.09 (3.08)	No
PFTrA 2	5.27 (5.13)	318130	No	0.36 (0.32)	YES
PFTeA 2	5.72 (5.56)	265680	No	0.38 (0.36)	YES

Columbia Analytical Services

Quantitative Peak Review

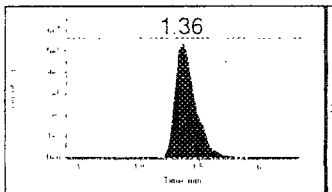
KQ1000532-06



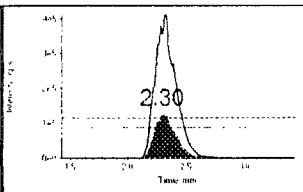
☐ Before ☐ After

Ion Ratio Confirmation

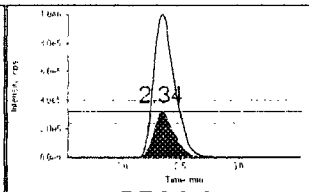
KQ1000532-06



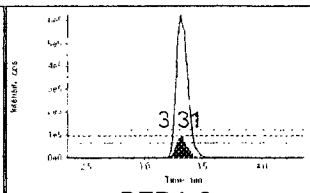
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



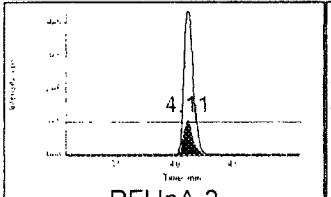
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



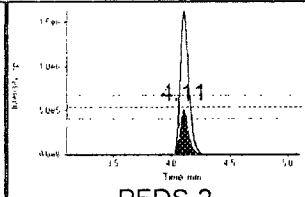
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



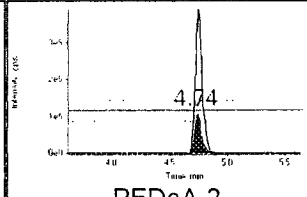
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



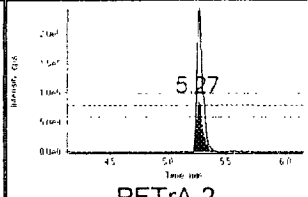
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



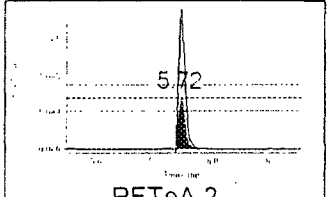
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000532-06 DLCS	**Injection Volume**	5
Acquisition Date	2/9/2010 9:57:46 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	61	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4715000	1.26 (1.27)	9724500	19.40	No
PFPeA 1	13C-PFHxA	5375000	3.59 (3.60)	10288000	20.00	No
PFBS 1	18O-PFHS	3039500	4.25 (4.26)	18277000	18.90	No
PFHxA 1	13C-PFHxA	5375000	5.30 (5.31)	10462000	19.30	No
PFHpA 1	13C-PFHxA	5375000	6.21 (6.23)	3819000	18.40	No
PFHxS 1	18O-PFHS	3039500	6.30 (6.32)	17248000	19.10	No
S_18O-PFHS	13C-PFDA	4200600	6.30 (6.31)	3039500	0.82	No
S_13C-PFDA	13C-PFDA	4200600	7.64 (7.65)	4200600	1.00	No

2/16/10

EFS 2/15/10

Columbia Analytical Services

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	9724500	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	10288000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	7504800	No	0.41 (0.40)	YES
PFHxA 2	5.29 (5.31)	1023400	No	0.10 (0.10)	YES
PFHpA 2	6.21 (6.22)	11011000	No	2.88 (3.03)	YES
PFHxS 2	6.30 (6.32)	7117900	No	0.41 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4715000	No	0.48 (13.55)	No
S_13C-PFHxA	5.29 (5.30)	5375000	No	0.51 (13.06)	No

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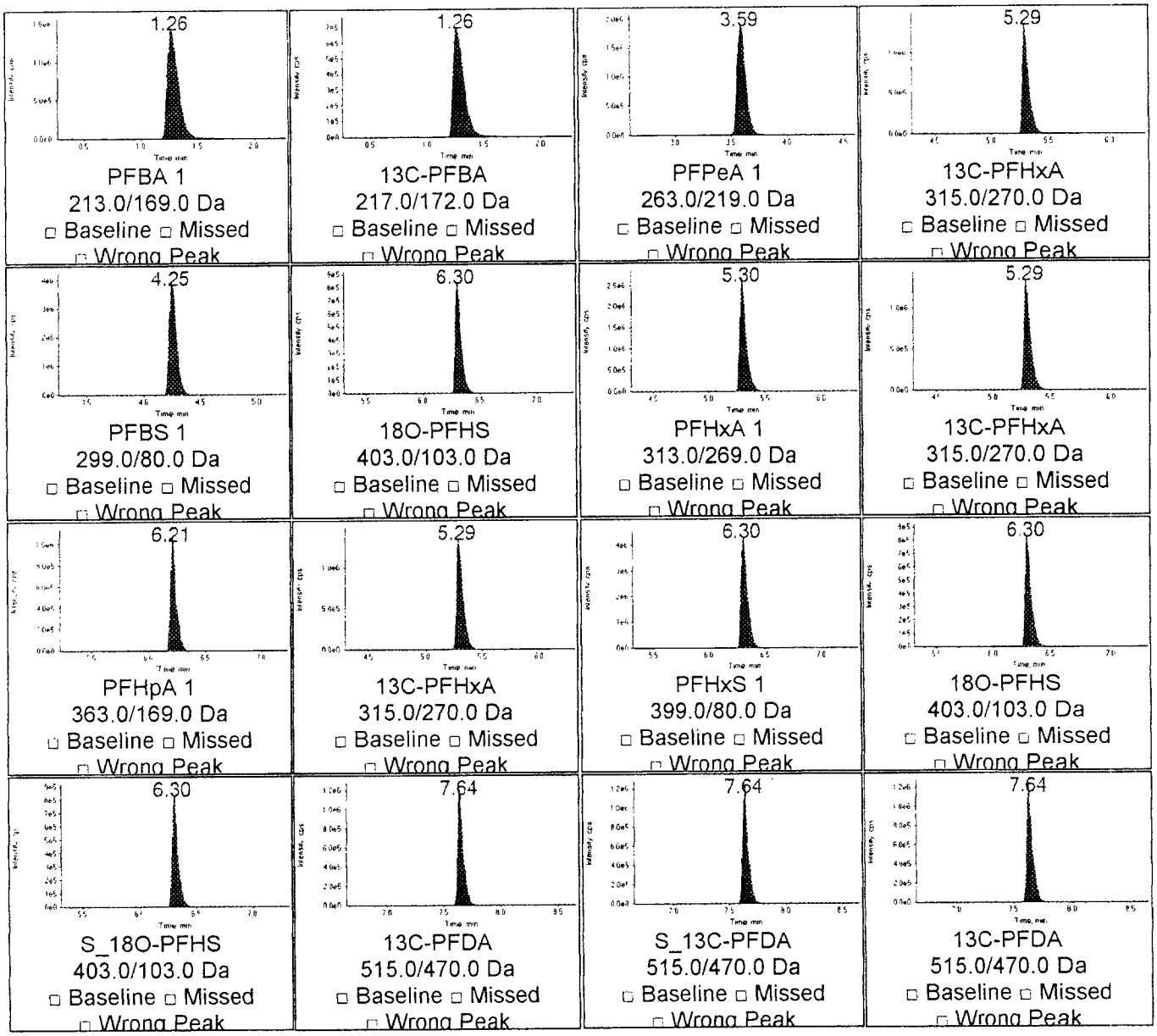
Quantitative Peak Review

KQ1000532-06



☐ Before ☐ After

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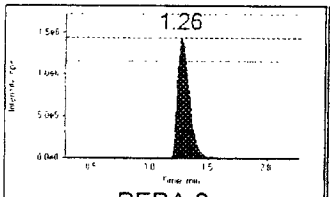
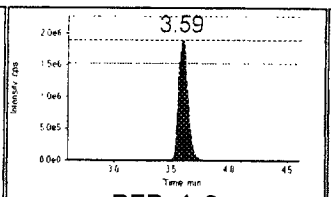
Ion Ratio Confirmation

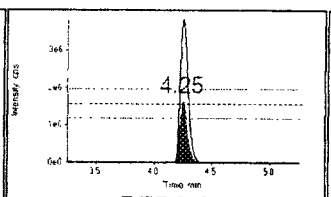
KQ1000532-06



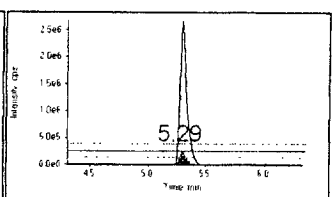
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



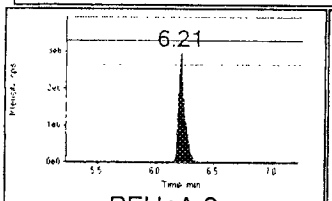
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



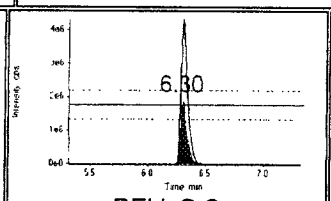
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



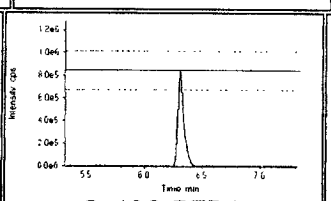
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

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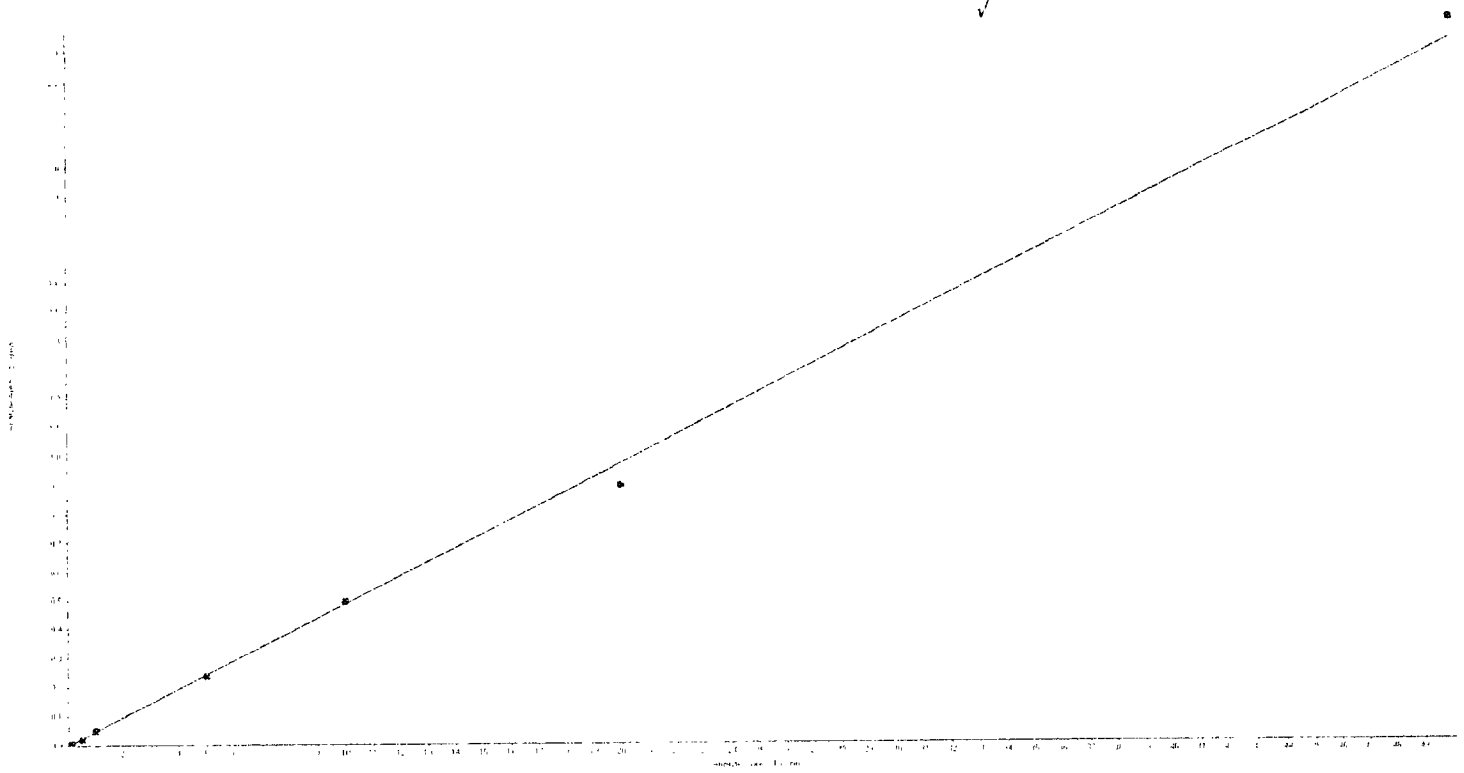
Analyte Name: PFOA 1
Internal Standard: 13C-PFOA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.0486 x + -0.00166 (r = 0.9989)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.109	109	NaN	NaN
0.5	1	0.444	89	NaN	NaN
1	1	1.070	107	NaN	NaN
5	1	4.884	98	NaN	NaN
10	1	10.218	102	NaN	NaN
20	1	18.401	92	NaN	NaN
50	1	51.474	103	NaN	NaN



2/16/10
ECS
2/14/10

Columbia Analytical Services

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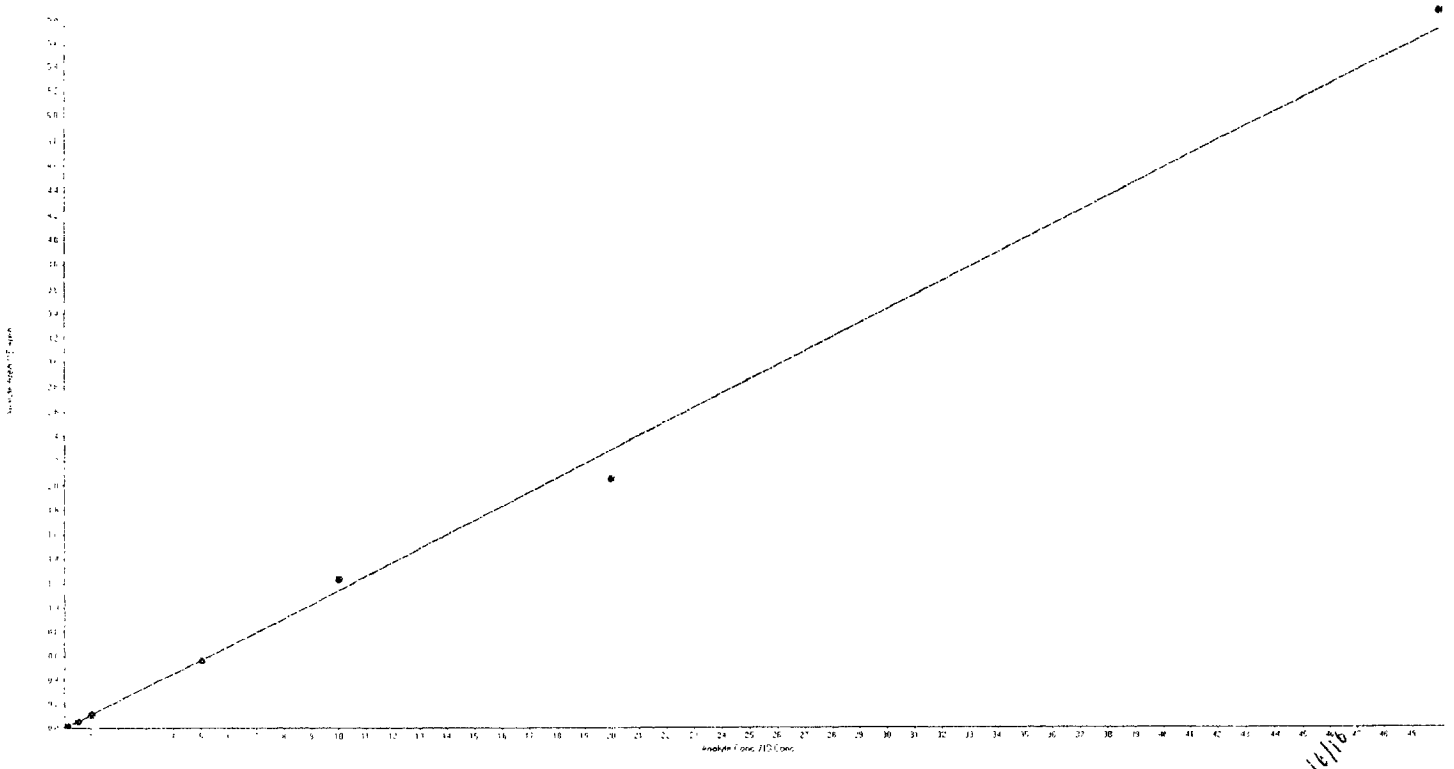
Analyte Name: PFNA 1
Internal Standard: 13C-PFNA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.115 x + -0.00273 (r = 0.9981)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.109	109	NaN	NaN
0.5	1	0.467	93	NaN	NaN
1	1	0.975	98	NaN	NaN
5	1	4.961	99	NaN	NaN
10	1	10.803	108	NaN	NaN
20	1	17.941	90	NaN	NaN
50	1	51.343	103	NaN	NaN



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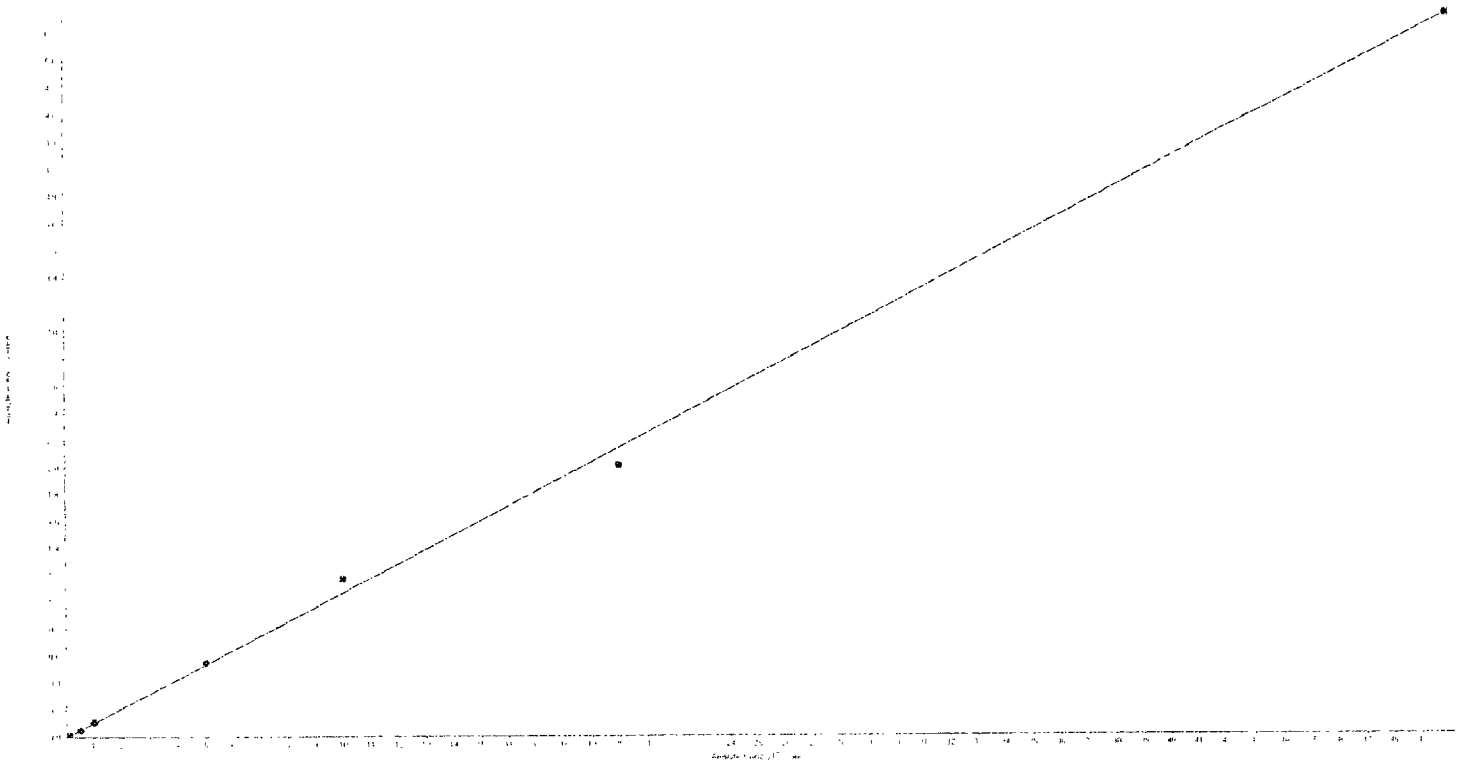
Analyte Name: PFOS 1
Internal Standard: 13C-PFOS

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.107 x + -0.00155 (r = 0.9990)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.089	89	NaN	NaN
0.5	1	0.488	98	NaN	NaN
1	1	1.059	106	NaN	NaN
5	1	5.162	103	NaN	NaN
10	1	10.967	110	NaN	NaN
20	1	18.843	94	NaN	NaN
50	1	49.992	100	NaN	NaN



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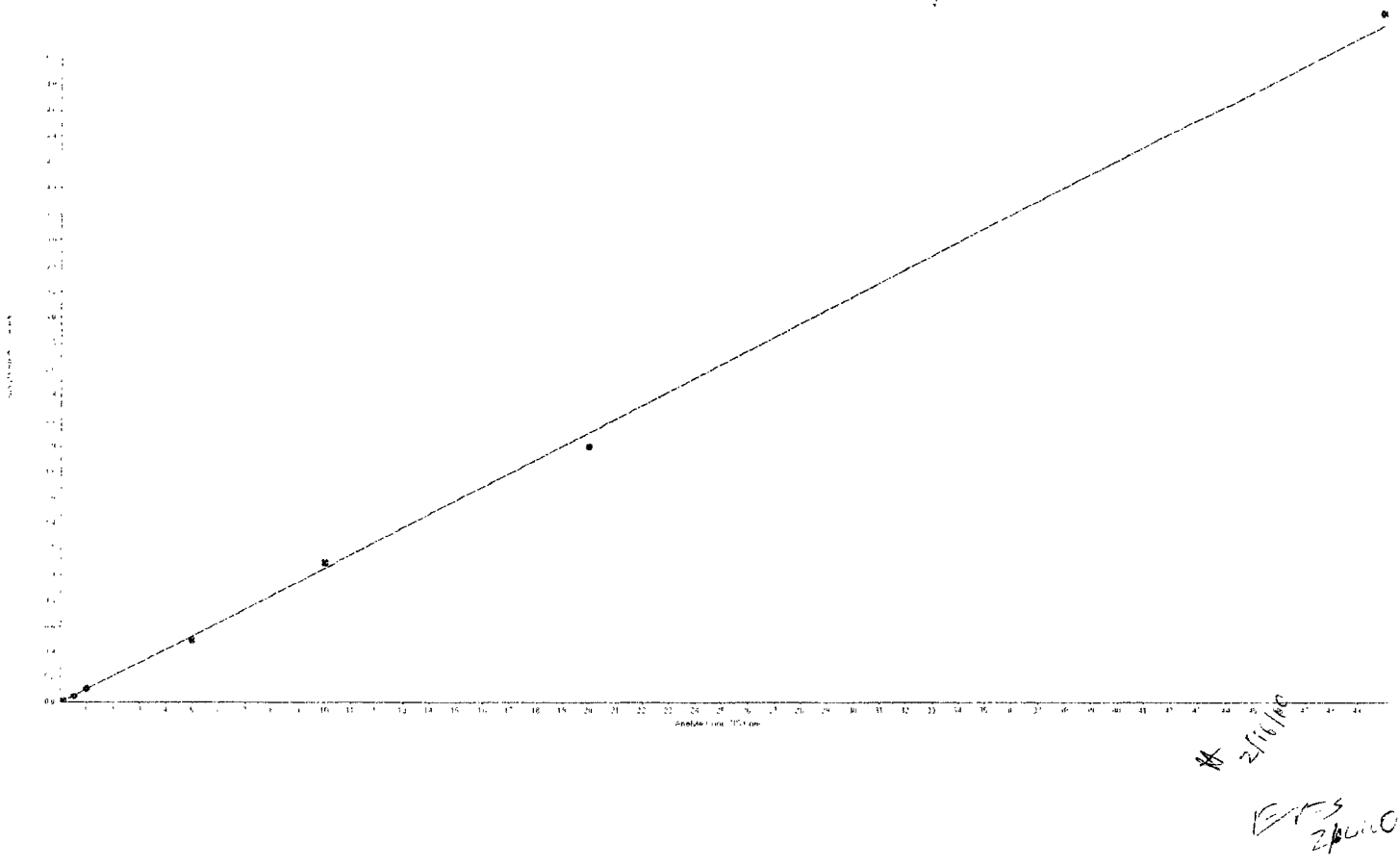
Printed: 14/02/2010 6:41:00 PM

Analyte Name: PFDA 1
Internal Standard: 13C-PFDA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.106 x + -0.00306 (r = 0.9994)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.108	108	NaN	NaN
0.5	1	0.477	95	NaN	NaN
1	1	1.023	102	NaN	NaN
5	1	4.698	94	NaN	NaN
10	1	10.406	104	NaN	NaN
20	1	18.965	95	NaN	NaN
50	1	50.923	102	NaN	NaN



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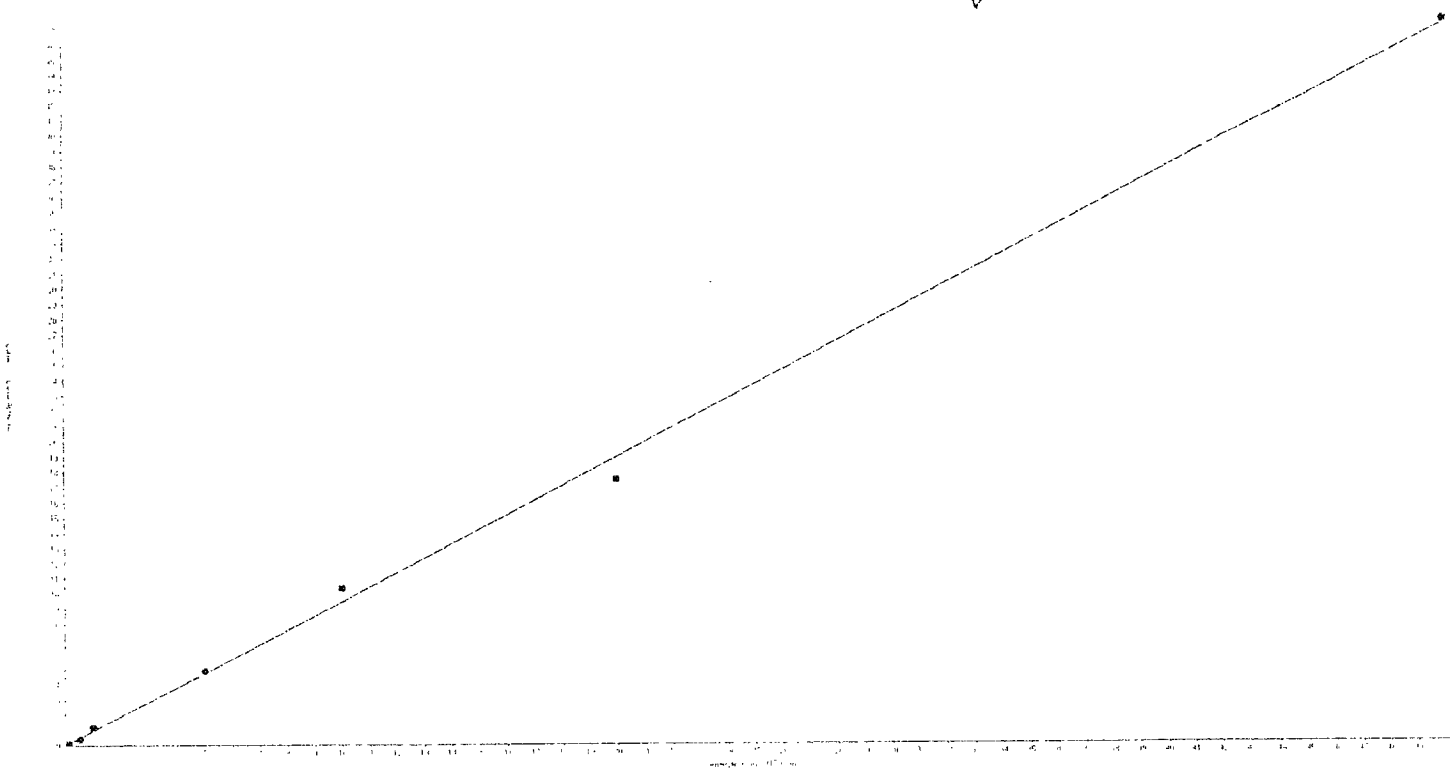
Analyte Name: PFUnA 1
Internal Standard: 13C-PFUnA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.943 x + 0.0207 (r = 0.9983)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.092	92	NaN	NaN
0.5	1	0.411	82	NaN	NaN
1	1	1.199	120	NaN	NaN
5	1	5.187	104	NaN	NaN
10	1	10.978	110	NaN	NaN
20	1	18.446	92	NaN	NaN
50	1	50.287	101	NaN	NaN



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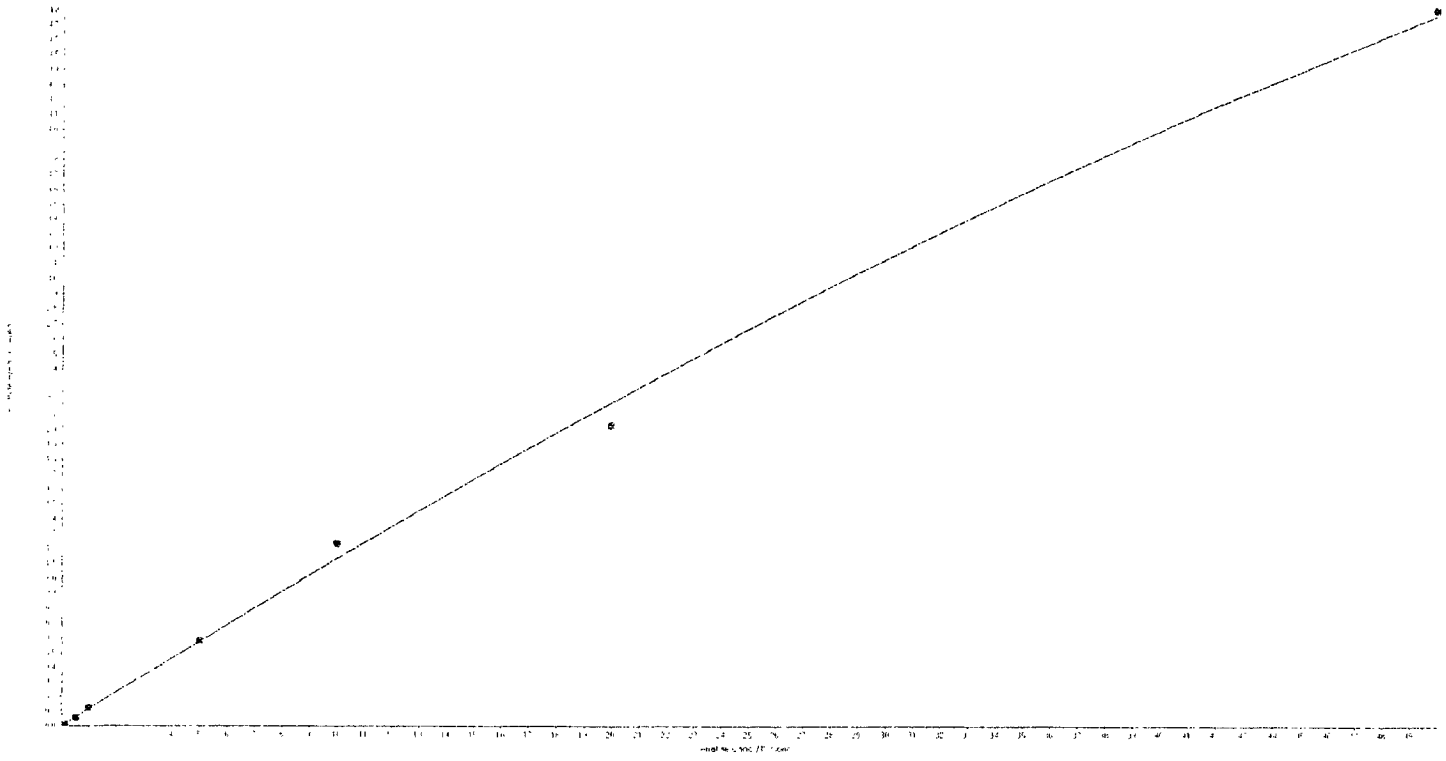
Analyte Name: PFDS 1
Internal Standard: 13C-PFOS

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = -0.000453 x^2 + 0.118 x + -0.00243 (r = 0.9987)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.094	94	NaN	NaN
0.5	1	0.490	98	NaN	NaN
1	1	1.041	104	NaN	NaN
5	1	5.064	101	NaN	NaN
10	1	10.924	109	NaN	NaN
20	1	18.516	93	NaN	NaN
50	1	50.535	101	NaN	NaN



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EFS
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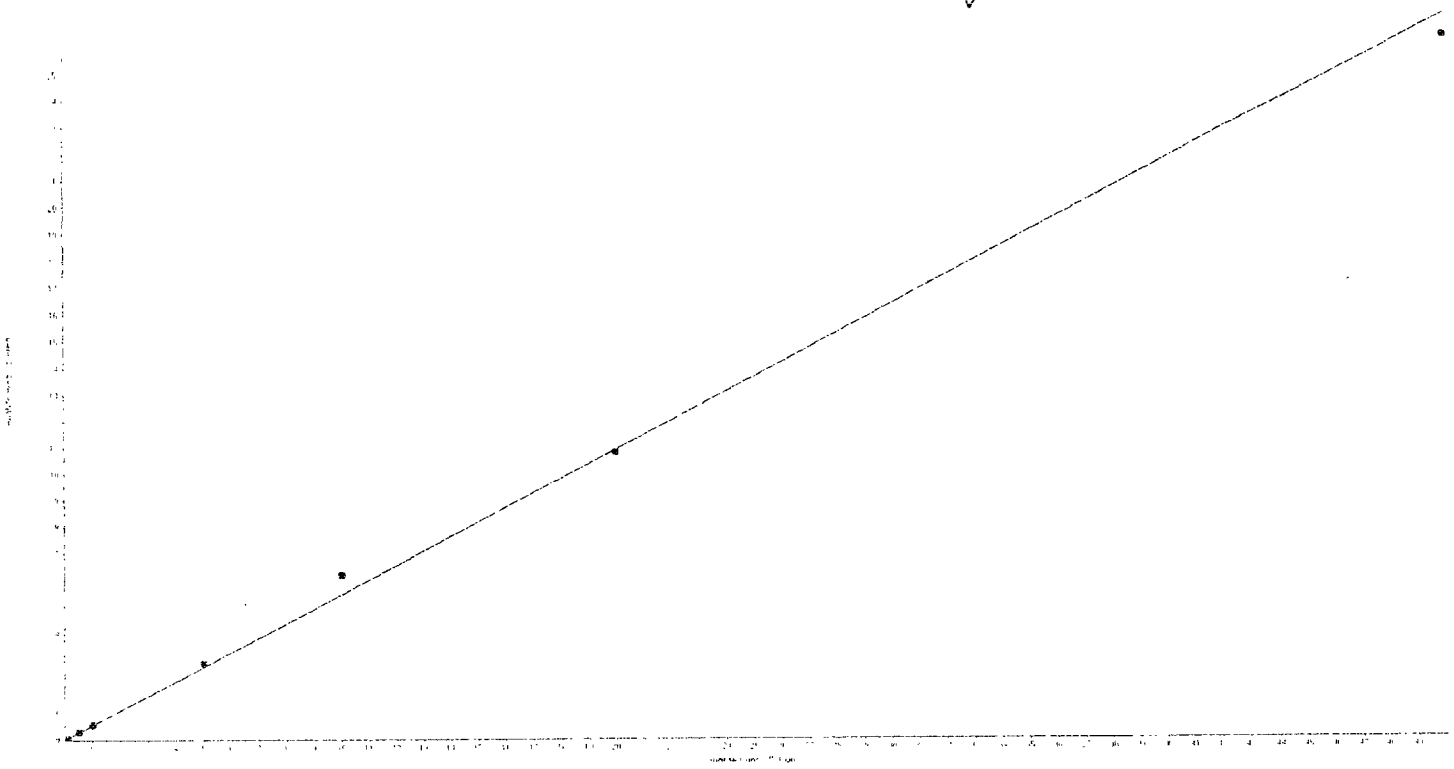
Columbia Analytical Services

Analyte Name: PFDoA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.543 x + 0.0188 (r = 0.9984)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.082	82	NaN	NaN
0.5	1	0.518	104	NaN	NaN
1	1	0.985	99	NaN	NaN
5	1	5.302	106	NaN	NaN
10	1	11.377	114	NaN	NaN
20	1	19.829	99	NaN	NaN
50	1	48.506	97	NaN	NaN



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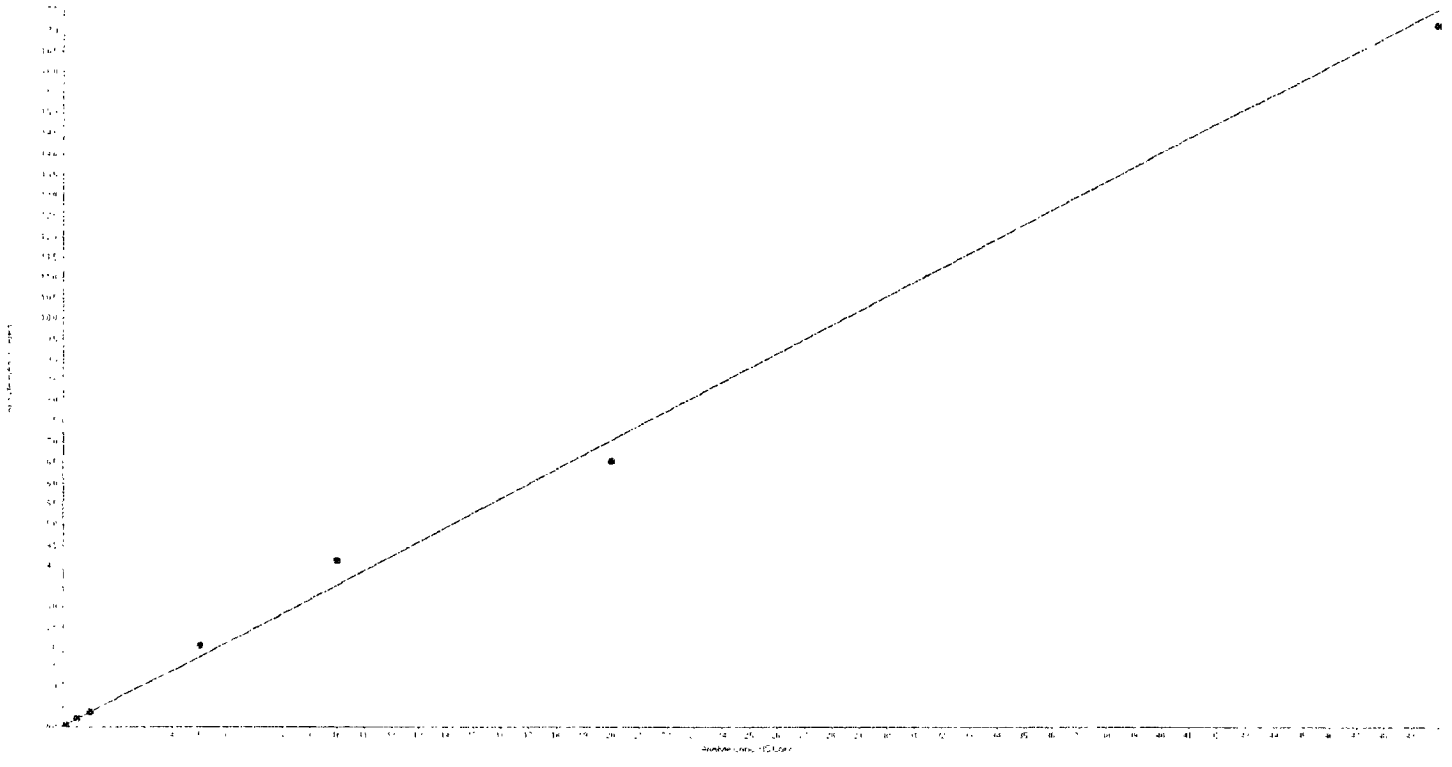
Columbia Analytical Services

Analyte Name: PFTrA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.352 x + 0.013 (r = 0.9967)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.062	62	NaN	NaN
0.5	1	0.567	113	NaN	NaN
1	1	1.018	102	NaN	NaN
5	1	5.785	116	NaN	NaN
10	1	11.661	117	NaN	NaN
20	1	18.568	93	NaN	NaN
50	1	48.939	98	NaN	NaN



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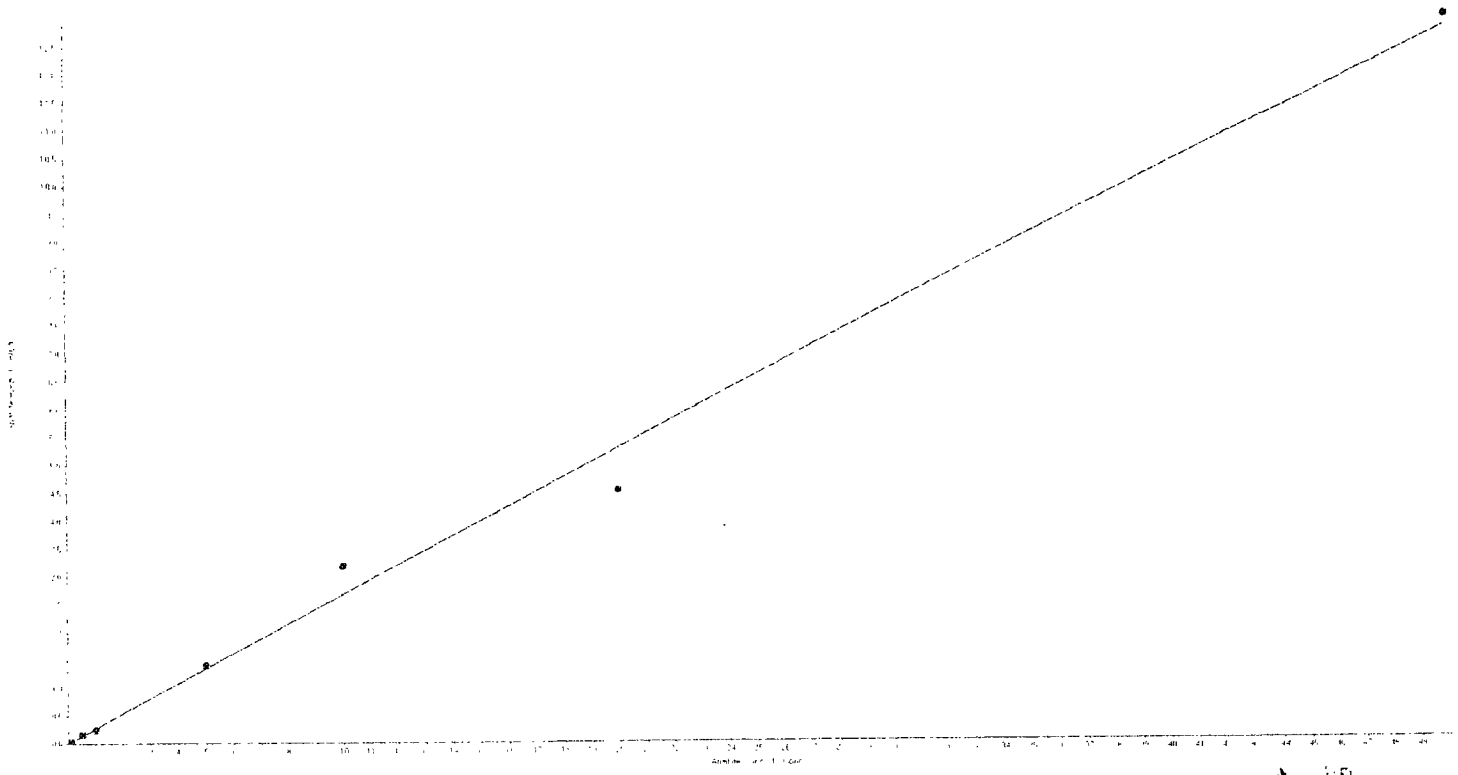
Analyte Name: PFTeA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = -0.000306 x^2 + 0.27 x + -0.001 (r = 0.9948) ✓

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.080	80	NaN	NaN
0.5	1	0.587	117	NaN	NaN
1	1	0.928	93	NaN	NaN
5	1	5.191	104	NaN	NaN
10	1	11.943	119	NaN	NaN
20	1	17.075	85	NaN	NaN
50	1	50.817	102	NaN	NaN



2nd calib

EFS 2/14/10

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Project	Ewan's Projects\PFCs
Data File	020810b\CalLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	IB	**Injection Volume**	5
Acquisition Date	2/8/2010 6:00:11 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	1	**Weight to Volume**	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	305	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	253	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	326	2.36 (2.53)	955	27.500	No
PFDA 1	13C-PFDA	97	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	33	4.16 (4.06)	2031	65.500	No
PFDS 1	13C-PFOS	326	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	139	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	139	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	139	0.00 (5.74)	0	N/A	No

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IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	0.00 (1.36)	0	No	0.00 (2.38)	No
S_13C_PFOA	1.25 (1.36)	305	No	0.00 (50.17)	No
PFNA 2	2.25 (2.44)	63	No	0.00 (0.28)	No
S_13C_PFNA	2.48 (2.44)	253	No	0.00 (19.17)	No
PFOS 2	2.29 (2.53)	255	No	0.27 (0.32)	YES
S_13C-PFOS	2.77 (2.53)	326	No	0.34 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.34 (3.34)	97	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.17 (4.06)	33	No	0.02 (1.86)	No
PFDS 2	4.06 (4.10)	365	No	0.00 (0.32)	No
PFDoA 2	4.69 (4.64)	635	No	0.00 (0.29)	No
S_13C-PFDoA	4.85 (4.64)	139	No	0.00 (3.08)	No
PFTrA 2	5.14 (5.13)	376	No	0.00 (0.32)	No
PFTeA 2	5.59 (5.56)	236	No	0.00 (0.36)	No

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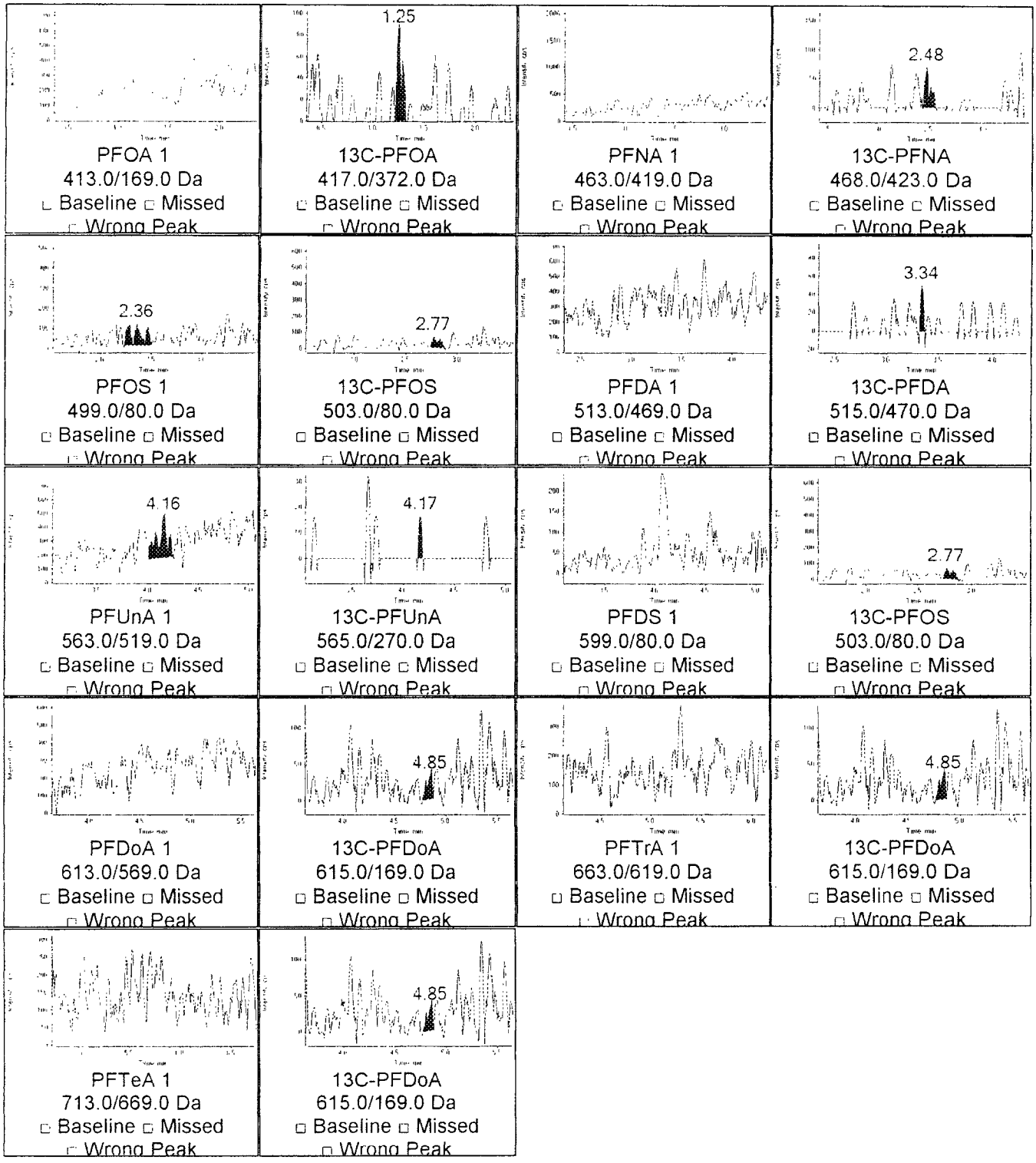
Quantitative Peak Review

IB



☐ Before ☐ After

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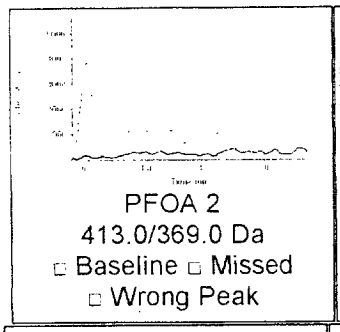
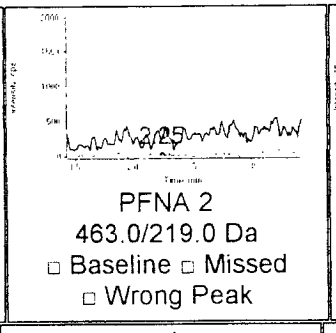
Ion Ratio Confirmation

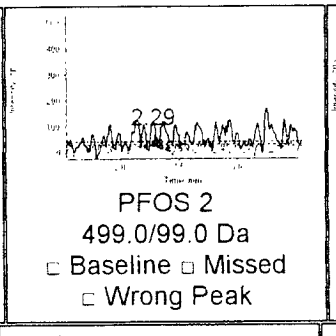
IB



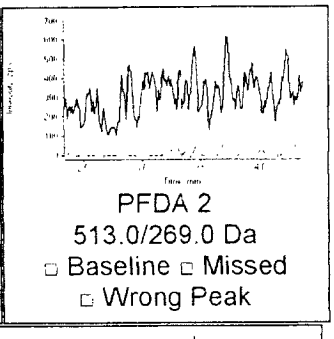
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



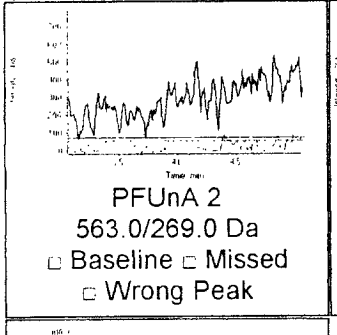
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



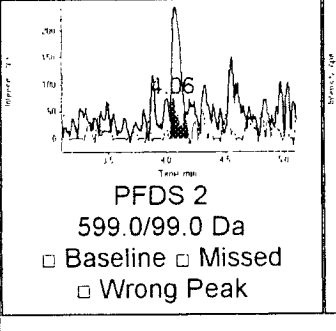
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



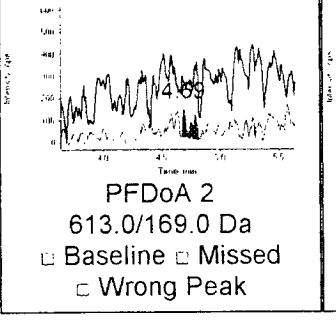
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



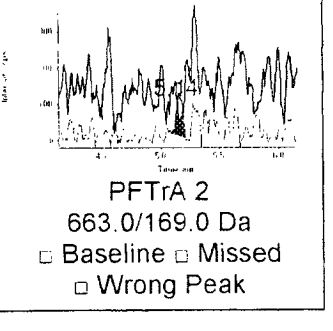
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



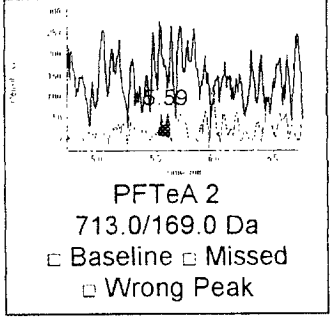
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

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Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 0.10ppb	**Injection Vial**	2
Acquisition Date	2/8/2010 6:22:50 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85A	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.36 (1.36)	13C-PFOA	2771900	10143	0.100	0.109	109	No
PFNA 1	2.31 (2.42)	13C-PFNA	2300200	22540	0.100	0.109	109	No
PFOS 1	2.35 (2.53)	13C-PFOS	6845000	54526	0.100	0.089	89	No
PFDA 1	3.32 (3.34)	13C-PFDA	2198200	18255	0.100	0.108	108	No
PFUnA 1	4.10 (4.06)	13C-PFUnA	162500	17391	0.100	0.092	92	No
PFDS 1	4.12 (4.10)	13C-PFOS	6845000	59395	0.100	0.094	94	No
PFDoA 1	4.76 (4.63)	13C-PFDoA	239910	15176	0.100	0.082	82	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	239910	8315	0.100	0.062	62	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	239910	4924	0.100	0.080	80	No

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EFS 2/14/10

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IRC Summary

Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.33 (1.36)	19840	No	1.96
S_13C_PFOA	1.35 (1.36)	2771900	No	273.28
PFNA 2	2.32 (2.44)	3319	No	0.15
S_13C_PFNA	2.28 (2.44)	2300200	No	102.05
PFOS 2	2.33 (2.53)	16682	No	0.31
S_13C-PFOS	2.32 (2.53)	6845000	No	125.54
PFDA 2	3.33 (3.34)	2768	No	0.15
S_13C-PFDA	3.32 (3.34)	2198200	No	120.42
PFUnA 2	4.10 (4.06)	2974	No	0.17
S_13C-PFUnA	4.10 (4.06)	162500	No	9.34
PFDS 2	4.12 (4.10)	17921	No	0.30
PFDoA 2	4.75 (4.64)	2899	No	0.19
S_13C-PFDoA	4.76 (4.64)	239910	No	15.81
PFTrA 2	5.29 (5.13)	2346	No	0.28
PFTeA 2	5.75 (5.56)	1505	No	0.31

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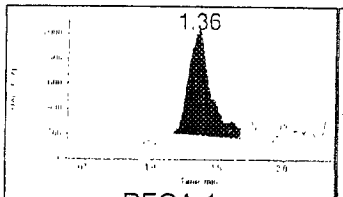
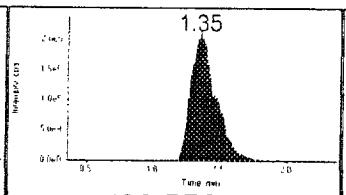
Quantitative Peak Review

PFC 0.10ppb



PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOA
417.0/372.0 Da
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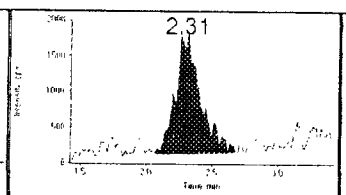
☐ Wrong Peak



PFNA 1
463.0/419.0 Da
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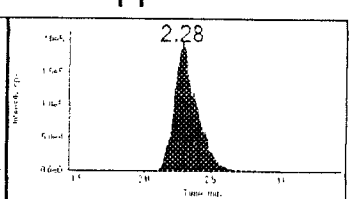
☐ Wrong Peak



13C-PFNA
468.0/423.0 Da
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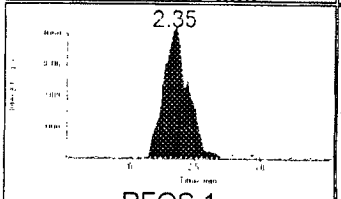
☐ Wrong Peak



PFOS 1
499.0/80.0 Da
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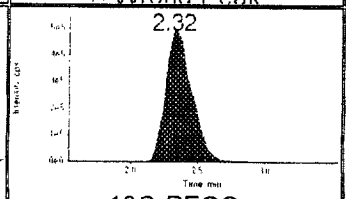
☐ Wrong Peak



13C-PFOS
503.0/80.0 Da
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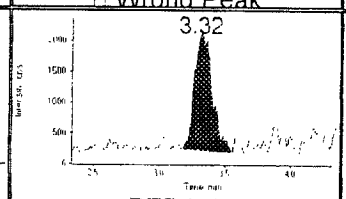
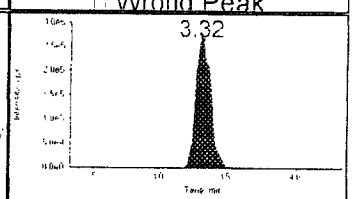
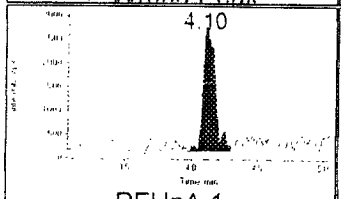
☐ Wrong Peak



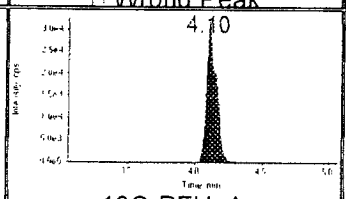
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



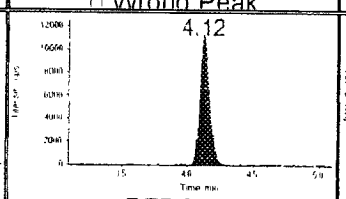
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



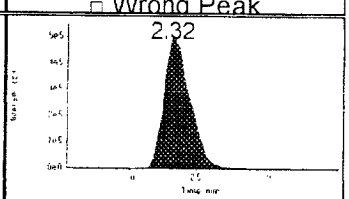
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



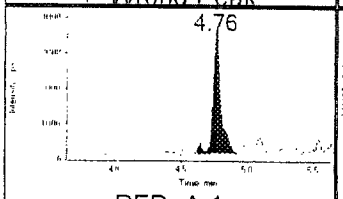
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



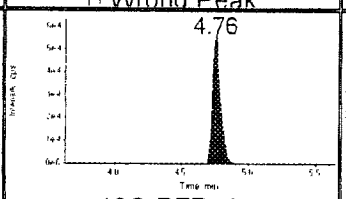
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



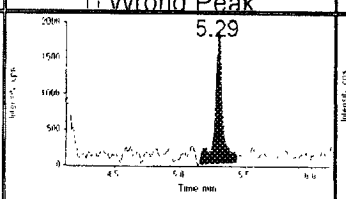
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



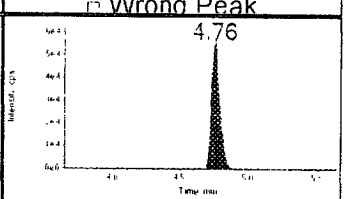
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



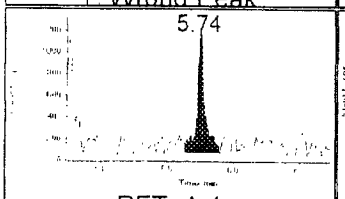
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



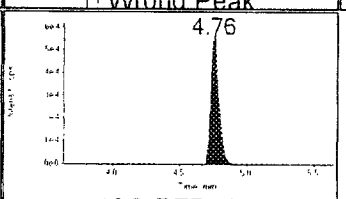
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

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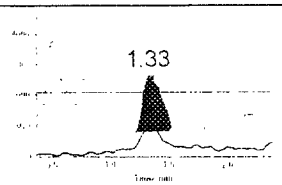
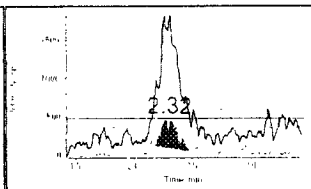
Ion Ratio Confirmation

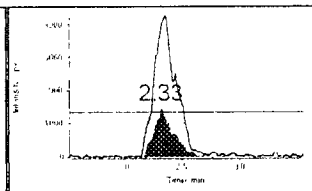
PFC 0.10ppb



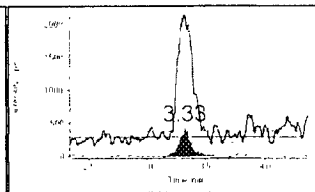
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



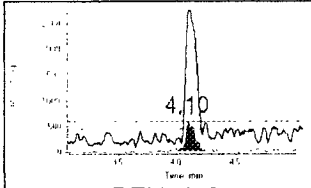
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



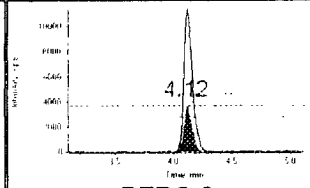
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



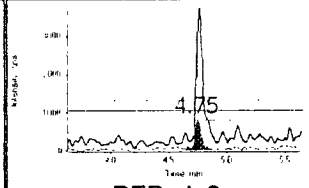
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



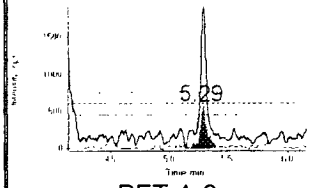
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



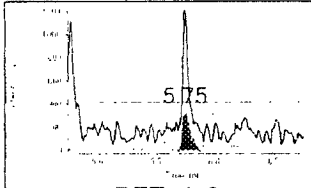
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

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Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 0.5ppb	**Injection Vial**	3
Acquisition Date	2/8/2010 6:30:24 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85B	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.37 (1.36)	13C-PFOA	2869800	57106	0.500	0.444	89	No
PFNA 1	2.34 (2.42)	13C-PFNA	2221600	112750	0.500	0.467	93	No
PFOS 1	2.36 (2.53)	13C-PFOS	6831100	344960	0.500	0.488	98	No
PFDA 1	3.34 (3.34)	13C-PFDA	2150700	101810	0.500	0.477	95	No
PFUnA 1	4.12 (4.06)	13C-PFUnA	185430	75738	0.500	0.411	82	No
PFDS 1	4.13 (4.10)	13C-PFOS	6831100	378480	0.500	0.490	98	No
PFDoA 1	4.77 (4.63)	13C-PFDoA	197790	59384	0.500	0.518	104	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	197790	42023	0.500	0.567	113	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	197790	31152	0.500	0.587	117	No

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2/14/10

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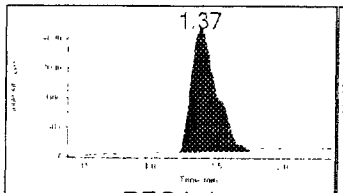
IRC Summary

Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.37 (1.36)	148080	No	2.59
S_13C_PFOA	1.36 (1.36)	2869800	No	50.25
PFNA 2	2.32 (2.44)	32633	No	0.29
S_13C_PFNA	2.33 (2.44)	2221600	No	19.70
PFOS 2	2.35 (2.53)	110050	No	0.32
S_13C-PFOS	2.35 (2.53)	6831100	No	19.80
PFDA 2	3.36 (3.34)	15344	No	0.15
S_13C-PFDA	3.33 (3.34)	2150700	No	21.12
PFUnA 2	4.13 (4.06)	18267	No	0.24
S_13C-PFUnA	4.13 (4.06)	185430	No	2.45
PFDS 2	4.13 (4.10)	117570	No	0.31
PFDoA 2	4.76 (4.64)	19133	No	0.32
S_13C-PFDoA	4.76 (4.64)	197790	No	3.33
PFTrA 2	5.30 (5.13)	12533	No	0.30
PFTeA 2	5.74 (5.56)	12051	No	0.39

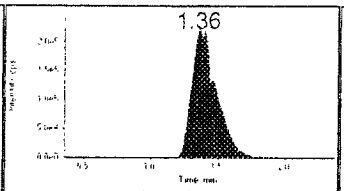
Columbia Analytical Services

Quantitative Peak Review

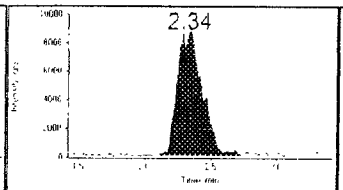
PFC 0.5ppb



PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
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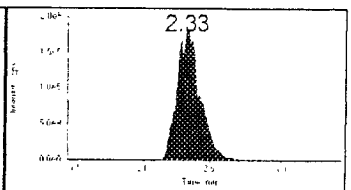
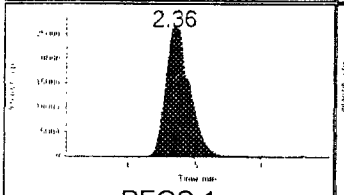
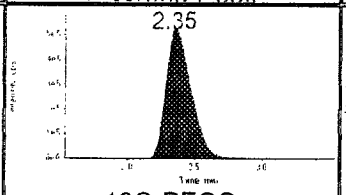


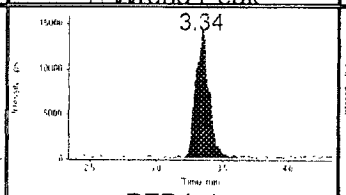
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



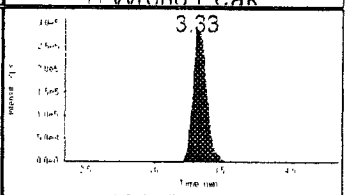
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



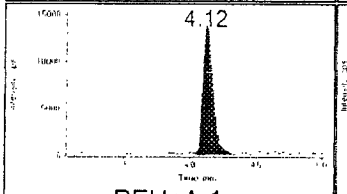
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



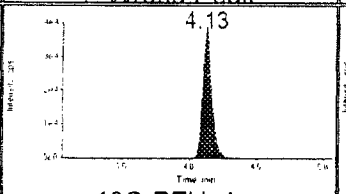
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



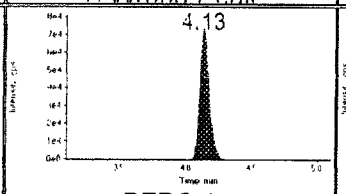
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



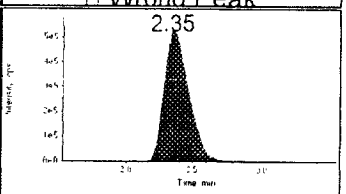
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



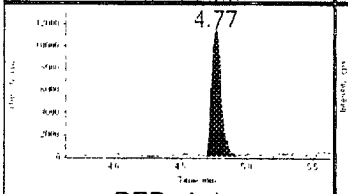
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



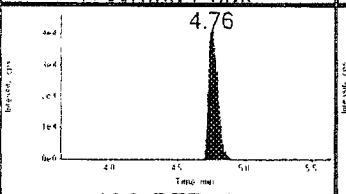
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



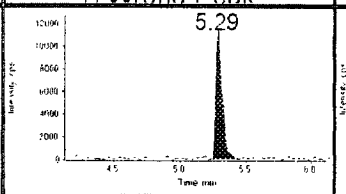
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



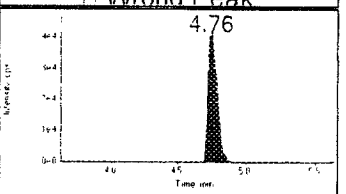
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



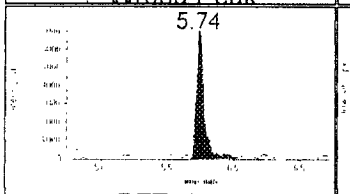
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



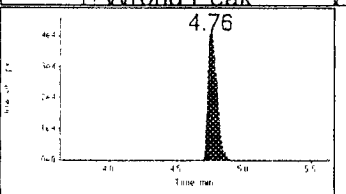
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

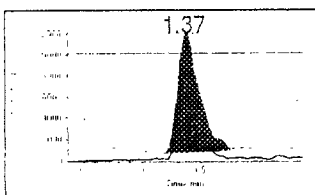


13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

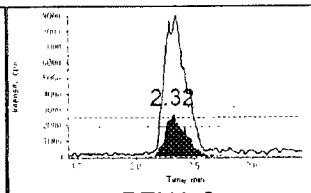
☐ Before ☐ After

Ion Ratio Confirmation

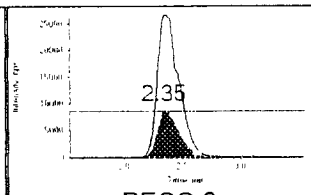
PFC 0.5ppb



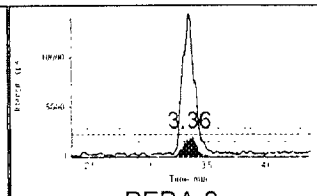
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



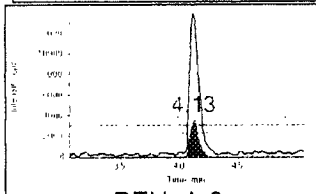
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



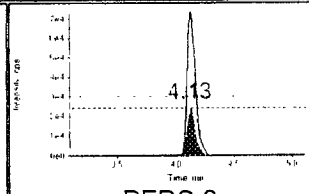
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



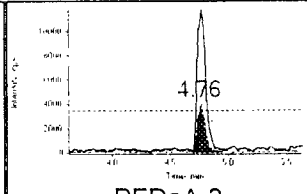
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



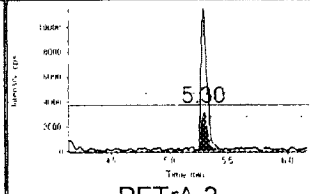
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



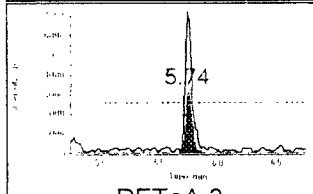
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 1.0ppb	**Injection Vial**	4
Acquisition Date	2/8/2010 6:37:56 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85C	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.33 (1.36)	13C-PFOA	2783400	140010	1.000	1.070	107	No
PFNA 1	2.31 (2.42)	13C-PFNA	2203300	240150	1.000	0.975	98	No
PFOS 1	2.34 (2.53)	13C-PFOS	6650300	740480	1.000	1.060	106	No
PFDA 1	3.32 (3.34)	13C-PFDA	2119100	222700	1.000	1.020	102	No
PFUnA 1	4.12 (4.06)	13C-PFUnA	155180	178520	1.000	1.200	120	No
PFDS 1	4.12 (4.10)	13C-PFOS	6650300	800030	1.000	1.040	104	No
PFDoA 1	4.75 (4.63)	13C-PFDoA	234070	129680	1.000	0.985	99	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	234070	86772	1.000	1.020	102	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	234070	58420	1.000	0.928	93	No

✓

2/11/10
EFS
2/14/10

IRC Summary

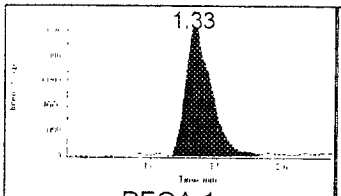
Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.35 (1.36)	331790	No	2.37
S_13C_PFOA	1.31 (1.36)	2783400	No	19.88
PFNA 2	2.28 (2.44)	72566	No	0.30
S_13C_PFNA	2.27 (2.44)	2203300	No	9.17
PFOS 2	2.30 (2.53)	228880	No	0.31
S_13C-PFOS	2.31 (2.53)	6650300	No	8.98
PFDA 2	3.31 (3.34)	29896	No	0.13
S_13C-PFDA	3.32 (3.34)	2119100	No	9.52
PFUnA 2	4.13 (4.06)	41151	No	0.23
S_13C-PFUnA	4.11 (4.06)	155180	No	0.87
PFDS 2	4.12 (4.10)	253850	No	0.32
PFDoA 2	4.75 (4.64)	42524	No	0.33
S_13C-PFDoA	4.75 (4.64)	234070	No	1.80
PFTrA 2	5.31 (5.13)	29476	No	0.34
PFTeA 2	5.75 (5.56)	19065	No	0.33

Columbia Analytical Services

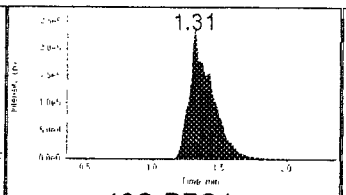
Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Quantitative Peak Review

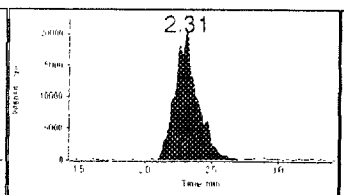
PFC 1.0ppb



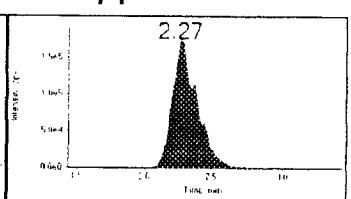
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



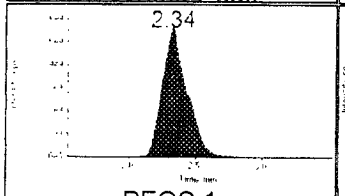
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



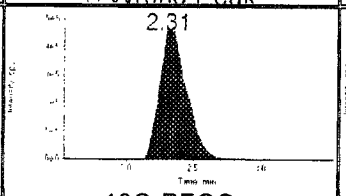
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



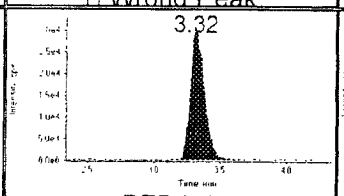
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



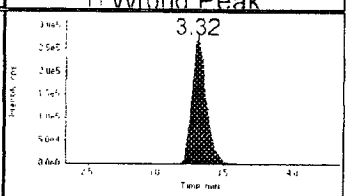
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



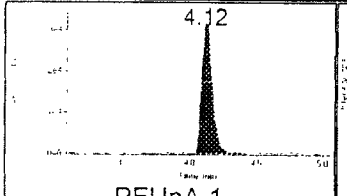
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



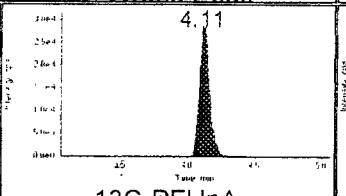
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



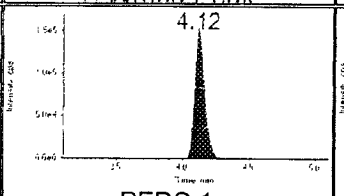
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



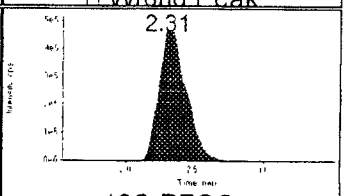
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



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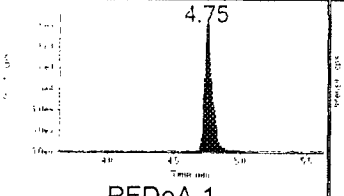
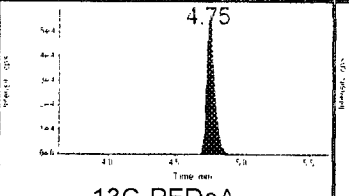
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
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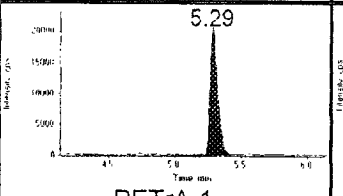
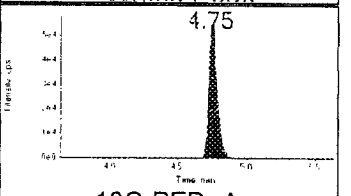
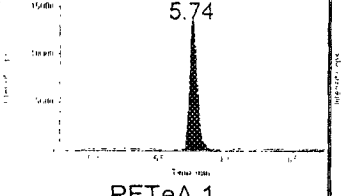
☐ Wrong Peak



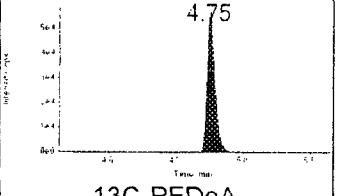
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



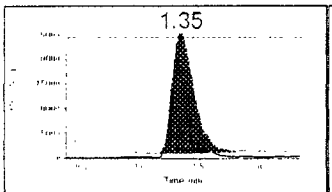
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

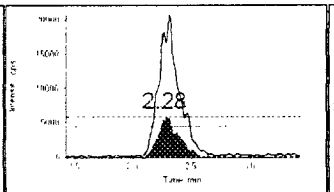
Columbia Analytical Services

Ion Ratio Confirmation

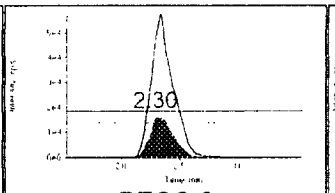
PFC 1.0ppb



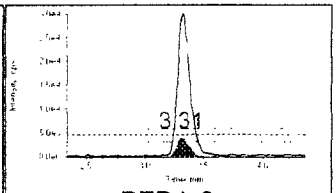
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



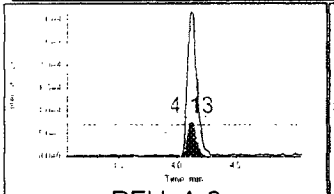
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



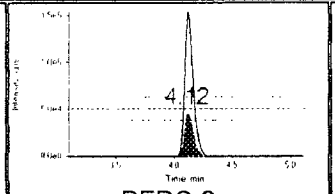
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



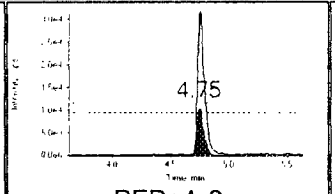
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



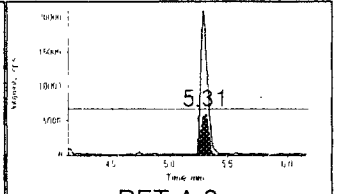
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



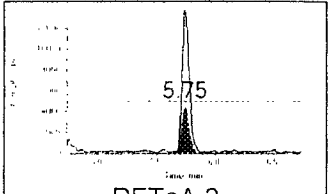
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 5.0ppb	**Injection Vial**	5
Acquisition Date	2/8/2010 6:45:29 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85D	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.39 (1.36)	13C-PFOA	2766100	651680	5.000	4.880	98	No
PFNA 1	2.30 (2.42)	13C-PFNA	2154600	1218400	5.000	4.960	99	No
PFOS 1	2.36 (2.53)	13C-PFOS	6761100	3709300	5.000	5.160	103	No
PFDA 1	3.34 (3.34)	13C-PFDA	2111500	1041800	5.000	4.700	94	No
PFUnA 1	4.12 (4.06)	13C-PFUnA	172740	848100	5.000	5.190	104	No
PFDS 1	4.13 (4.10)	13C-PFOS	6761100	3957300	5.000	5.060	101	No
PFDoA 1	4.76 (4.63)	13C-PFDoA	199680	578950	5.000	5.300	106	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	199680	408680	5.000	5.780	116	No
PFTeA 1	5.76 (5.74)	13C-PFDoA	199680	278340	5.000	5.190	104	No

✓

2/16/10

2/16/10